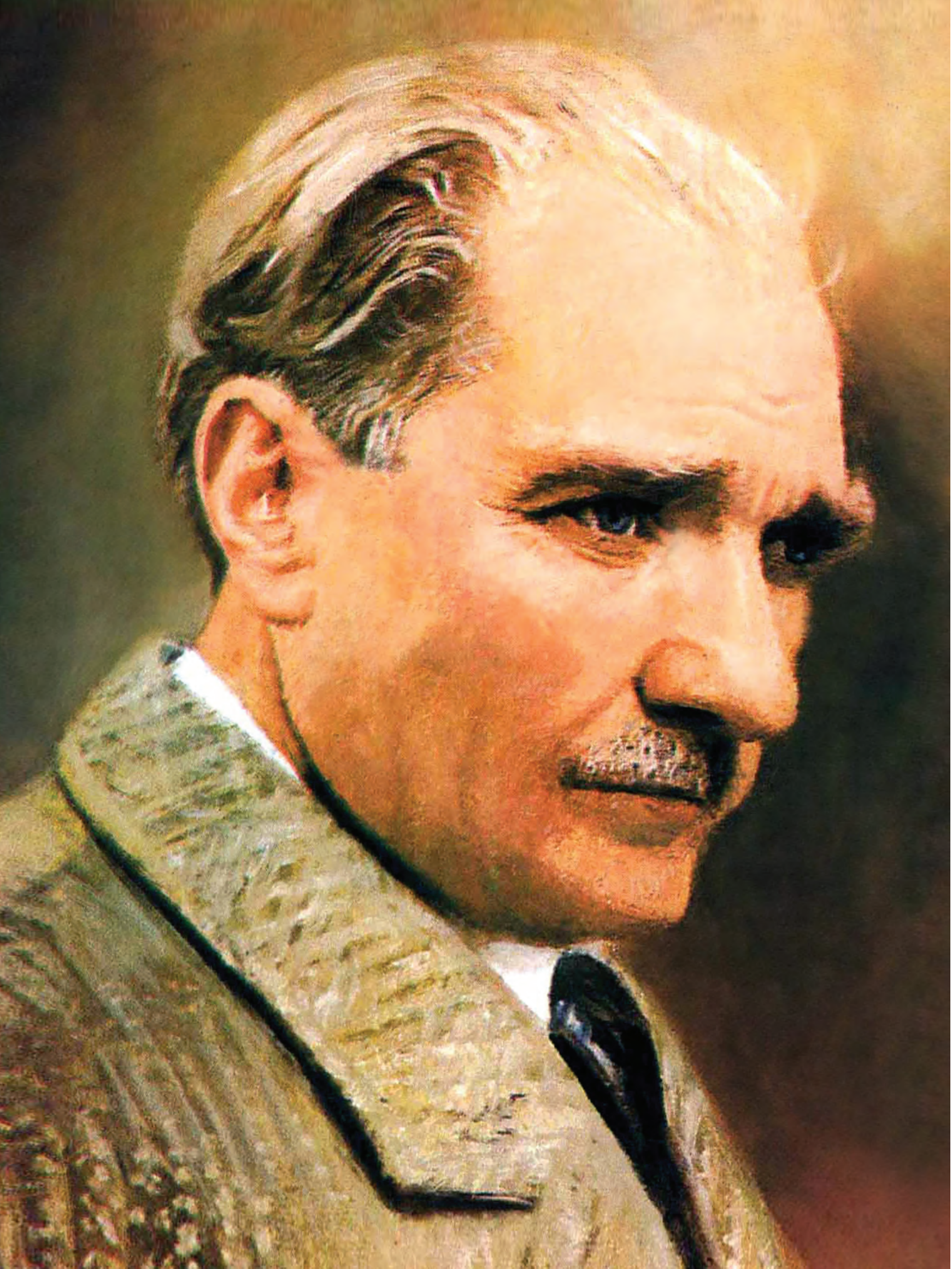


2014

TÜRK LOYDU
ANNUAL REPORT





We get strenght from civilization, science and technology.

H. Otatürk





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TÜRK LOYDU FOUNDATION BOARD OF DIRECTORS

Chairman

Mustafa ZORLU

Deputy Chairman

Bülent ALNIAÇIK

Members

Celal ÇİÇEK

Halim METE

Nuri UYGUR

Alper KAYA

İsmail Cengiz ÜNLÜ

Mehmet Atilla OKSAY

Mehmet KALKAVAN

TÜRK LOYDU FOUNDATION ECONOMIC ENTERPRISE EXECUTIVE BOARD

Chairman

Mustafa ZORLU

Deputy Chairman

Nuri UYGUR

(26.04.2013 - 01.03.2014)

Bülent ALNIAÇIK

(from 01.03.2014)

Members

Mehmet Atilla OKSAY

Salim ÖZPAK

İsmail Cengiz ÜNLÜ

(26.04.2013 - 01.03.2014)

VISION

Becoming the most preferred international classification society and certification body that powered by its own rules and knowledge as well as expertise

MISSION

To provide conformity assessment services in the field of safety of life, property and the environment in accordance with our principles.

PRINCIPLES

Independence and impartiality,
Honesty and reliability,
Continuous improvement,
Generating and sharing of knowledge,
Customer focused and qualified service,
Esteem for its personnel.

TL QUALITY POLICY

The Management of TL is committed to the following subjects together with its employees;

- Maintaining independence, impartiality, confidentiality and reliability,
- Ensuring safety of life, property and environment of all stakeholders by delivering services in accordance with national and international rules, standards and the requirements specified by the customer,
- Maintain its high rank performance as a recognized organization within the scope of international conventions and as a result of port state controls carried out for safety of life and property,
- Complying with "TL Code of Ethics",
- Continual improvement of process effectiveness to meet quality system requirements, customer expectations and needs, and for this means, monitoring of the processes by key performance indicators,
- Training and qualification of personnel in accordance with assigned work,
- Receiving customer feedbacks to meet their expectations and needs , responding to these efficiently and quickly, while using the information for improvement of provided services,
- Ensuring that the provided services are equally accessible to all customers

TL ENVIRONMENTAL POLICY

The Management of TL together with its employees is committed to the following subjects;

- Evaluate environmental impacts which may be generated in its conformity assessment activities and minimize the adverse affects,
- Prompt its stakeholders to protect the environment with the rules it develops and the conformity assessment services it performs,
- Make contribution to the prevention of environmental pollution by disseminating environmental protection consciousness,
- Comply with all applicable legal requirements and the standards related to environment,
- Continually improve its environmental performance.

TL OCCUPATIONAL HEALTH AND SAFETY POLICY

The Management of TL is committed to the following subjects;

- Protecting safety of life and property, when conducting its services and activities,
- Complying with the applicable legal requirements and regulations related to OH&S,
- Providing healthy and safe environment to prevent illness and injuries
- Effective identification of hazards and minimizing risks,
- Provide OH&S trainings to personnel,
- Ensuring safe work places are provided to its personnel and customers are requested in this respect,
- Authorizing its personnel to reject working at unhealthy and unsafe sites,
- Consistently keeping OH&S awareness of its personnel on high level,
- Improves OH&S processes and performance continually,
- Providing required resources for OH&S of its personnel.



Mustafa Zorlu

Chairman



Türk Loydu has continued its activities successfully in 2014 despite recession continuing in maritime industry.

When an evaluation is carried out for year 2014, our activities may be evaluated under two main headings. One of these activities relates our existing business potential, and we see that highly significantly increased our activities in industrial field and diversified range of our services. It obtains a growth exceeding 20% through an increase in variety of services, activity methods compatible to competition conditions and customer-oriented approaches.

Given our services for maritime industry, we may say that we have reached our goals especially depending on classification of military ships despite crisis experienced in the industry.

Our organization develops permanently through its experience, background and specialized staff. We may state that one of ways to measure quality of activities implemented by the classification societies like us is number of detentions of vessel fleets classified by these societies. According to Paris MoU statistics, our classification society maintains its high performance position. When we look at our grading in the 2014 Performance List, we see that we are currently in upper grade than some IACS member classification societies. Reaching this achievement with relatively an older fleet is undoubtedly an important indicator to increase the quality level. Based on these indicators, we may say easily that, although Türk Loydu is not an IACS member yet, its service quality is equivalent to one of the IACS member classification societies.

Our organization continues to implement any turnkey examination and certification services of the industrial facilities in line with its activities in industrial sector. If it is necessary to state some of a large number of our projects, third party inspection service for steel construction of 3rd Bosphorus bridge, one of most important investments in our country, is implemented by Türk Loydu on behalf of the Ministry of Transport, Maritime Affairs and Communications. Inspection service of steel construction of the Besiktas Stadium, our other significant project, was started in 2014 and will continue in 2015.

On other hand, we have cooperated with SCPC, a Slovak company, specialized in its field under the Regulation on Prevention of Major Industrial

Accidents and Reduction of Their Effects known as "SEVESO regulation" in the EU, and have begun the risk assessment, due diligence and training services in the sector. "European Agreement for the International Carriage of Dangerous Goods by Road-ADR" which brings a series of enforcements, training and certification obligations for companies rendering packaging, filling, transportation and unloading services for transporting of dangerous goods and for companies manufacturing tanker, container, portable pressure vessels will be completely in force on 1st January 2014 in Turkey. Türk Loydu, according to the agreement signed on 26th December 2013 with Republic of Turkey, Ministry of Transportation, Maritime and Communications to perform training and certification activities for the aforementioned situation, will perform the approval, certification and inspection services for tank containers used for carriage of dangerous goods (excluding all kinds of vehicle mounted tank, pressure vessel and equipment, tank railway cars, non metal ones and bottle gas tankers), portable pressure vessels and containers with bulk load that are within CSC Convention scope from 1st January 2014 in industrial sector.

Since any national notified body is not appointed yet by the EU Commission under the Portable Pressure Equipment (TPED) regulation (2010/35/EU) in our country in addition to authorization taken under the convention on transport of hazardous materials by road, under an agreement to be entered into with an organization, which gets an authorization as a Notified Body from the EU, any compatibility assessment services shall be begun for arrangement of Pi(π) mark for all products including onboard tanks in addition to the products specified above since 2015. Furthermore, our organization maintains any training activities (General Awareness, Function Specific Training and Refreshment Trainings) for employees, who works in any industries such as port operation, logistic, transportation, chemistry, warehousing, LNG, petro-chemistry, in capacity of the "Authorized Training Organization" since 2011 under the "International Maritime Dangerous Goods (IMDG Code)." Moreover, our organization also arranges any trainings for transport of hazardous materials

for organizations and authorities, which requires any trainings such as "ADR General Awareness," "Information About International Convention (CSC) on Safe Containers," "Loading Safety on Roads," "Information About Transport of Class 1 Explosive Substances (ADR/IMDG Code/RID)," "Transport of Class 7 Radioactive Substances (ADR/IMDG Code/RID)," etc.

As known, our organization put signature to significant achievements on classification of naval ships in the scope of Maritime Industry activities our organization, which serves as a classification society in New Type Patrol Boat (YTKB) Tank Landing Ship (LST), Tank Landing Craft (LCT), Submarine Rescue Ship (MOSHIP), Fleet Replenishment Ship, Rescue Towing Ship (KURYED) projects and Seismic Research Vessel (MTA TURKUVAZ) project, which managed by our Undersecretariat of Defense Industry, also has taken place in the ARES HERCULES projects manufactured for overseas navies.



Furthermore, as result of the services managed by us in the specified projects, our organization has conducted certification of the products in wide range of (from main engine to windlass and from piping system components to steering gear) manufac-tured by most local and foreign companies for these vessels. I want to state that any positive feedbacks obtained as a result of experience as we get in military vessel construction field make us happy.

In this scope, we are proud to take place as a classification society in new projects.

Our activities are completed for the Logistic Support Ship to be constructed at the Selah Shipyard and for MILGEM vessel project to be managed by STM A.S. company, and brought to the signature stage.

We expect signature of these projects in early 2015.

In addition to efforts mentioned above, I want to state that we have made an effort significantly to take place as a classification society in the LPD project to be constructed at the Sedef Shipyard, and have completed any necessary arrangements to take place in this project.

We note that global maritime crisis and difficult competition conditions cause any organizations like us to merge in a global scale or to establish

cooperation. Thus, the organizations combine their strengths and come to a favorable position.

One of Türk Loydu's such important and new projects is that Türk Loydu enters into a cooperation agreement with RINA, one of founder members of IACS, class 2 tugboats to be constructed by Med Marine as double classes. Inspections of the tugboat projects began in later 2014. I think that these tugboats to be classified commonly with RINA lead to common activities of both organizations in the future. Thus, both organizations shall not only share their knowledge and experience, but also ensure that both organizations take place more efficiently. The model that I state above draws attention, and we notice that the relevant applications continue. I want to state that, as a result of these activities, I took a significant step on classification of large vessels as double classes in first months of 2015.

As known, we participate in the meetings of the International Maritime Organization (IMO), Naval Ship Classification Association (NSCA) and International Naval Safety Association (INSA) and inform our industry.

Our activities also continue in 2015, and the industry kept informed with summary meeting reports for IMO meetings.



In last years, the rule development process, which is adapted to the IACS requirements are being applied systematically. In this scope, Revisions in the IACS Unified Requirements and Interpretations are reflected in time and completely to our guidelines and published twice yearly. Furthermore, two new Rules applicable for small vessels are developed depending on feedbacks from the industry and legal arrangements, and will be published in first half of 2015.

In the process, when we began to serve as board in the Türk Loydu Foundation, we give importance our relationship with our customers. Since we believe that listening to our customers shall increase our quality, we endeavored to gather frequently to establish a better contact with our sector stakeholders by evaluating any opportunities that we got.

We participated in the SMM Hamburg Fair and submitted a presentation for purpose of recognizing internationally in both industrial and maritime sectors. We take care to gather both with the Undersecretariat of Ministry of Transport, Maritime Affairs and Communications and our Undersecretariat of Defense Industry. Second main headings of our activities in 2014 are steps taken in relation to legal status of our organization and companies founded by us. In 2014, Türk Loydu obtained a status of incorporated company discussed for long years, but not launched.

The company to be established shall enable Türk Loydu to get rid of drawbacks experienced as a Commercial Enterprise. After Türk Loydu A.S. begins to operate, our organization shall become a fast competitive organization in the industry.

Its new legal status shall recover our organization from any statutory arrangements, which may affect any future activities of our organization adversely, and also from any problems determined during IACS and EMSA determinations. Although TL-Teknopark ARGE Ltd. still being founded was one of our significant projects in 2014, this company may enable preparation of R&D required by our organization and software to contribute to the industry more cost effectively and with more skilled labor.





OPA-90
OIL SPILL
EQUIPMENT
TANK
RESQUE EQ-T

CARGO
FIRE

The company founded in Istanbul Teknopark shall support to decrease Türk Loydu's costs significantly. The company shall continue any R&D activities of our organizations and the industries as we serve as an institutional structure. This company shall manage the software infrastructure required by Türk Loydu more cost-effectively and enable Türk Loydu to have the same software as similar IACS organizations in next few years.

Türk Loydu company founded in Istanbul Teknopark shall have an experience on this matter by utilizing any Santez, Tubitak and EU projects. I want to emphasize that the company must aim at being an R&D organization not only in the body of Teknopark, but also outside Teknopark in long term. Türk Loydu, which aims at operating in international area as well these activities, begin its activities to establish a company in Azerbaijan, shall complete foundation activities of this company in first quarter of 2015. Undoubtedly, in countries, where we speak in same language and which look at us warmly, the company that are suitable to the statutory arrangements of these countries shall be most convenient starting points for us to expand overseas.

I want to state that a recovery begins in our sector within 2015 and the fact that any expectations not encountered 2014 are encountered in 2015 is critical for our sector. I expect that dynamism in field of Military Ships shall occur in commercial ship construction field in 2015. In this scope, upon completion of the activities related to replacement of our coaster fleet, maritime shipping, which competes better, shall create a job opportunity for our shipyards and ship subsidiary industry. Consequently, it is clear that replacement of the coaster fleet shall create a job opportunity both for our shipyards and vessel subsidiary industry. Here, I also want to state that we shall make contribution as Türk Loydu at each stage of the process.

Undoubtedly, such activities shall activate any silent dynamics in ship construction and sub-industry. They shall make contribution to domestic production. If a suitable model that all parties of the sector shall win is created, our country shall get the better of this with incentives.



I. Ilker Karpuz
 Head of
 Marine Industry Division

As in recent years, Türk Loydu exhibited a successful performance in 2014 with regards to PSC inspection results of the vessels in its fleet. When the results of PSC inspection in whole world in 2014 are reviewed, it is seen that inspection and retention ratios of the vessels in Türk Loydu's fleet reduced. The vessels in Türk Loydu's fleet was subject to the PSC inspection 449 times in world wide in 2014. Number of inspections reduced by 20% compared to 2013. Reason of this reduction is that the vessels in Türk Loydu's fleet are evaluated as vessels with a lower risk. As a result of the inspections, 41 detentions occurred. There is no class related detention.

According to the performance table of Classification Societies published by Paris MoU in the middle of 2014 in the light of this information and containing the years 2011 to 2013, Türk Loydu passes behind some IACS member classification societies and maintains its position "High Performance" as in last 8 years.





Furthermore, the documents are certified and any on-site survey services are implemented first time in the scope of the Marine Warranty Survey activities. In this scope, transfer procedures of 2 North and South caissons Kaytazdere Dry Dock is carried out under surveillance of Türk Loydu in construction of Izmit Gulf passage bridge. Transfer procedures of 4 Steel shafts from Tuzla TGE to Yalova Wet Dock are carried out under surveillance of Türk Loydu. Survey services of submersion works of the Caissons in the determined coordinates, transfer procedures of girders between Steel Shafts and transfer procedures of 44 piers blocks are carried out under surveillance of Türk Loydu.



FOREIGN RELATIONS

- Port State inspections

Recognized Organization performance table (2011 – 2013)

Recognized Organization		Inspections	Detentions	Low/ medium limit	Medium/high limit	Excess Factor	Performance level
Lloyd's Register	LR	11,405	30	253	203	-1.89	High
American Bureau of Shipping	ABS	5,323	4	124	89	-1.89	
Det Norske Veritas	DNV	10,382	9	232	184	-1.88	
China Classification Society	CCS	746	-	22	8	-1.83	
Nippon Kaiji Kyokai	NKK	5,584	18	151	112	-1.65	
Registro Italiano Navale	RINA	2,895	7	71	45	-1.63	
Bureau Veritas	BV	11,217	35	249	199	-1.63	
Germanischer Lloyd	GL	12,850	45	284	230	-1.59	
Korean Register of Shipping	KRS	825	1	24	9	-1.58	
Russian Maritime Register of Shipping	RMRS	4,338	18	102	71	-1.43	
Turkish Lloyd	TL	933	3	28	11	-1.19	
Polish Register of Shipping	PRS	513	3	16	5	-0.43	

Table 2: Performance Table of Paris MoU

Port State records of the vessels in Türk Loydu's fleet are evaluated according to various criteria, and a Target Vessel System is applied to predetermine any possible problems to occur in the port state inspections. The Target Vessel System and Non-Scheduled Survey application conducted within this scope also continued in 2014, and thus ensures that any problems are determined and eliminated without any problem occurred during PSC inspections of these vessels.

Trainings are provided by Türk Loydu personnel on responsibility of the Classification Societies in the scope of PSC officer authorization trainings arranged by the Ministry of Transport, Maritime Affairs and Communications of Turkey in line with close cooperation with the Ministry of Transport, Maritime Affairs and Communications of Turkey.

AZERBAIJAN

Türk Loydu management obtained an authority to establish a company in Azerbaijan at the Extraordinary General Assembly gathered on 18th September, 2014.

PALAU

On 2nd April 2014, Türk Loydu was authorized by the Palau International Ship Registry on a case-by-case basis to conduct a survey and issue a certificate on behalf of the Flag State. Our communication with the Flag state continues to convert this authority to full authority.

Activities Related to Obtain IACS QSCS Certificate

For purpose of obtaining IACS QSCS certificate the inspections conducted in 2013, Türk Loydu Foundation entered into an agreement with Alpha Marine Consulting L.T.D. and began to get a consultancy service in 2014 for any inspection to be carried out by BSI in July 2015.

We discussed with RINA on Mutual Cooperation

Meetings started by RINA and Türk Loydu in February 2014 on mutual cooperation possibilities. They were concluded within the year, and firstly a double class bid for 2 tugboats to be constructed by MED MARINE company was prepared and submitted to the company. This bid was found suitable by MED MARINE and the agreements were signed by both parties.





INTERNATIONAL ACTIVITIES

- 08.04.2014 – EQUASIS Meeting – Four Seasons Hotel, Sultanahmet
- 09.04.2014 – visits of EQUASIS representatives to Türk Loydu's Head Office.

EQUASIS Council of Editors met in Istanbul.

24th EQUASIS Council of Editors Meeting was arranged and hosted by Türk Loydu in the Four Season Hotel, Sultanahmet, Istanbul on 8th April, 2014. Representatives of 13 organizations including the European Maritime Shipping Agency (EMSA), Paris MoU, IACS, INTERCARGO, CDI, IPTA and Türk Loydu participated in the meeting. During the meeting lasting 1 day, the decisions were made on improvement of contents of the EQUASIS system.

EQUASIS founded under the leadership of the European Union Commission in 1997 for purpose of submitting any reliable information serve as a data bank that the leading organizations of international maritime industry shall contribute to. The Council of Editors that Türk Loydu, our national classification society, is a member as a data supplier since 2010 meets twice yearly. Among members of the council met first in Istanbul, IMO takes place as a data supplier together with Paris MoU

An official council consisting of employees of the European Maritime Safety Agency (EMSA), which takes office in the EQUASIS Management unit, also gathers with representatives of the Ministry of Transport, Maritime Affairs and Communications at an acquaintance meeting during their meetings in Istanbul. EMSA agents and Türk Loydu executives including Mr. Cemalettin Seveli, General Manager of Seas and Inland Waters Arrangement Division and council accompanied by him and especially Mr. Georgios Christofi, officer of Marine Environment and Port State Inspections of the European Maritime Shipping Agency participated in a meeting conducted Head Office of Türk Loydu located in Tuzla, Istanbul. During the meeting, any information is given to introduce the EQUASIS system, they require introduction of Turkey to the EQUASIS Supervisory Committee.

EQUASIS is an organization, which provides the Maritime sector with any information through the mission for Maritime Safety and Environmental Protection. In the EQUASIS system, Ones, who enroll in the system, are provided freely with any information such as ship owners and operators of over one hundred thousand ships, surveys and certificates, port state inspections, flags, call sign, etc. There are over thirty thousand visitors, who visit the website daily and use any mobile applications. Turkey, which one of the countries that use mostly the EQUASIS system recently, was second country, which uses mostly, in 2012 and 2013. Any researches may be conducted on a vessel and company basis in the EQUASIS system, which provides any reliable and high quality information.

06.05.2014 – WMU – MALMO – Presentation to Lecturers and Students

An international student group, who studies master degree in field of Maritime Safety and Environmental Administration (MSEA) in the World Maritime University (WMU) established by the International Maritime Organization (IMO), one of the specialized organizations of the United Nations (IMO), in Malmö, Sweden, visited our organization in the accompaniment of lecturers and representatives of the Ministry of Transport, Maritime Affairs and Communications on Tuesday, 6th May, 2014, and a detailed presentation was performed to the students about our organization and maritime activities in Turkey.

OTHER ACTIVITIES

The trainings, which introduce the “Classification Term and Classification Societies” and Türk Loydu, were given to the students of I.T.U. Maritime Faculty on 3rd, 4th and 6th November, 2014, to the students of Gaziantep ZIRVE University on 15.11.2014 and to the students, who are members of Maritime Club of Dokuz Eylul University, on 19.12.2014.

On 13.06.2014, Mr. Ozgur USTUNER, Chairman of Alumni Association of I.T.U. Ship Construction and Marine Sciences Faculty (ITUGIMDER), and the board members of the association visited our organization and presented a plaque to Mr. Mustafa Zorlu, Board Chairman.

SHIPS CONSTRUCTED RECENTLY UNDER TÜRK LOYDU CLASS

In 2014, a classification agreement was entered into for totally 13 miscellaneous civil-purpose ships built recently: 3 tugboats, 8 passenger ships, 6 Ro-Ro passenger ships to operate in inland waters, 2 rescue boats, 2 crew boats, 1 selfelevating unit and 1 split barge.

Classification is made for 2 passenger ships, 1 tugboat, 2 pontoons, 2 barges and 2 draggers to be built in 2014. Furthermore, in 2014, a conversion agreement is made for 17 ships, whether classed or nonclassed. One ship was completed.

The classification surveys of 16 New Type Patrol Boats to be built at the Dearsan Shipyard for the Undersecretariat of Defense Industry (SSM) are almost completed. In this scope, 4 ships were completed and delivered in 2014. Sea Trials of the last vessel is almost completed as of end 2014.

2 LSTs (Landing Ship Tank/Amphibian Landing Ship) is under construction at the Anadolu Shipyard.

1 Submarine Rescue Ship (MOSHIP), 2 Rescue and Towing Ships (KURYED) and 1 Seismic Research Ship is still under construction at the Istanbul Shipyard.

7th and 8th out of 10 Patrol Boats to be built abroad, for which an agreement entered into force, were





completed and delivered in 2014. A construction agreement entered into force for 1 HSV (Hydrographic Search Vessel), 1 naval tugboat and 6x 33m patrol boats to be built in the same country, and their construction still continues

A Project is signed with the Selah Shipyard for 2 LDGs to be built for the Undersecretariat of Defense Industry (SSM).

In 2014, agreements were entered into force with the Ares Shipyard operating in Antalya for the following projects:

- 2x 24m Aluminum SAT Boats for the Turkish Naval Forces;

- 3x Aluminum Patrol Boats for the Coast Guard of Turkish Republic of North Cyprus;
- 5x 23m FRP patrol boats for the Qatar Coast Guard;
- 10x 33m FRP patrol boats for the Qatar Coast Guard; and
- 2x 46m FRP patrol boats for the Qatar Coast Guard.

MATERIAL, PRODUCT AND COMPANY CERTIFICATION

In almost all of any domestic products possible to be used in in the projects implemented in the Türk Loydu class, a Type Approval Certification is conducted and a wide range of products is obtained. In worldwide known brands of primary products manufactured abroad, Type Approval Certifications are conducted and significant developments are obtained to supply any products more cost-effectively under the Türk Loydu class. Certification of suppliers of components of these products is extended increasingly with our solution-oriented understanding in international markets without sacrificing quality and safety. 20% increase is obtained in product types with Türk Loydu certificate of the companies while 10% increase is obtained in number of companies having a Type Approval Certificate. In line with these developments, turnover of the Material and Product Certification Unit increased by 12% in 2014.

For any Service Providers certified by Türk Loydu, certification procedure is conducted and number of activity areas in increased from 4 to 7. In these activity areas, 54 Service Providers certified by Türk Loydu.

Although share of yachts and recreational crafts decreases from time to time in the market of Yachts and Recreational Crafts, where global crisis effects still persist, number of any special-purpose boats such as patrol boats, craft boats, service boats, etc. increase. In this context, although fairly large number of classification agreements were entered into force in 2014, as a Notified Body, Türk Loydu entered into 14 certification agreements by an increase of 20% and also new construction agreements for 6 passenger boats and 22 personal type boats in 2014 under the Regulation on Recreational Crafts.

A software is developed at the Directorate of Information Technologies to perform any material and product certification activities more efficient and faster and increase service quality and is currently at test stage. It shall be started to use in first months of 2015.

SHIPS IN SERVICE

Transfer of 43 different vessels was realized from other classification societies in 2014.

- Türk Loydu Ships in service Marine Warranty Survey;

In construction of the Izmit Gulf passage bridge:

- 1- 2 North and South caissons Kaytazdere Dry Dock is carried out under surveillance of Türk Loydu;
- 2- Transfer procedures of 4 Steel shafts from Tuzla TGE to Yalova Wet Dock are carried out under surveillance of Türk Loydu;
- 3- Survey services of submersion works of the Caissons in the Determined Coordinate;
- 4- Transfer procedures of girders between Steel Shafts; and
- 5- Transfer procedures of 44 Piers blocks.

INFORMATION TECHNOLOGY PROJECTS

Software Projects Developed together with the Marine Industry Division and Directorate of Information Technologies in 2014

- Material and Product Certification Survey Monitoring Software

MAPS software is developed to monitor the Material and Product Certification processes. With this software, any survey monitoring processes such as surveyor appointment, qualification control, survey reporting, inconvenience monitoring and online check list, etc. may be managed and monitored completely.

SVEP - TÜRK LOYDU SURVEYOR QUALIFICATION AND TRAINING SCHEDULE

40 training sessions were conducted for Türk Loydu surveyors under the SVEP-Türk Loydu Surveyor Qualification and Training Schedule within 2014. Total term of the training sessions is 66 days, and a partition of totally 480 men x day is obtained.





The Maritime Labour Convention (MLC) Training was arranged in 2014; the MLC 2006 auditor training was arranged on 27th and 28th March, 2014; the DPA training for ISM Code was arranged on 23rd and 24th January, 2014, 20th and 21st March, 2014, 22nd and 23rd May, 2014, 26th and 27th June, 2014, 17th and 18th July, 2014, 16th and 17th October, 2014, 27th and 28th November 2014, and 18th and 19th December, 2014; and the FRP Marine Application training was arranged on 2nd to 4th July, 2014.

The training on Workers' Health and Occupational Safety – Access to Indoor Spaces was arranged for the site personnel in September 2014.

Furthermore, the training on Requirements of OHSAS 18001 Workers' Health and Occupational Safety Management System and ISO 14001 Environmental Management Systems and Operation Manual was arranged for all our personnel.

The trainings were arranged with contribution of Alpha Marine Consulting Ltd for Türk Loydu surveyor on "Automation," "Surveys of High Speed Craft," and "Surveys of Passenger Ships" respectively on 3rd to 5th November, 2014, on 10th to 12th, November, 2014, and on 17th to 19th November 2014.

Also, two trainings were arranged with contribution of Alpha Marine Consulting Ltd on TMSA General Information and TMSA-Oil Majors Perspective respectively on 18th and 19th September, 2014 and on 30th September, 2014. Both Türk Loydu surveyors and the leading tanker operators in Turkey participated in these trainings.



Bülent Duran

Head of
Plan Control and Research Division

Mr. Duran manages activities such as approval of hull, machinery and electrical equipment and stability calculations of ships under supervision of Türk Loydu, approval of plans for lifting appliances, approval of plans for multi-point mooring systems for tankers, performance of compliance check of inventory of hazardous materials and issue of a statement of compliance, verification of EEDI technical file within the scope of IEEC, performance of vibration analysis of propulsion systems, development of Türk Loydu Rules and Guidelines, management of research and development activities, following of international meetings, preparation of preliminary meeting reports and informing the sector, examination of documents and performing risk assessments within the scope of the Marine Warranty Survey.

When we review the ship building industry, we see that the outstanding projects for Türk Loydu are recent projects managed by the Undersecretariat of Defense Industry.





A nationalization model encouraged by the Undersecretariat of Defense Industry has been proven successful, and most of our national organizations and especially Türk Loydu obtain experience and prestige. The naval ships are the Tank Landing Ship (LST) and Tank Landing Craft (LCT) built at the ADIK Shipyard and the Submarine Rescue and Towing Ships (MOSHIP and KURYED) built at the Istanbul Shipyard, each one of which are a special type ship, also built and outfitted with our national resources. Success of this model is that it is applied for some special-purpose non-naval vessels, and for instance, in this scope, the Seismic Vessel Project is managed by the Undersecretariat for Defence Industries.

In this respect, export of naval ships built by Dearsan and Ares shipyards has become successful examples for the sector.

These activities performed under the leadership of the Undersecretariat for Defense Industry contribute positively from design organizations in the ship industry of our country to our shipyards, from our sub-industry to our engineers and increase our self-confidence. Further, in the global crisis that we experience and that affect the ship industry, they give our shipyards a possibility to breathe.

To have experts and qualified personnel in each field of the industry, and employment opportunities are other pleasing factors.

Although they are still new activities, the nationalization efforts give highly considerable results. Especially, dormant dynamics of ship sub-industry are activated, and some organizations, which manufacture products in the industrial sector, have begun to manufacture products for naval ship sub-industry. Türk Loydu, which encounters these companies especially during our type approval

activities, ensures that the products comply with standard codes or regulations and certifies the products.

The products manufactured in accordance with the international and national guidelines and our classification rules become the sub-industry sources not only for naval ship sub-industry but also for our commercial ships.

In this context, in addition to drawings and documents of Tank Landing Ship (LST), Submarine Rescue Ship (MOSHIP), Fleet Replenishment Ship (DIMDEG), Submarine Rescue and Towing Ship (KURYED) project and Seismic Research Ship (MTA TURKUAZ) project, which is managed by Undersecretariat for Defense Industry, appraisal of drawings and documents as part of the product certification of products (from main engine to windlass, from piping to steering gear) manufactured by local and foreign companies for these ships have been performed within 2014.

Although it expands its activity network in accordance with requirements of the sector, our organization put signature to new projects. One of the important and new project of TL is the sign of a cooperation agreement with RINA, one of the founder members of IACS, for the newbuilding of two double class tugboats to be built by Med Marine. Plan Approval of the projects has been started.

Inputs during rule development process can be listed as IACS requirements, IMO guidelines, national and international standards, national and international publications, national and international conferences, academic publications, articles and theses. Furthermore, feedbacks from the on-site applications.

In 2014, both commercial and naval ship rules were revised, the classification rules-of special-purpose ships (patrol

boats) were prepared for publication, and the Rules for Vessels Less than 500 GRT were mostly completed and intended to be published in first half of 2015.

The rule development and updating activity is a continuous process. In this context, as Türk Loydu, we join majority of the meetings of the International Maritime Organization (IMO) on matters involving our rules, prepare preliminary and final meeting reports and inform our sector.

Furthermore, standards and regulations defined in our system are monitored periodically and incorporated to our rules prior to their effective dates.



NEW TYPE PATROL BOATS – YTKB



Further 4 of the total 16 boats, which are built by the Dearsan Shipyard for the Navy and shall perform reconnaissance, surveillance, patrol and antisubmarine warfare duties in areas close to base, port approach waters and coasts, were completed in 2014, and it is intended that 16th boat shall be delivered in 2015. Through the project that local contribution reached 70%, our country takes place among numbered export countries under the leadership of the Dearsan Shipyard on patrol ships having a major share of the world market within its duties and functions.

SUBMARINE RESCUE MOTHER SHIP



One Submarine Rescue Mother Ship is built under our class by the Istanbul Shipyard and under management of the Undersecretariat for Defense Industry. The ship is intended to render service to supply crew life support and to conduct crew rescue operations maximum up to 600 m depth and to rescue damaged malfunctioned ships and to carry out operation in case that submarine is not able to emerge to surface. The ship is intended to perform following function in addition to those stated above. Underwater operations like repair, wreck removal and offshore towing to be performed by means of diver, ROV (Remotely Operated Vehicle) and ADS (Atmospheric Diving Suit), Plan approval and survey control are ongoing."

RESCUE AND TOWING SHIP - KURYED



Rescue and Towing Ship, which are designed to rescue and tow ships and fire fighting on ships and shall be equipped by any modern rescue systems such as remote control underwater vehicle, atmospheric immersion suits, submarine ventilation system and pressure room, shall perform any submarine repair and debris removal activities. KURYED is designed by SEFT similar to MOSHIP, and built by Istanbul Shipyard.

SEISMIC SHIP-TURKUAZ



Through two and three dimensional seismic research capacity, the Seismic Ship, which is a multi-purpose research ship that is built by the Istanbul Shipyard upon request of the General Directorate of Mineral Research and Exploration (MTA) may perform other scientific activities as well as seismic researches, may perform sampling studies in order to realize research studies in other scientific fields as geophysical, geological, geotechnical, bathymetrical, oceanographic, hydroacoustic research and earthquakes, general geology, applied geology, environmental geology and earth sciences. The ship which shall be the first ship with such capabilities in Turkey, will be launched in 2015.

ARES BOATS



Türk Loydu-ARES cooperation, which is started with classification of 10x 13m SAGET Patrol Boats built by the ARES Shipyard that builds composite, steel and aluminum boats used to protect commercial ships against piracy in some African countries such as Qatar, Tanzania, Nigeria, etc. and United Arab Emirates (BAE) for the Turkish Coast Guard Command, continues with the project of 6x 18m patrol boats built for the Bahrain Coast Guard and the project of 8x 18m composite catamaran passenger boats built for Qatar. In 2014, Türk Loydu entered into a classification agreement for totally 17 patrol boats as 5x 23m (ARES 75 HERCULES), 10x 33m (ARES 110 HERCULES) and 2x 46m (ARES 150 HERCULES) to be built from advanced composite material for the Qatar Coast Guard as well as 2x 23m SAT boats to be built from high strength aluminum alloy by the ARES Shipyard. All of the boats, preliminary design activities of which are started, shall be classified according to Türk Loydu Rules on High Speed Craft. It is intended that 2x SAT 80 patrol boats, construction of which shall be started in first year of 2015, shall be delivered in first months of 2016. It is intended that the construction period of 17 patrol boats to be built for the Qatar Coast Guard is totally 16 months. Construction of 3x 13m Patrol Boats to be built for the Coast Guard of Turkish Republic of North Cyprus was started in 2014, and it is intended that they shall be delivered in 2015.

LST PROJECT (TANK LANDING SHIP)

An amphibious ship is designed that shall contribute to the administrative and logistic duties and functions of the Navy and in peace periods, may be used in any noncombatant operation duties such as international support, natural disaster aid, humanitarian aid and evacuation operation.

In a project of 2 vessels contracted with the ADIK Shipyard in later 2013, plan control and survey inspections of the block construction, and certification process of materials and equipment are continued.



FLEET REPLENISHMENT SHIP – DIMDEG



As first stage of the supply of the Fleet Replenishment Ship, the concept design activity is granted by the Undersecretariat of Defense Industry to STM company for purposes of carrying out fuel oil and water replenishment works of the naval troops including helicopter fuel quickly by the underway replenishment method based on requirements of the Navy, meeting fuel oil replenishment and water requirements of the combat units in regions close to the operation area and conducting any replenishment works of the fuel oil tanks and any fuel oil transfer works between tanks. In 2014, Türk Loydu accomplished its undertakings on the concept design activities for the project contracted with STM company within 2013.

LOGISTIC SUPPORT SHIP (LDG)

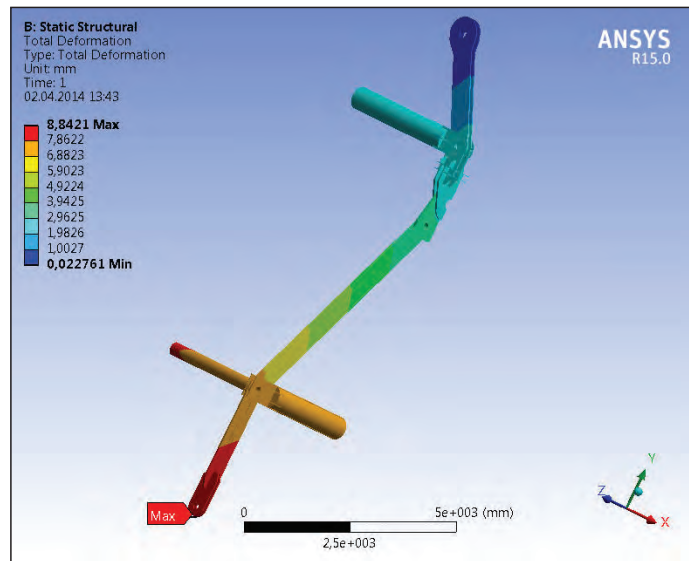
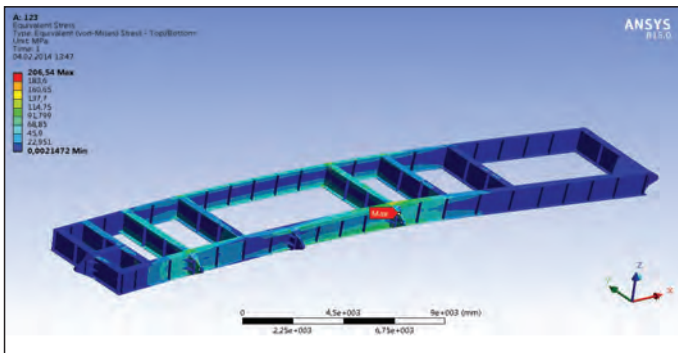
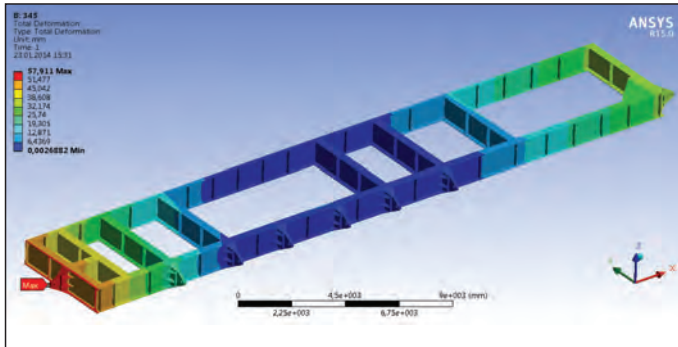
Main goal of the Logistic Support Ship Project is to supply two fuel oil ships having a capacity to meet the requirements of the Navy. For a project of 2 ships, the classification agreements were entered

into between the Undersecretariat of Defense Industry (SSM) and Selah Shipyard in November 2014, and between Türk Loydu and Selah Shipyard in December 2014, and a plan approval process was started by Türk Loydu.



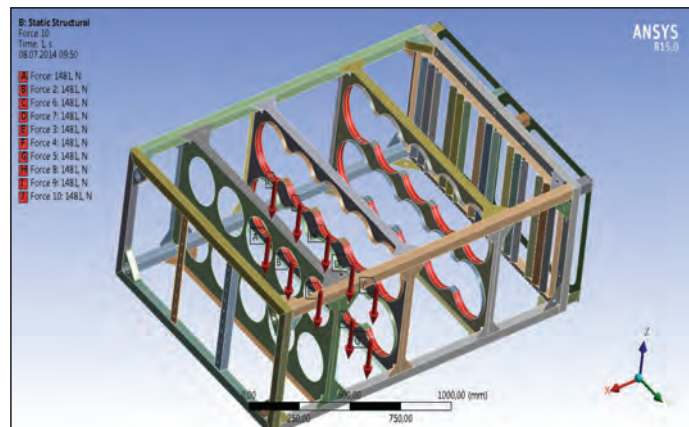
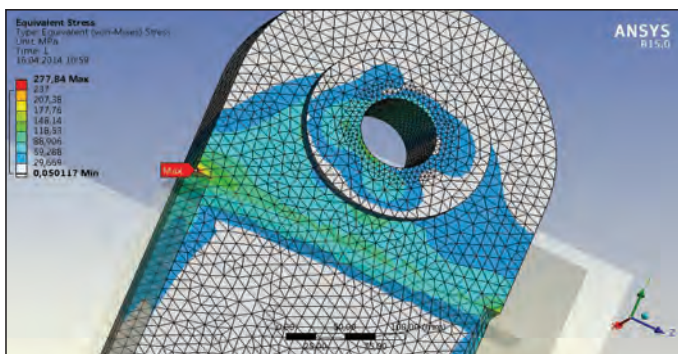
PROJECTS APPROVED BY FEM METHOD

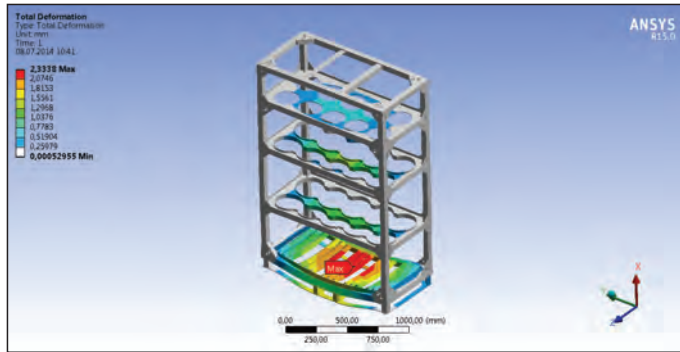
200 Ton Ship Lifting Frame Analysis



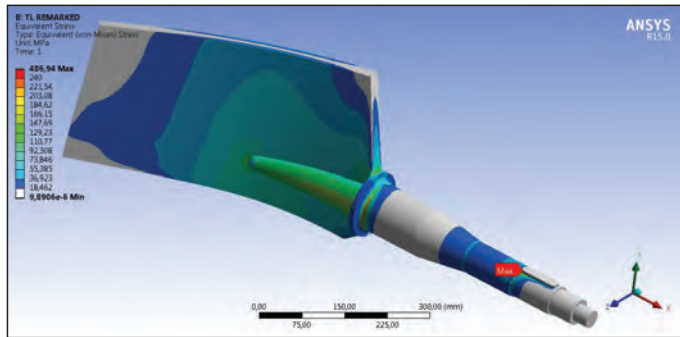
MOSHIP HeO₂ Mixed Gas System Lifting Equipment

izmit Bay Bridge Lifting Frame Analysis





ARES 42 Rudder Analysis



MARINE WARRANTY SURVEY

Pursuant to the agreement between Türk Loydu and STFA, lifting and replacement operations of a connection part weighing 850 tonnes anchorage between İzmit Bay Bridge Lifting Frames by a floating crane are surveyed and the relevant plans are approved in the scope of MWS and installation operations are completed.

Pursuant to the agreement entered into between Türk Loydu and STFA, transport and replacement operations of components of İzmit Bay Bridge Lifting Frame on the hanger and barge are inspected and the relevant projects are approved in the scope of MWS and installation operations are completed.

Examples of the products certified by Türk Loydu in 2014;



TTK Tugboat NB 16 / Geta Shipyard
Gearbox of Propulsion System



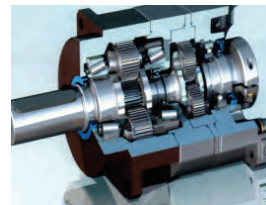
TCDD 1 - 2 Double End Ferries / Nursoy Shipyard
Y - WIN Rudder Propeller Units For Main Propulsion
SCHOTTEL STP 1212 FP



Tugboat / Dearsan Shipyard
Rudder Propeller Units For Main Propulsion
SCHOTTEL STP 550 FP



Tank Landing Ship / Adik Shipyard
Gearbox of Main Propulsion System



Planet Gearbox
PDS Planet Gear Systems Ltd.
Type PDA 117 - S3 S164,2
H160
 $i = 164,2:1$



Passenger Ships NB 43 - 46 / Ozata Shipyard
Rudder Propeller Units For Main Propulsion
Veth Propulsion BV

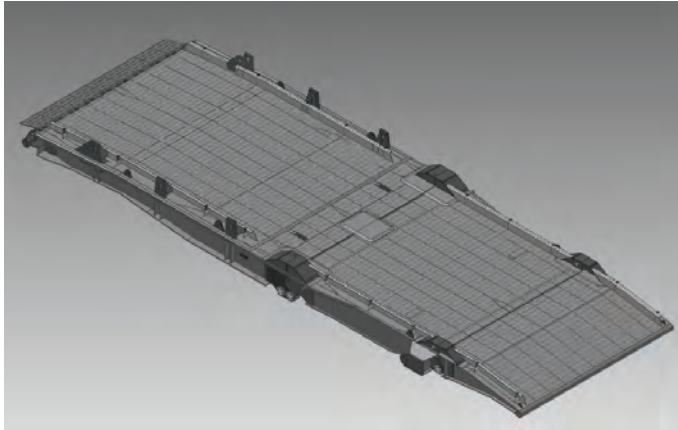


Rescue and Towing Ship / Istanbul Shipyard
High Speed Rescue Boat Davit
Gurdesan Gemi Makinalari San. Ve Tic. A.S. GD-HBMA 35/5.0 - PG A Davit



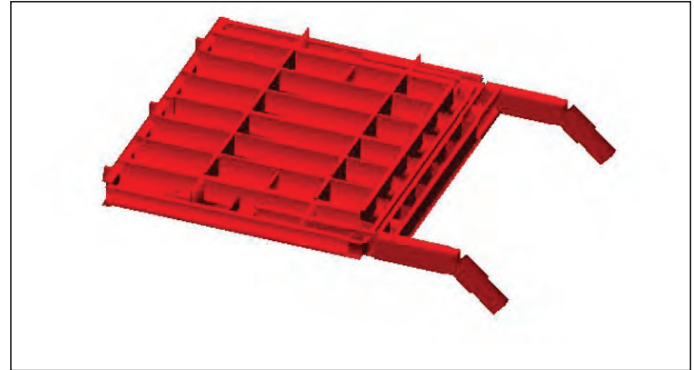
Rescue and Towing Ship / Istanbul Shipyard
Hydraulic Telescopic Deck Crane
Gurdesan Gemi Makinalari San. Ve Tic. A.S.
GD-TSK-200/18 K

RO-RO Equipment for LST NB 231 – 232 / Adik Shipyard
MacGregor Sweden



Side Ramp/Door

The side ramp is placed at the level of covered vehicle deck on the port side of the vessel. It serves as a bridge in boarding and landing of heavy vehicles from the port to the vessel or vice versa.



Bow Ramp/Door

Starboard and Port ramp are operated by hydraulic cylinders. Ramp leaves is designed in accordance with the bow form and secured by hydraulically activated hooks and interlock pins in a closed position.

Leaves are equipped by special rubber seals to provide watertightness on contact surfaces.

Bow ramp consists of 3 main components, and fixed by means of hinges. It has a compact structure in a closed position.

First main component is also equipped by special rubber seals, and contact surfaces are modified as an additional watertight door. Thus, it serves as a bridge between coast or other vessels for heavy vehicles including 60 ton fully equipped battle tanks.

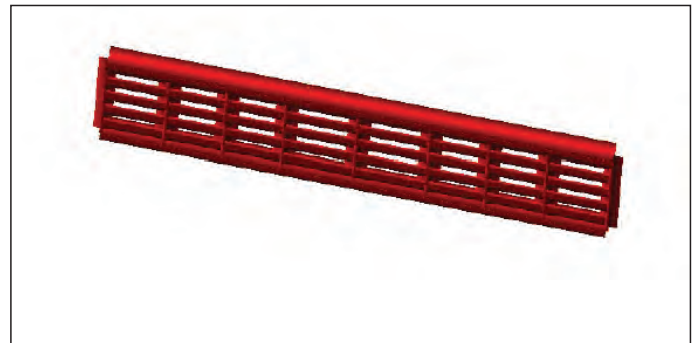
Stern Ramp/Door

The stern ramp consists of 2 main parts and flap operated by hydraulic cylinders. When it is closed, first part is sealed. The stern ramp may be lowered to serve as a bridge between coast or other vessels for heavy vehicles including 60 ton fully equipped battle tanks.

Length of the ramp is 10.14m, and width and height are 5X5m.

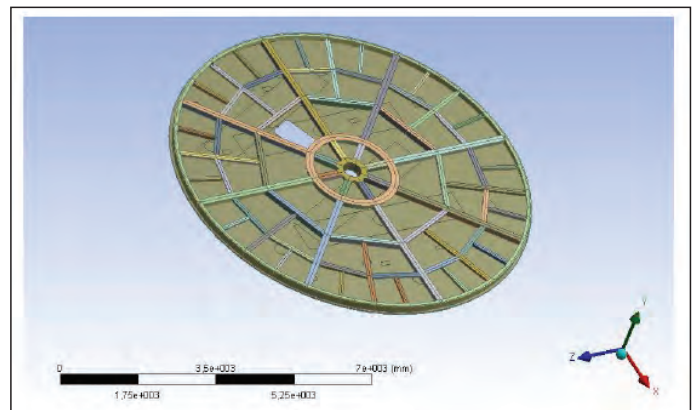
Movable Deck Ramp

The movable deck ramp is in turn a structural part of LST main deck. Its loading capacity is the same as the remaining part of the deck.

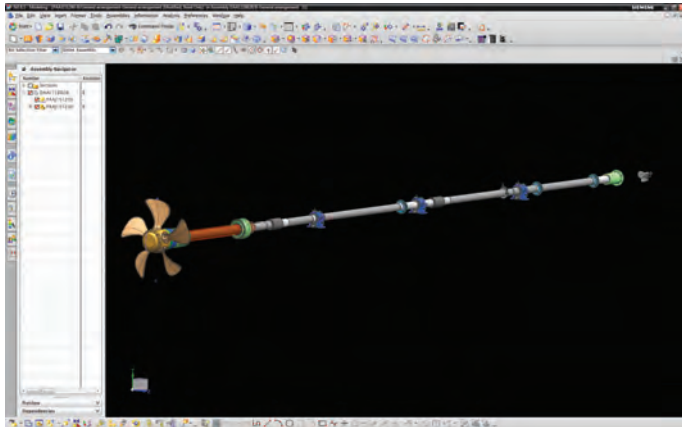


Rotary Table

The rotary table is placed near the aisle of the bow ramp. This facilitates maneuver of the heavy vehicles. The rotary table is controlled by means of 2 hydraulic engines and tampered sun gearbox.



LST Shaft Model



INSA (International Naval Safety Association)

Also, in 2014, Türk Loydu has continued to participate in the meetings arranged by INSA. INSA, which maintains the rule development activities for naval ships, intend to complete the Naval Ship Code-ANEP 77 as well as Submarine Code in next years. The goal based rules intend to maintain the necessary minimum safety levels such as life and property safety in sea, sea and environmental protection under similar conditions as commercial ships in peace time operation of the naval ships.

The goal-based guidelines allow designing a series of alternatives to achieve the final safety goal compared to the current guidelines. Furthermore, this code emphasizes importance of maintaining their certification conditions according to the classification rules during their lifespan as well as the vessels are designed and classified in accordance with the guidelines.

Türk Loydu participates in the workgroups established to develop this code.

Annual General INSA Meeting 2014

General board of the International Naval Ship Association (AGM) gathered in Stockholm, Sweden's capital, on 21st to 22nd October.

H. A. Fransbergen from the Dutch navy managed the meetings of INSA's Executive Board.

At the meetings, it is intended that any critical changes are also made in the code in accordance

with the goal-based rules. It is important that the Naval Ship Code is discussed as a reliable example in IMO.

At the annual general assembly, it is resolved that the "Naval Ship" and "Submarine Ship" codes are transmitted to NATO to update and issue the codes by NATO as ANEP (Allied Naval Engineering Publication) and ANEP 77 in 2015.

Türk Loydu takes place in INSA workgroups for Fire Safety, Escape and Evacuation Systems and Stability.

The Executive Committee consists of Dutch (Chairman), Norwegian, Lloyd Register and Türk representatives in 2014.

Main rules of Türk Loydu are updated twice in a year in accordance with changes in IACS, IMO requirements and international standards and feedbacks from the sector.

Rules Published in Turkish

In 2014, the following rules were published in Turkish:

Ch. 9 – Construction and Classification of Yachts

Ch.19 – Inland / Waterway Vessels

Ch. 27 – Construction and Classification of Wooden Passenger Vessels Less than 24m in Length

Rules Published in English

In 2014, the following rules were published in English:

Classification and Surveys

Ch.1 – Hull

Ch.2 – Material

Ch.3 – Welding

Ch.4 – Machinery

Ch.4-1 – Automation

Ch.5 – Electrical Installations

Ch.7 – High Speed Craft

Ch.25 – Machinery Condition Monitoring

Ch.53 – Submersibles

Ch.101 – Naval Ship Technology, Classification and Surveys

Ch.102 – Naval Ship Technology, Hull Structures and Ship Equipment

Ch.104 –Naval Ship Technology, Propulsion Plants
Ch.105–Naval Ship Technology, Electrical Installations
Ch.106 –Naval Ship, Technology, Automation
Ch.107 –Naval Ship, Technology Ship Operation Installations and Auxiliary Systems

Updated Rules

In 2014, the following listed rules are updated:

Ch.10 – Liquefied Gas Tankers
Ch.11 – Fire Fighting Ships
Ch.76 –Environmental Service Systems
Ch.111 –Naval Ship Technology, Submarines

Published Additional Rules

In 2014, the following listed additional rules are updated:

- Tentative Rules for Polyethylene Crafts
- Construction, Fitting and Testing of Closed Fuel Overflow Systems
- Unified Interpretations for Life Saving Appliances
- Implementation MARPOL Annex VI and NO_x Technical Code
- Type Testing procedure for Crankcase explosion Relief Valves
- Seating of Propulsion Plant

Published Guidelines

In 2014, the following guidelines are published:

- Guidelines for Laid-Up Vessels.
- Guide for Certification of Private Recruitment and Placement Service Providers
- Design, Test and Approval of Fixed Fire Extinguishing Systems other than CO₂ installed on Yachts

Published Technical Circulars

Totally 3 technical circulars are published on Retrospective Applications and Other Subjects.

Rules, Update/Development activities of which are pending

Ch.3 – The activities for development of Welding Rules were started in 2013, and it is intended that these rules revision shall be published in 2015.

The activities for development of Ch.4-1 Automation rules were started in 2013, and it is intended that these rules shall be published early in 2015.

The activities for development of Tentative Rules for Classification of Special Crafts Patrol Boats were started in 2013. It is intended that the rules shall be completed and published in first half of 2015.

Development of the Offshore Service Vessel Rules were started in 2014, and it is intended that the rules shall be completed and published in 2015.

It is intended that the Tentative Rules for Ships Less than 500 GRT (for ships not covered by the scope of Tentative Rules for the Classification of Special Craft) shall be completed and published in first half of 2015.

Published Newsletters

In 2014, 10 newsletters were published to announce Rule Development Activities in the sector.

In 2014, evaluation process of the panel tests and test results were completed and the specified R&D activity was finalized.

Participation in National and International Meetings such as IMO, etc. and Announcement of the Meeting Reports

Türk Loydu continues its active participation to IMO meetings and in 2014 has participated to restructured sub-committees PPR 1, SDC 1, SSE1 and CCC 1 and committees MEPC 66, MSC 93, MEPC 67 and MSC 94. Moreover for development of guidelines process on the scope of “EU Regulation on Ship Recycling” has participated to meeting and correspondence group organized by EU Commission and has started to work for implementation.

Türk Loydu has informed marine industry by “newsletter” and “IMO summary report” taking into account amendments of International regulations and has provided an opinion in order to ensure compliance on national regulation studies. Also safety of vessels classed by Türk Loydu and environmental protection subjects have implemented at the highest level by amendments of Türk Loydu Rules.

IMO has intended to increase safety of life by

development of “Goal Based New Construction Standards” rules in recent years, mandatory loading instrument requirements for all tankers, plan and procedure for recovery of persons from the water and enclosed space entry and rescue drills.

IMO has provided to reduce air pollution from global maritime fleet and global warming by decreasing emission limits in global and emission control areas and development of energy efficiency regulations. Moreover, although not yet entered into force due to could not satisfying acceptance criteria, developed Ballast Water Management Convention and Ship Recycling Convention regulations and related guidelines are important steps taken by IMO to protect environment and human health.





Ayfer Adıgüzel
Head of
Industry and Certification Division

Growth of Türk Loydu in for inspection and certification in industrial sector has increased by 22% compared to the previous year while economic growth occurred 2.2%, 4% and 3% in 2012, 2013 and 2014 respectively in our country. Thus, we achieved the highest level of all years with regards to the conformity assessment services delivered in the industrial sector in 2014.

Türk Loydu, which increases variety of products in conformity assessment services permanently, expanded and maintained its range of services in 2014 as well. The basic reason behind this success is to deliver high quality, reliable and value added services.





The basic factor of creating this difference is that our specialists are trained permanently to improve their skills. Türk Loydu gives importance to training of its employees, and this takes an important place in annual budget. On other hand, any feedbacks from our customers provide us with fairly important data in improving our processes and increasing our competition power.

Our goals are to expand our service network more in line with our range of products and to become a force in our country and region.

In 2014, we added new project to the inspection of industrial products, steel structures and outstanding projects at power and industrial plants. These projects include especially 3rd Bhosporus Bridge, Besiktas Stadium, Sivas Arena Stadium, Basaksehir Stadium, steel construction fabrication, installation and third party inspection services of North Approach Viaduct of Izmit Bay Bridge and third party inspection services of Kargi Kizilirmak Hydropower Plant.

Besides conformity assessment of over 1000 pressure vessels and boilers project approval and manufacturing inspections of 2x100 tons MHC cranes having the greatest capacity in our country manufactured in Italy for TCDD Izmir Port Administration have been completed and certified.

We started TÜRKAK accredited certification services by adding ISO 27001 Information Security Management System standard to our range of services.

On other hand, we have cooperated with SCPC, a Slovak company, specialized in its field under the Regulation on Prevention of Major Industrial Accidents and Reduction of Their Effects known as "SEVESO regulation," which has

become effectively gradually on 01.01.2014 in the EU, and have begun the risk assessment, due diligence and training services in the sector.

Our goal is to conduct any necessary due diligences at the industrial plants to ensure life, property and environmental safety in accordance with our mission goal. Furthermore, we shall begin to serve since 2015 in cooperation with the Notified Body authorized by the EU in addition to the product certification authorization given by the Ministry of Transport, Maritime Affairs and Communications to us under TPED regulation and EU Treaty for "Transport of Dangerous Goods by Road" known as ADR legislation. On other hand, upon our authorization as a training organization, we have arranged any trainings for Dangerous Goods Safety Consultants and trained over 100 people up to now. Through these trainings, we contribute the industrial plants manufacturing any products in terms of life, property and environmental protection. Our goals are to reach wider customer mass by extending these services in our country and a region basis and to contribute the export goal of 500 billion USD of our company for 2023 in our country. Thus, I emphasize significance of conformity assessment on economic growth of our country, and repeat our belief to reach this mission as a National Conformity Assessment Organization with your trust as our valuable customers.

Best regards,



STEEL CONSTRUCTION FABRICATION INSPECTIONS

- Mall of Istanbul Project

The Mall of Istanbul project built on a land of 123 decares in Istanbul-Ikitelli has a construction area of 762 thousand square meters, and consists of a mall, a 4-block housing complex, a theme park, office and hotel divisions.

In this project, totally 14,500 ton steel is manufactured, and inspection of manufacturing and installation of steel construction manufactured by four subcontractors at five plants is carried out by Türk Loydu surveyors in accordance with the steel construction technical specification and EN 1090-2 standard, class EXC3.

Prior to manufacturing, the Inspection and Testing Plan (ITP) is adapted to the project, and during the steel manufacturing and installation process, who shall conduct which inspection activity based on which document and which standard and when such inspection activity shall be conducted are recorded and considered during inspection activities.

Steel manufacturing inspection activities of the project were completed in 2013, and its steel installation inspection activities of the project were completed in May 2014.

- Basakşehir Stadium Project

The Basakşehir Stadium built by the Istanbul Metropolitan Municipality is founded on an area of 160,000m² and have a capacity of 18,500 spectators.

In this project, totally 14,500 ton steel is manufactured, and inspection of manufacturing and installation of steel construction is carried out by Türk Loydu surveyors in accordance with the steel construction technical specification and EN 1090-2 standard, class EXC3.

Prior to manufacturing, the Inspection and Testing Plan (ITP) is adapted to the project, and during the steel manufacturing and installation process, who shall conduct which inspection activity based on which document and which standard and when such inspection activity shall be conducted are

recorded and considered during inspection activities.

The site installation activities were completed in April 2014.

- 3rd Bosphorus Bridge Project

Inspection of the steel deck of the bridge was completed in 2014. Of totally 59 deck to be manufactured, D00E and D00A deck are transferred to the site as first deck slabs at Asian and European sides. Manufacturing of other deck is continued.


Fabrication, plate cutting-U-Rib bending and T-Bar prefabrication works are continued in 3 different locations, where final fabrication and paint procedures of the deck slabs are conducted.

The deck carrying cable system shall be design as hybrid type (Cable Stay + Suspension.)

The deck width of the bridge having highway and railway lines (2x4 highways lanes + 2x1 railway line) is 58.5m, and shall be one of hybrid bridges having the widest deck.







It is intended that the deck construction and site installation activities shall be completed and the bridge shall be put into service on 29th October, 2015.

- Besiktas Stadium Project

The Besiktas Stadium built by TOKI has a capacity of 42,000 spectators.

Türk Loydu applies its experience and specialty in the stadium projects to third party manufacturing and installation inspection service of "Besiktas Arena Stadium," which is a stadium having first rope tension membrane stadium in Turkey.

The stadium roof consists of 1500 ton steel construction. The steel composite has a rope tension membrane roof system consisting 42 steel pressure rings and ropes set on the seismic isolators on the 84 columns.

The steel construction is manufactured according to EN 1090-2 standard, class EXC3 at 2 different manufacturing plants, and the rope systems are manufactured in a different location. Pursuant to the agreement signed with IZ Insaat Madencilik San. ve Tic. A.S. company as a subcontractor on 24.11.2014, prefabrication, construction and installation inspection of the project, which shall last 8 months, are conducted Türk Loydu's specialized engineers, and at the end of the project, a manufacturing inspection certificate shall be issued for the steel construction.

Prior to manufacturing, the Inspection and Testing Plan (ITP) is adapted to the project, and during the steel manufacturing and installation process, who shall conduct which inspection activity based on which document and which standard and when such inspection activity shall be conducted are recorded and considered during inspection activities.

- ASF Antakya Museum Hotel Project

According to the project, second Museum-Hotel complex of the world consisting 250 rooms shall be constructed opposite of Hatay St. Pierre Church. In this project, totally 14,000 ton steel is manufactured, and inspection of manufacturing and



installation of steel construction is carried out by Türk Loydu surveyors in accordance with the steel construction technical specification and EN 1090-2 standard, class EXC3.

Prior to manufacturing, the Inspection and Testing Plan (ITP) is adapted to the project, and during the steel manufacturing and installation process, who shall conduct which inspection activity based on which document and which standard and when such inspection activity shall be conducted are recorded and considered during inspection activities.

The project was continued in 2014, the steel manufacturing and installation activities are still continued. It is intended that the steel manufacturing activity shall be completed in May 2015 and the site installation activities shall be continued until August 2015.

- Torun Center Project

Torun Center is constructed on the land of the Ali Sami Yen Stadium located in Istanbul-Mecidiyekoy. It consists of three towers as one tower has offices and two towers have residences. Weight of steel manufactured is 2,000 tons.

Torun Tower is built in Istanbul, Esentepe, and consists of an office building. Weight of steel manufactured is 400 tons.

Manufacturing of the structural steel construction of the project was started in July 2013. The project is carried out by Türk Loydu surveyors in accordance with the steel construction technical specification and EN 1090-2 standard, class EXC3.

It is intended that the project shall be completed in June 2015.

- Sivas Arena Stadium Project

The Sivas Arena Stadium built by TOKI is founded on an area of 300,000m² and have a capacity of 25,000 spectators.

In this project, totally 3,500 ton steel is manufactured, and inspection of manufacturing and installation of steel construction is carried out by Türk Loydu surveyors in accordance with the steel construction technical specification and EN 1090-2 standard, class EXC3.

Prior to manufacturing, the Inspection and Testing Plan (ITP) is adapted to the project, and during the steel manufacturing and installation process, who shall conduct which inspection activity based on which document and which standard and when such inspection activity shall be conducted are recorded and considered during inspection activities.

In the project started on 01.04.2014, steel manufacturing and site installation activities are continued. It is intended that the site installation activities shall be completed in June 2015.

- Izmit Bay Bridge, North Approach Viaduct Project
Manufacturing inspection activities of the steel part of the viaduct, where the vehicles coming in Istanbul direction shall pass over before they enter the bridge were started in November 2013.

For the manufacturing and installation inspections, EN 1090-2 standard, class EXC4 is selected. Prior to manufacturing, the Inspection and Testing Plan (ITP) is adapted to the project, and during the steel manufacturing and installation process, who shall conduct which inspection activity based on which document and which standard and when such inspection activity shall be conducted are recorded and considered during inspection activities.

Weight of steel to be manufactured in the project is 5,000 tons.

Manufacturing activities of the project were completed in September 2014. It is intended that the site activities shall be completed until June 2015.

- GAP Construction ZIN2 Hospital Project

The project is located on Older Iktisat Bank in Sisli/Esentepe-Zincirlikuyu on Buyukdere Street. In the project, complete land area is 2400m². The seating area of the building is approximately 1000m². In the project, the building has a reinforced concrete area of 300 to 350m² and a steel construction composite flooring area of 650 to 700m².

The structure consists of 6 basements + one ground floor + one ground suspended floor + 22 normal floors + one penthouse + one Helicopter aerodrome. Approximate structural steel weight is 1190Kg. In the building, the columns consist of Arcelor Histar HD 460 profiles, the girders consist of Arcelor HEB 400/ 450 profiles, and the beams consist of IPE 400/450 profiles. In the building, anchorage works and inspections were started in February 2014, and structural steel installation works were started on 07.04.2014. It is intended that rough construction of the building shall be completed in May 2015, and all operations shall be in October 2015.

POWER & INDUSTRIAL PLANT INSPECTION

- Gubretaş Gubre Fabrikalari T.A.S., Npk Plant and Ammonia Tank Inspection

With new NPK plant and a double walled NH₃ storage tank having a capacity of 40,000m³ to have been built by Gubretas Gubre Fabrikalari T.A.S. to Umde Muhendislik Müteahhitlik Ticaret Ltd. Sti, they began to serve as a third party inspector for plant prefabrication and installation works including ground and construction works. The NPK plant was completed in October 2014, and in the ammonia tank, the process is continued in the scope of the project. In this outstanding project, technical information is given as follows:

Capacity of the NPK plant: 500,000 ton/year

Capacity of ammonia tank: 40,000 m³

Project investment price: 59 million Euros

- Iskenderun Demir Celik A.S., Power Plants, Turbo Bellows No.2- 40 Atm Steam Line Replacement Project

In the scope of the revision project of turbo bellows- 40 atm steam lines of the Power Plants of Iskenderun Demir Celik A.S. company, any third party inspection services are given for evaluation of the relevant projects and isometric drawings, inspection of piping manufacturing and erection stages, and compatibility evaluation. The project was finished in December 2014.





In this project, technical information is given as follows:

Piping weight: 500 tons
 Operation temperature: 450°C
 Operation: 40 ATM
 Project investment price: 1 million Euros

- Statkraft Kargi Kizilirmak Dam Project

In the scope of the Kargi Kizilirmak Dam Project invested by Statkraft and located in Corum, any third party inspection services are given for inspection of piping and installation stages of pressure lines and compatibility evaluation.

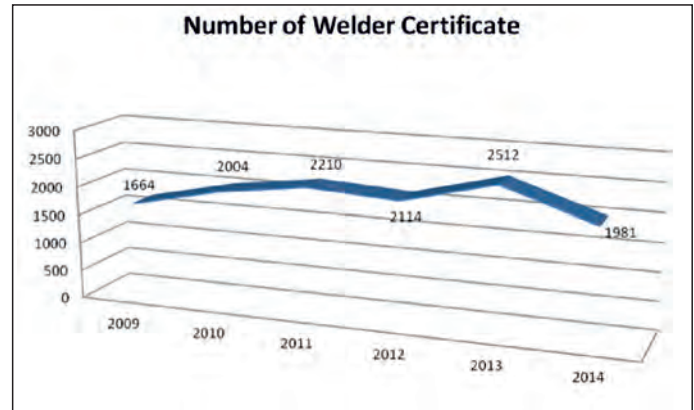
In this outstanding project, technical information is given as follows:

Capacity: 102 MW
 Project investment price: 60 million Euros

WELDER CERTIFICATION

With its dynamic structure, Türk Loydu meet today's requirements in accordance with the developed standards and codes. In this context, Türk Loydu serves in industries such as pressure vessel, steel construction, power plants, etc.

Türk Loydu implemented service of totally 1981 welder certifications in 2014. Distribution of these certifications for last Distribution of these certifications for last five years is indicated in the chart below.



CERTIFICATION OF BOILERS AND PRESSURE VESSELS

An increase of 40% in certification of new pressure vessels and boilers in 2014 has been achieved regarding the previous years.

Steam boilers, steam generators, hot oil boilers LPG tanks, LNG tanks, compressor air tanks, steam sterilizers, LPG tubes, LPG auto gas tanks, hyperbaric pressure rooms, valves, heat exchangers, autoclaves were the products in CE marking certified by Türk Loydu acc. to 97/23/EC and 2009/105/EC directives.

Türk Loydu has performed CE marking services of 1086 pcs. of pressure equipment with several capacities and types in 2014.

LIFTING EQUIPMENT

Türk Loydu has performed product certification of 3 units of Mobile Harbour Cranes (MHC) manufactured by Italgru SRL for TCDD İzmir Port.

Certification process was executed through design appraisal, manufacturing inspections and performance tests acc. to TCDD technical specification and related international technical standards.

With their capacity of 100 tons of SWL those MHCs' are amongst the biggest ones in the field of port machinery in Turkey.

Within 2014, 2 units of floating dock cranes with a capacity of 15 tons manufactured by İSKAR MÜHENDİSLİK MAKİNE TAAHHÜT SAN. VE TİC. LTD. ŞTİ. have been certificated by Türk Loydu with executing of design approval, manufacturing inspections and performance tests acc. to Türk Loydu rules, related international standards and technical specifications of Turkish Navy.

FIRE PROTECTION SYSTEMS

Fire Protection System approvals have been made for several industrial plants such as Pulp&Paper plants, LPG storage terminals, archive room, IT rooms, hyperbaric chambers. System approvals consists of design examination and hydraulic calculation checks, installation inspections and function tests. Some references in 2014 in this field are MKB Ambalaj, Aygaz A.Ş., Hipertek.

In addition to these, fire protection system of fuel storage tanks of BOTAŞ Dörtyol Terminal function tests have been performed acc. to the NFPA standards and customer's specifications.

All conformity assessment facilities in fire protection system approvals are based on acc. to the national directive and related NFPA, EN standards.

Previous inspection works in the field of fire protection have been progressed in 2014 for Mercedes Benz Türk A.Ş. and Hilton Hotels in Ankara and İzmir.

STORAGE TANKS

Türk Loydu performs design approvals and manufacturing inspections of atmospheric storage tanks acc. to API 650 standard.

Below mentioned facilities are the main stages that are executed by Türk Loydu while a certification of a storage tank is subject to approval;

- Examination and approval of design and strength calculations
- Welders' qualification checks
- Procedure qualifications of welds



- Material checks
- Manufacturing inspections
- Non-destructive examinations of weld seams
- Hydrotest
- Appraisal of certificate

In 2014 mainly 5 units of atmospheric storage tanks manufactured by POLİSAN HOLDİNG A.Ş., and 14 units of atmospheric storage tanks manufactured by EVYAP SABUN YAĞ GLİSERİN SANAYİ VE TİC. A. Ş. have been certified by Türk Loydu.

SEVESO

Since it is determined that any events such as fire, explosion, chemical release occurred in most industries and especially in chemical industry are not prevented only by any technical measures, Türk Loydu participated in 1st International Process Safety Symposium and Exhibition conducted on 5th to 6th December, 2014 and made a presentation together with its partner Slovak SCPC Ltd. company. Türk Loydu shall ensure that its technical personnel has trainings on and thus also serve in this field in next years.

SYSTEM CERTIFICATION

In 2014, Türk Loydu maintained certification activities of a large number of customers on management system certification.

In 2014, Türk Loydu accredited by TÜRKAK on ISO 27001 information security management system certification and implemented certification activities.



Standards, certification of which was conducted in 2014, are as follows:

- ISO 9001:2008 Quality Management System
- ISO 14001:2004 Environmental Management System
- OHSAS 18001: 2007 Occupational Health and Safety Management System
- ISO 10002: 2004 Customer Satisfaction Management System
- ISO 27001:2013 Information Security Management System
- ISO 50001:2011 Energy Management System
- ISO 3834:2005 Welding Manufacture Competence
- AD Code 2000 HP0-W0
- Competency in Manufacturing

Main industries served in 2014 are as follows:

- | | |
|------------------------------------|---------------------|
| - Ship Building | - Maritime Affairs |
| - Machine | - Metal |
| - Information Technologies | - Rubber |
| - Chemistry | - Transportation |
| - Food | - Service |
| - Electronics | - Telecommunication |
| - Construction | - Public Management |
| - Local Government | - Port Affairs |
| - Mineral products | - Printing |
| - Forest products | - Plastic |
| - Engineering Services | - Sponge |
| - Electrical and optical equipment | - Sales |

ISO 27001 INFORMATION SECURITY MANAGEMENT SYSTEM CERTIFICATION

Türk Loydu also adds ISO 27001 Information Security Management System to its scope of system certification accreditation and is accredited by Turkish Accreditation Agency (TÜRKAK).

As information technology improves fast, dependency of organizations to information systems and services increases and institutional structures also ungaurded against security hazards.

In today's world, information is an entity, which must be protected.

ISO/IEC 27001 addresses to all industries and may apply to each structure in a varying range from small to large, from production to service, from

public to private sector. This standard is necessary especially in any industries such as finance, healthcare, public, logistic, customs, export, import, telecommunication and information technologies, where protection of information is critical.

An ISO 27001 certificate facilitates customs clearance procedures. ISO 9001 and ISO 27001 certificates are required for organization, which shall make an application for Authorized Obligation pursuant to the Regulation on Facilitation of Customs Clearance Procedures published on 10th January, 2013 in the official gazette and revised on 21th May, 2014. In this context, Türk Loydu provided necessary infrastructure and performed the certification activity in 2014.

ISO 27001 Certificate is compulsory for EPDK (Energy Market Regulatory Authority) License. An ISO 27001 information security certificate issued by authorities accredited by TÜRKAK is rendered compulsory for any revisions made by EMRA on the Electrical Market License Regulation, Natural Gas Market License Regulation and Oil Market License Regulation and published in the copy dated 26/12/2014 and numbered 29217 of the Official Gazette.



ISO 9001 QUALITY MANAGEMENT CERTIFICATE FOR RIZESPOR

It is confirmed that RIZESPOR FUTBOL YATIRIMLARI SANAYİ VE TİCARET A.Ş. (RIZESPOR), which competes in Spor Toto Super Lige, meets the requirements of ISO 9001 quality management system, and such organization was certified on 13.01.2014 according to ISO 9001:2008 standard.

RIZESPOR, which gets UEFA Club License that cannot be obtained by most super liege teams while the club competes in 1st Liege one down Super Lige, has conduct the quality management system activity adopted by the club as a tool in institutionalization, brought its processes to a structure as it desires and in turn has deserved to get an ISO 9001:2008 certificate.





TÜRK LOYDU

İKTİSADİ İŞLETMESİ

BELGE

CERTIFICATE

Belge No / Certificate No : 2013.TLBB-981.1029

Türk Loydu hereby certifies that,

TÜRKİYE ODALAR VE BORSALAR BİRLİĞİ
Dumlupınar Bulvarı No:252 (Eskişehir Yolu 9. Km.) 06530 /ANKARA

firmasında Türk Loydu tarafından



TS EN ISO 9001 : 2008

standardına uygun olarak gerçekleştiren denetim sonucunda Kalite Yönetim Sisteminin
has implemented and operates a Quality Management System for

5174 sayılı Kanun ve ilgili mevzuat uyarınca üye Oda ve Borsalara yönelik yürütülen faaliyetler;
muhtelif kanun, yönetmelik vb. mevzuat ve/veya uluslararası sözleşmeler ile verilmiş görevler uyarınca
gerçek ve tüzel kişilere sağlanan hizmetler ve söz konusu faaliyet ve hizmetlerin yürütülmesi amacıyla
öretilen destek hizmetleri

activities carried out for member Chambers and Commodity Exchanges, as required by the law no 5174
and related legislation services provided to real and legal persons, as per tasks assigned through laws,
regulations, etc and/or international agreements and support services produced to execute those
activities and services thereof

kapsamında tasarım ve geliştirme (madde 7.3), üretim ve hizmet sağlama için proseslerin geçerliliği (madde 7.5.2), izleme ve
ölçme donanımının kontrolü (madde 7.6) faaliyetleri hariç tutularak ilgili standart gereklerine uygun olarak kurulmuş ve işletilmekte
olduğu belgelenmiştir.

in compliance with the requirements of the quality standard excluding (clause 7.3) design and development, (clause 7.5.2)
validation of process for production and service provision, (clause 7.6) control of monitoring and measuring device activities
mentioned above by an audit performed by Türk Loydu.

Bu belge belge geçerlik süresince gerçekleştirilecek periyodik denetimler sonucunda sistemin başarılı bulunması şartı ile
aşağıda belirtilen belge geçerlik tarihine kadar geçerlidir.

This certificate is valid until the date of certificate expires only provided that the system is found successful as a result of periodic audits.

Belge kapsamı ve geçerliğini + 90 216 581 37 48 nolu telefondan teyit edebilirsiniz.

Validity and scope of the certificate can be checked from +90 216 581 37 48

Belgelendirme tarihi / Date of certification : 24.07.2013

İlk belgelendirme tarihi / Date of initial certification : 19.03.1998

Belge geçerlik tarihi / Date of certificate expiry : 23.01.2016

Belgelendirme Komitesi Başkanı
Head of Certification Committee



Endüstri ve Belgelendirme Bölüm Başkanı
Head of Industry and Certification Division

TOBB CHAMBER AND COMMODITY EXCHANGE MARKET ACCREDITATION PROJECT

The Chamber/Commodity Exchange Accreditation System is a model developed by considering the British Union of Chambers, Eurochambers, where any opinions on German chamber system are also added, in scope of "Turkish Chamber Improvement Program," in cooperation of Eurochambers and TOBB and under ARCHIMEDES for purpose of improving service quality in chambers and commodity exchanges affiliated to the Union of Chambers and Commodity Exchanges of Turkey (TOBB).

In TOBB Chamber and Commodity Exchange Accreditation Project, Türk Loydu received trainings and met the process in 3rd period of 2005. In 4th period of 2006, it began to perform the inspection services of the project and took charge in the project successfully until the end of 2009. Upon a short pause, it began to serve again with 9th period of the project in 2012.

In 2014, Türk Loydu conducted development visits of 10th period chambers and commodity exchanges, and also conducted re-accreditation audits of 1st, 2nd, 5th and 7th period chambers and commodity exchanges.

It implemented development visits in totally 40 chambers /commodity exchanges and conducted audits in totally 94 chambers / commodity exchanges. Also, in the scope of the project, it provided 1,117 people including TOBB's employees and employees of chambers and commodity exchanges with trainings in 48 training sessions in 2014.

CERTIFICATION OF CHAMBERS AND COMMODITY EXCHANGES BOUND TO TOBB

Türk Loydu, which undertakes the training and auditing services in TOBB Chamber/ Commodity Exchanges Accreditation Project implemented any intensive activities on chamber/ commodity exchange trainings and certification for purpose of increasing the application levels of the management systems of the chambers/commodity exchanges in 2014.

In 2014 Türk Loydu performed certification activities in the chambers and commodity exchanges bound to the Union of Chambers and Commodity Exchanges of Turkey and other Unit (AKHISAR TB, AMASYA TSO, BEYPAZARI TO, CEYHAN TB, EDREMIT TO, GİRESUN TB, GİRESUN TSO, HAYRABOLU TB, İMEAK DTO, KASTAMONU TB, KIRSEHIR TB, KIRSEHIR TSO, KORFEZ TO, MERSİN TB, POLATLI TO, TOKAT TB, SOMA TSO, UZUNKOPRU TB, UZUNKOPRU TSO) in different standards (ISO 9001, ISO 10002, ISO 27001, ISO 14001).





I- TÜRK LOYDU SCHOLARSHIPS IN 2014

TÜRK LOYDU maintains giving non-refundable scholarships and educational support in 2014 to undergraduate and post graduate students who are studying at universities within the scope of activities of Türk Loydu. Giving non-refundable scholarships and educational supports are approached in the framework of the fulfillment social responsibility. Non-refundable scholarships are given as monthly scholarships during nine months from the beginning (October) to the end (June) of each academic year. In the beginning of 2013/2014 Academic year, Türk Loydu provided totally 165 students, who were identified for non-refundable scholarships and study in undergraduate and graduate degree programmes, with scholarship during first six months of 2014.

Like the application in the previous period, in the beginning of 2014/2015 Academic year, undergraduate students were able to apply directly for scholarship vacancies via web-based "Türk Loydu Scholarship Information System." The undergraduate degree scholarship applications are considered according to the preliminary assessment criteria, listed according to quotas and any necessary documents are required to confirm any information stated by candidate scholars. In 2014-/2015 academic year, our foundation has totally 129 non-refundable scholarship quotas as 115 undergraduate degree, 8 master degree and 6 doctorate degree scholarships.

II- ACADEMIC AND OTHER VARIOUS GRANTS WITH R&D SUPPORT

- R&D supports provided in 2014:

Türk Loydu Foundation also provides special R&D support for ones, who shall conduct any academic researches, in any required fields in its activity industries.

- Prof. Dr. Metin TAYLAN, academic member of Istanbul Technical University (ITU) Faculty of Naval Architecture and Ocean Engineering, and Prof. Dr. Huseyin YILMAZ, academic member of Yıldız Technical University (YTU) Faculty of Naval Architecture and Maritime, who participated in IMO - SDC 1st period meeting conducted on 20th to 24th January, 2014 in London, provided a financial support for participations to such meeting.



- Türk Loydu sponsored and provided ITU Waterbike Team, who hosted the 35th International Waterbike Regatta 2014), with a financial support. The competition was arranged in Heybeliada.
- Türk Loydu provided "ITU Auvtech Autonomous Underwater Project Team" bound to ITU Faculty of Shipbuilding Naval Architecture and Ocean Engineering with a financial support.
- Türk Loydu sponsored and provided the Maritime Club of Yıldız Technical University for participation to the "Solar Energy Boat Project Solar Splash Competition" with a financial support.

- Local Conference and Meeting Supports:

- Türk Loydu provided a financial support for the Union of Chambers of Turkish Engineers and Architects (UCTEA) Chamber of Naval Architects and Marine Engineers in 60th Anniversary and

"Turkey Shipbuilding Industry Symposium" organization arranged by the UCTEA Chamber of Naval Architects and Marine Engineers on 11th and 12th December, 2014.

- Türk Loydu provided a financial support for "2nd International Shipbuilding and Maritime Symposium" organization arranged by Faculty of Shipbuilding and Maritime of Yıldız Technical University on 23th and 24th October in 2014.
- Türk Loydu provided the "Maritime Student Association" with a financial support for 15th National Mermaid Congress.
- Türk Loydu provided the Istanbul Technical University with a financial support for TEAM (The 28th Asia Pacific Technical Exchange and Advisory Meeting on Marine Structures) Conference organization arranged on 13th and 16th September, 2014.
- Türk Loydu provided a financial support for "International Prof. Dr. A. Yücel ODABAŞI Colloquium - Propeller Noise and Vibration" meeting organization arranged in the memory of Prof. Dr. A. Yücel ODABAŞI on 6th to 7th November, 2014.

- Education Supports:

- Transportation expenses of Mr. M. Erden YILDIZDAG, Research Assistant of ITU Faculty of Shipbuilding Naval Architecture and Ocean Engineering, who would study for doctorate in University of California, Berkeley.
- Türk Loydu provided Mr. Bekir DENLİ, undergraduate of Faculty of Mechanical Engineering of Yıldız Technical University, who study abroad in the scope of ERASMUS programme, with a financial support.
- Türk Loydu provided two employees of the Turkish Republic (T.R.) Ministry of Transport, Maritime Affairs and Communications with a financial support for their master degree study in IMO World Maritime University.

- Various Supports:

- Türk Loydu placed an informative advertisement and made a contribution for graduation year-book of the Private Eryetiş Reis Maritime High School.
- Türk Loydu provided a financial support for the Alumni Day activity organized by the Alumni Association of ITU Faculty of Shipbuilding Naval

Architecture and Ocean Engineering.

- In 2014, various awards were granted to the undergraduates, who were graduated from the relevant Departments of ITU Faculty of Naval Architecture and Ocean Engineering, YTU Faculty of Naval Architecture and Maritime and Karadeniz Technical University (KTU) Sürmene Faculty of Marine Sciences.
- Transportation expenses of Mr. Baran Serdar SARIOĞLU, who would participate in “The International Conference on Ship and Offshore Technology (ICSOT 2014)” Conference organized on 4th to 5th November 2014 in Indonesia.
- Türk Loydu granted two container to the Maritime Club of Yıldız Technical University.
- Türk Loydu provided a financial support for a social activity realized by the Barbaros Seafarers Association on 12th July 2014.

III- SECTORAL ACTIVITIES WITHIN 2013

- Working Group for Definition of Vocational Standards and Qualifications of Personnel Working at Shipbuilding and Ship Recycling Facilities:

In 2014, TÜRK LOYDU also continued to make contribution to any activities started in cooperation of the General Directorate for Shipyards and Coastal Structures of the T.R. Ministry of Transport, Maritime Affairs and Communications (Turkish abbrev: UDHB TKYGM) and Vocational Qualification Authority (Turkish abbrev: MYK) in 2013. In this context, the national vocational standards were developed for 7 vocational groups determined principally in the Working Group. UDHB TKYGM, MYK, the Turkish Shipbuilders' Association (Turkish abbrev: GİSBİR), İMEAK Chamber of Shipping (Turkish abbrev: İMEAK DTO), the UCTEA Chamber of Naval Architects and Marine Engineers (Turkish abbrev: TMMOB GMO), TÜRK LOYDU, the UCTEA Chamber of Marine Engineers (Turkish abbrev: TMMOB GİMİMO), the Ship Industrialists' Association (Turkish abbrev: GESAD), the Ship Recyclers' Association of Turkey (Turkish abbrev: GEMİSANDER), the ITU Faculty of Naval Architecture and Ocean Engineering (Turkish abbrev: ITU GİDBF) in the Working Group. Technical teachers from Maritime Anatolian High Schools also participate in some meetings of this working group.





In the protocol entered into between UDBF TKYGM and the MYK on 5th December 2013, it is resolved that vocational standards and national qualifications are provided in the relevant industries. The vocational standard preparation activities started before signing the Protocol are concluded, and draft vocational standards are submitted to the relevant authorities and institutions for opinion in earlier 2014. Of such submitted vocational standards, "Ship Assembler Level 3" draft standard is prepared with mutual work of TÜRK LOYDU, GİSBİR and İTÜ GİDBF. During preparation process of other draft vocational standards, any opinions and evaluations are submitted.

A series of study done for drafts Vocational Standards was discussed at a meeting of the MYK conducted on 28th February, 2014 and draft vocational standards were submitted to the relevant authorities and institutions for opinion so that preparation activities of the national vocational standards shall be started. The draft vocational standards, on which all opinions were collected on 15th March, 2014 are reviewed in line with opinions of UDHB TKYGM, and then submitted to Metal Industry Committee Meeting of the MYK for opinion. The national qualifications were discussed

primarily according to the vocational standards at the meeting arranged by TÜRK LOYDU on 21st March, 2014.

TÜRK LOYDU and other components of the working group participated in Metal Industry Committee Meeting of the MYK (28th and 29th April, 2014). Draft vocational standards for Ship Recycling Worker (Level 3), Ship Recycling Operation Officer (Level 4), Ship Assembler (Level 3), Ship Machinery Maintainer (Level 3), Ship Machinery Assembler (Level 3), Ship Pipe Fitter (Level 3) and Ship Painter (Level 3) submitted to the MYK are revised in accordance with the resolutions at the industrial committee meeting, and submitted to the Board of the MYK for approval.

After such 7 vocational standards are approved by the Board of the MYK, they are published and entered into force as National Vocational Standards in dated 14.08.2014 and numbered 29088 of the Official Gazette (Duplicated).

Upon publication of the discussed vocational standards in the Official Gazette, any matters such as how to apply the "performance-based practical exams" to be done by the examination and certification organization, success measurement parameters, assessment criteria, points, etc., and any necessary procedures to conducted for application of national vocational qualifications were discussed at the meeting of the MYK on 15.08.2014.

In Shipbuilding and Ship Recycling Industry, our association pays attention to any activities on protection of life, property and environmental safety, increase of industrial awareness, employment of qualified labor in the relevant industries, determination and application of vocational education curriculums, development and application of vocational standards and relevant national qualifications, etc.

- Activities for Introduction of Our Foundation

A workshop was arranged on Türk Loydu's activities during visits lecturers and students from the World Maritime University (WMU) to Türk Loydu on 6th May, 2014. The workshop was arranged by Mr. Suphan PEKGUN, Foreign Affairs and Strategy

Development Coordinator in our Prof. Dr. Kemal KAFALI Training Hall.

An informative workshop was presented to introduce Türk Loydu and Classification Activities for final year students of Departments of Marine Engineering and Maritime Transportation. and Management Engineering of Zirve University, visit of which is organized by the Barbaros Association of Seamen (BADER), by Mr. Suphan PEKGUN, Foreign Affairs and Strategy Development Coordinator in our Prof. Dr. Kemal KAFALI Training Hall on 15th November, 2014.

IV - TRAINING ACTIVITIES

The trainings that we organize to meet any training requirements of the industries, for which we submit any industrial services, (Maritime, Ship and Yacht Building, Energy, Manufacturing, Transportation, Logistic, Defense Industry, etc.) in the scope of the technical and legal arrangements were continued and new training schedules were prepared in 2014. Our trainings are discussed in three different chapters as trainings open to general participation, trainings prepared and organized according to the requirements of companies and organizations, and trainings organized according to any requirements of the official authorities (T.R. Ministry of Transportation, Maritime Affairs and Communication , General Directorate for Coast Guard, etc.).

The trainers are selected carefully among specialized and experienced trainers, and any training contents are improved with feedbacks obtained upon trainings. At the end of the trainings, TÜRK LOYDU success or participation certificates are issued to the participants depending on type of training. A training completion certificate is issued for some trainings (Dangerous Goods Safety Adviser (DGSA) trainings).

With the “Dangerous Goods Safety Adviser Authority Certificate” issued by Ministry of Transportation, Maritime and Communications pursuant to the “Notification on Dangerous Goods Safety Advisory” published on 22nd May, 2014 in the Official Gazette, trainers added the Dangerous Goods Safety Adviser trainings, which take a

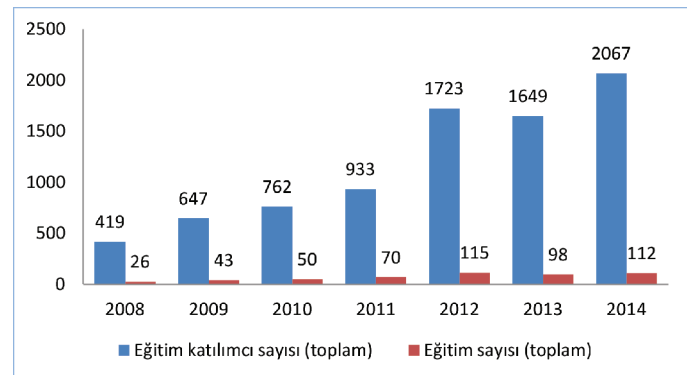
significant place in logistic and transportation industries, to the curriculums after second half of 2014 and continued to contribute to the industries.

It is aimed that any innovative approaches persists with new projects and with increased acceleration in next processes as well. It shall be enough for our customers to call our Head Office or nearest local offices on training requirements in local and international sites. We shall review any training requirements informed to us and participant profile and other specific project or site details, and thus continue to submit the trainings designed by us.

The figures about trainings open to general participation and trainings organized according to requirements of companies/organization in 2014 are given below. Our trainings on ISO 9001:2008 Quality Management System organized pursuant to Chamber/Commodity Exchange Accreditation in the body of the Union of Chambers and Commodity Exchanges of Turkey (Turkish abbrev: TOBB) has a significant share in 2014, and ISO 10002 Customer Satisfaction Management System training were added to these trainings. Furthermore, ISO 50001 Energy Management Systems and ISO/IEC 27001 Information Security Management Training also take place among mostly demanded and applied trainings.

Total Number of Implemented Trainings: 112
Total Number of Trainees: 2067

Total Number of implemented trainings and total number of trainees are given by 2008-2014 in the following graphic:







Among our trainings on Dangerous Goods Transportation, trainings under IMDG Code (International Maritime Dangerous Goods Code), our General Awareness Trainings under ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road), and our Dangerous Goods Safety Adviser trainings started to apply pursuant to the relevant legislation on August, 2014 are required commonly.

TÜRK LOYDU intend to persist the training activities more commonly and effectively by 6 training halls as one is equipped by PC, and one Conference Hall infrastructure and by considering any training requirements of the relevant industries.

- New Trainings

It is aimed that variety of the existing trainings is increased with new trainings required due to new developments. In this context, new trainings were designed and implemented in 2014.

Our new trainings implemented in 2014 are as follows:

- General Awareness Training on Transportation of Dangerous Goods by Road within scope of the ADR
- Dangerous Goods Safety Adviser Training within scope of the ADR
- ISO /IEC 27001 Information Security Management Internal Auditor Training
- Training on CE Marking In Steel Structures and EN 1090 Standard
- ISO 9001:2008 Quality Management System Information Training within scope of TOBB Chamber/Commodity Exchange Accreditation
- Kaizen-Continuous Improvement
- Teamwork and Leadership Training
- Training on Body Language, Communication, Protocol and Etiquette

Issue of "Dangerous Goods Safety Adviser – Training Authorization Certificate"

Any necessary preparation activities were started in 2013, and completed in 2014 to give the Dangerous Goods Safety Adviser Trainings. 4 employees from Türk Loydu participated in "Training of SRC5 Trainers under ADR (Basic Training and Tank Training curriculums)" organized by the General Directorate for Dangerous Goods



and Combined Transport Regulation of the T.R. Ministry of Transportation, Maritime Affairs and Communication (Turkish abbrev: UDHB TMKTDGM) on 11st to 30th March, 2013 in Ankara, and as a result of the exam, deserved to get a "SRC5 Trainer Certificate on Transportation of Dangerous Goods under ADR (for Basic Training and Tank Training)."

3 ones of our employees participated in "Training of SRC5 Trainers within the scope of ADR (Transport of Class 1 Explosive Substances and Transport of Class 7 Radioactive Substances)" had to be arranged by the TMKTDGM to our organization between 28th October and 2nd November, 2013 in the Inci Residence Hotel, Ankara, and it is ensured

that Class 1 and Class 7 Trainings are also be included in the SRC5 Trainer Certificate as they have already taken.

Within the scope of ADR to be arranged under "the Regulation on Transport of Dangerous Goods by Roads" published in the copy dated 24.11.2013 of the Official Gazette (No.28801) training titles such as "General Awareness," "Function-Specific," etc. are intended and announced in the relevant industries as of 2014.

Pursuant to obligation of any relevant organizations to employ a "Dangerous Goods Safety Adviser" or to receive any service from a "Dangerous Goods Safety Adviser" as of 01.12.2014 as specified in the above Regulation, 4 employees of our organizations, who are in position of SRC5 Trainers, participated in "the Programme on Training of Trainers for Dangerous Goods Safety Adviser" arranged by the UDHB TMKTDGM between 17th and 28th March, 2014 under the national legislation to provide "the Dangerous Goods Adviser Trainings" intended to be arranged in 2014 under ADR, RID (European Agreement Concerning the International Carriage of Dangerous Goods by Rail) and IMDG Code, and deserved to be DGSA Trainers are a result of the examination.

The relevant comprehensive arrangement is made by the Ministry of Transport, Maritime Affairs and Communications of Turkey under "the Noticification on the Dangerous Goods Safety Adviser (Noticification No.TMKTDGM-01)" published in the copy dated 22.05.2014 and numbered 29007 of the Official Gazette. In this noticification, any organizations and transportation organizations, which take place in the dangerous goods transport chain, packages, transports, loads and unloads the goods are obliged to employ at least one "Dangerous Goods Safety Adviser" (DGSA) or to receive any service from at least one "Dangerous Goods Safety Adviser" by specifying the temporary exceptions and terms. The obligation to employ a DGSA or to receive any service from a DGSA will enter into force on 30th June, 2015 in most organizations upon the revision of "the Regulation on Transport of Dangerous Goods By Roads" published on 27th August, 2014 in Official Gazette.

On 22nd May, 2014, Türk Loydu prepared to receive for DGSA Training Authority Certificate and applied to the UDHB TMKTDGM after the Noticification entered into force. "The DGSA Training Authority Certificate," which must be replaced by the Administration every 5 years, was received as of 27.07.2014. DGSA Trainings were designed and announced to the relevant industries under ADR regulation as of August 2014. Most organizations may forward their employees to participate in these trainings or the relevant persons may participate in such trainings under the relevant legislation. Our organization prepared and submitted any protocols possibly to be utilized by their members to the Professional Engineering Chambers and other establishments s possibly related to the industry. It is anticipated that any advices on these protocols will be evaluated in 2015. Any applications were made to the Organized Industrial Zones, where Chemical and Logistic take place intensely, for promotion of these trainings, and in this context, "General Awareness/Information Seminar on Transport of Dangerous Goods by Roads under ADR" was arranged in GEBKIM Organized Industrial Zone Directorate on 27.10.2014 in Dilovası, Gebze. On 12th November, 2014, "General Awareness/Information Seminar on Transport of Dangerous Goods by Roads under ADR" was arranged for one day for the members of the İstanbul Chamber of Industry. Furthermore, on 11th December, 2014, a similar workshop was also arranged for the Chamber members upon invitation of Ankara Branch of the UCTEA Chamber of Environmental Engineers. Such attempts shall also be maintained similarly in 2015.

Other trainings included in our trainings on Transportation of Dangerous Goods are listed below. Such trainings may be submitted to any authorities and organizations:

- Class 1 (ADR/IMDG Code/RID) Information about Transportation of Explosive Substances
- Class 7 (ADR/IMDG Code/RID) Information about Transportotation of Radioactive Substances
- Loading Safety on Roads International Convention for Safe Containers (CSC) Information raining on Transport quality management system. Road rail and inland

navigation transport. Quality management system requirements to supplement EN ISO 9001 for the transport of dangerous goods, with regard to safety

OUR OUTSTANDING TRAININGS

- Training Workshops Under IMDG Code

The training workshops begun by us as an Authority since 17th September, 2011 were also continued in 2014 pursuant to the "Directive for Authorization and Training within the scope of International Maritime Dangerous Goods Code"" revised by the Ministry of Transport, Maritime Affairs and Communications of Turkey and published in the copy dated 11.02.2012 and numbered 28201 of the Official Gazette and to the Directive on "IMDG Code Trainings" revised by the General Directorate for Dangerous Goods and Combined Transport Regulation on 27.03.2013 (2013/TMKTDGM-01-TRAINING).





The trainings organized by us as TÜRK LOYDU under IMDG Code are in three groups. The Renewal Training Seminars are also continued under IMDG Code since 2013. The employees, who have already received IMDG Code General

Awareness and Function-Specific trainings pursuant to the regulation, must participate in the Renewal Training Seminars once every two years under the legislation and IMDG Code.

1. IMDG Code General Awareness Training Seminar (1 day)
2. IMDG Code Function-Specific Training Seminar (3 days)
3. IMDG Code Renewal Training Seminar (1 day)

- For Management System;

- Information / basic and internal auditor trainings provided under "ISO 9001 Quality Management System", "ISO 14001 Environmental Management System", "OHSAS 18001 Occupational Healthy and Safety Management System", "ISO 10002 Customer Satisfaction and Complaints Management System" and Integrated Management System consisting of particular components of these standards
- "Process Management and Improvement" and "Refreshment and Experience Sharing for Internal Auditors" trainings
- ISO 50001 Energy Management Systems Information and Internal Auditor Trainings
- ISO/IEC 27001 Information Security Management System Information and Internal Auditor Trainings

- Our trainings intended to design in 2015;

- ISO 31000 Risk Management System Information Training
- ISO 22301 Business Continuity Management Systems Information Training
- ISO 9001:2015 Quality Management System Revision Training
- ISO 14001:2015 Environmental Management System Revision Training

- For environmental protection and sustainable life;

- Environmental Legislation Training
- Training on Environmental Impact Analysis under ISO 14001:2004 Standard

- For Industrial Activities;

- Pressure Equipment Directive (97/23/AT and Basic Pressure Vessel Directive (87/404/AT) Information Training
- Information Training on Testing of Pressure Vessels
- Lifting Equipment-General-Technical Information Training
- Training on CE Marking In Steel Structures and EN 1090 Standard
- Occupational Health and Safety Awareness and Information Training (for Employees)
- Information Training on Occupational Health and Safety in Shipyards
- Information Training on Occupational Health and Safety in Enclosed Spaces
- Training on Safe Scaffolding and Safe Working on Scaffold-Theoretical

- For Welding Technology and Applications:

- Theoretical and applied data refreshment trainings organized according to requirements of the Company for various joining/welding technologies (Plastic Welding, Electric Arc Welding, Inertia-Gas Welding, TIG Welding, Brazing and Soft Soldering, etc.)
- EN ISO 14731 Welding Coordination Tasks and Responsibilities Information Training
- ISO 3834 series Standard Training on Quality Requirements for Fusion Welding of Metallic Materials.
- Information Training on Welding Defects and Evaluation
- Training on Preparation and Approval of Welding Plans (WPS)

A workshop was submitted by Mr. Hasan HABIBOGLU, one of Türk Loydu's surveyors on 11th November, 2014 on "welding procedures, welding operations, welding manufacturing destructive and non-destructive inspection methods" for undergraduates, who study the course "Ship-building Manufacture Methods" in bachelor's degree curriculum of ITU Faculty of Shipbuilding and Ocean Engineering at Prof. Dr. Kemal KAFALI Training Hall.

- For Maritime and Shipbuilding, Maintenance and Repair Industry:

- An "Auditor" training in the International Safe Management System (ISM Code): ISM Code Auditor Code is one of DPA appointment criteria, and this training is a 2-day training applied widely by Türk Loydu since 2009.
- "MARPOL International Convention on Prevention of Pollution from Ships" training: The training was intended for shipowners and improved as particular to the ports and marine terminals.
- MLC, 2006 (ILO Maritime Labor Convention, 2006) trainings: In this context, the training is included in our trainings open to general participation since 2011. It is expected that this training draws more attention.
- Training on International Conventions / Codes / Standards on Marine Terminals
- Market Surveillance and Control of Products within the scope of Recreational Craft Directive
- Ship Energy Efficiency Management Plan Information and Application

- Utilization of Türk Loydu Training / Seminar Halls for Use External Demands

Our training rooms are submitted for use for trainings, courses and other similar activities organized by various authorities, organizations and companies by considering any requirements of our industries.

- Our training halls and Prof. Dr. Teoman OZALP Conference Hall are allocated for any trainings, courses and meetings organized by the UCTEA Chamber of Naval Architects and Marine Engineers for their members in 2014 (occupational health and safety, seminars under labor code, degasification course, general member meetings, etc.).
- Prof. Dr. Teoman OZALP Conference Hall is allocated the General Assembly of the Turkish Association of Ship Industrialists conducted on 4th June, 2014 and the Extraordinary General Assembly conducted on 26th August, 2014.
- Prof. Dr. Yucel ODABASI Training Hall is allocated for "Dredging Ship Project Group Study Meetings" organized by the General Directorate for Shipyards and Coastal Structures of the Ministry of Transport, Maritime Affairs and Communications of Turkey.

TÜRK LOYDU VAKFI İKTİSADİ İŞLETMESİ

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