



TÜRK LOYDU



2012
Annual Report



“... Maritime shall be considered not only as a matter of transportation but also as a matter of economy. For this purpose, shipyards, ships, ports and quays shall be constructed and the sea sports clubs shall be established, protected and developed because of the fact that only power and capabilities of a nation may secure the borders of a nation having a land owning shores. Turkey having the most favourable geographic location and surrounded by sea on its threesides is capable of raising an advanced nation in maritime with its industry, trade and sport. We should know how to make use of this capability. We should consider maritime as great national ideal of Turkish People and achieve thisgoal as soon as possible...”

K. Atatürk

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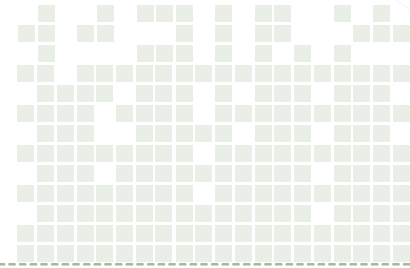


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TÜRK LOYDU FOUNDATION BOARD OF MANAGEMENT

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Salim ÖZPAK
K.Erhan Tunçay

GENERAL MANAGER

Salim ÖZPAK

✓ OUR VISION

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

✓ OUR MISSION

Providing conformity assessment services in the fields of safety of life, property and environment in accordance with our principles.

✓ OUR PRINCIPLES

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

✓ TÜRK LOYDU QUALITY POLICY

The Management of TL is committed to the following subjects together with 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,
Maintaining 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",
Continuous 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 the personnel in accordance with the assigned work,
Receiving customer feedbacks to satisfy their expectations and needs, responding them efficiently and quickly, while using the information for improvement of provided services,
Ensuring that the provided services are equally accessible to all customers.

✓ TÜRK LOYDU 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 a healthy and safe environment to prevent diseases and injuries,
Effective identification of hazards and minimizing risks,
Provide OH&S trainings for the personnel,
Ensuring that safe work places are provided for 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,
Improving OH&S processes and performance continuously,
Providing the required resources for OH&S of its personnel.

✓ TÜRK LOYDU ENVIRONMENTAL POLICY

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

Evaluating environmental impacts which may generate during/when conducting its services and minimizing adverse environmental impacts,
Complying with the applicable legal requirements and standards related to environmental impacts,
Improving environmental performance continuously.

Dear Colleagues of Türk Loydu ;



**TÜRK LOYDU Yönetim Kurulu
Başkanı
Prof. Dr. Tamer Yılmaz**

The last four years, especially 2012 have been tough for the marine industry due to the economic crisis in the world. Türk Loydu put a significant effort toward improving its current position despite the negative economic developments in the sector and in the whole world in 2012. Türk Loydu, serving in Maritime and Land industries with 135 members of technical personnel, makes investments in many fields such as Aviation, High Speed Train, Nuclear Energy, and Dangerous Cargo Transportation.

When the marine industry status toward the European Union is examined, one will see that Türk Loydu has assumed an important mission. The Turkish vessels and thus the Turkish sea transport most recently was in the black list according to the Port-State-Control statistics. In this regard, the Turkish vessels were being arrested in many ports. During this period, Turkey could not fulfill its obligations deriving from internationally effective regulations, agreements or standards and could not audit its vessels as desired.

Moreover; during the same period the Turkish flag could not audit the foreign flags in its own ports either and the reputation of Turkey was weakening.

However, with the influence of the regulations later on, the Turkish sea transport made an important advancement and Türk Loydu, a national classification society valuing both the Turkish flag and the issue; caught up with a sustainable success in PSC statistics and reached their "high performance levels" which they had yearned for years. This advancement is one of the best examples of the success that may be managed as a result cooperating harmoniously and acting in unison as flag states and classification societies authorized by flag states.

The classification societies are obliged to keep up with the international regulations by being also responsible for the flag states for which they are in charge of and correspondingly, they are constantly improving their own rules taking into consideration the life and property safety in sea and the environmental factors.

Türk Loydu actively attends the IMO meetings for this purpose, notifies the relevant sector periodically with the bulletins that it publishes and also not being limited only to ships, cooperates with the Flag States in a way to include issues related to the port, shore facility, environmental and energy management systems in its field of activity.

With the decisiveness of our country toward the European Union, there have been significant developments in the recognition process of Türk Loydu by the European Union (EC Recognized Organization).

After the audits realized by the Slovakian Republic, Türk Loydu applied to the European Union Committee in 2010 for its recognition. Unfortunately, after a whole 3 years the European Union Committee Transportation Directorate, EMSA (European Maritime Safety Agency) decided with the intervention of our Ministry of Maritime Transportation, Maritime Affairs and Communications Binali Yıldırım, that auditing would be performed and that the report would be presented to the European Union Committee.

With the aforementioned development, an audit was performed between the dates of February 5th – 8th 2013. During the audit, Türk Loydu was conforming in terms of standards of quality systems and the services provided. We are aware of the fact that another highly important process will be completed with the submission of the audit report and that intense working will be in question in terms of quickening the necessary contacts.

As it ensued in the search conference "A Visional View from the 50th Anniversary of Türk Loydu to the 100th Anniversary of our Republic" that we completed within January, our VISION is:

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

Accordingly, we have set the membership of IACS (International Association of classification Societies) as our most strategic objective. Today, 13 IACS-member classification societies have 96% of the whole market and the remaining 40 classifications share a market of 4 %. And this proves how much of a commercial authority IACS is.

IACS was audited in 2008 by the EU Committee on the grounds that it posed violation to the antitrust law and it was concluded;

-that IACS prevented rivalry in the ship classification market,
-that the IACS memberships of the classification societies were blocked,
-and that the classification societies that were not members of IACS were prevented from participating in the technical working groups and from accessing basic technical documents of IACS.

Moreover, auditing conformity to QSCS (IACS Quality Management System Certification Scheme) that is another membership criterion of IACS was performed by IACS. The fact that the one who published the criteria and the standards and the one performing the audit were the same posed another significant obstacle to rivalry.

IACS changed its membership criteria upon the legal action named "Case 39416 - Ship Classification" that the EU Committee started against IACS and created new applications.

Now, IACS membership does not include numerical criteria such as the size of the fleet, the number of surveyors...etc. and includes qualitative criteria regarding the structural features, qualification and the quality system of the classification society.

After this step, Türk Loydu became the most important classification society candidate for IACS with its 50 years of knowledge and high performance indication.

In this process, the criteria of;

- Developing its own rules,
- Publishing the registers of the ships classified,
- Not being controlled by interest groups, that is, being independent and impartial,
- Being authorized by a flag state have primary importance.

Türk Loydu makes a great effort for the conformity to the membership criteria of IACS within the scope of the abovementioned process and made a significant progression in terms of especially rule development, surveyor training and qualification, organizational operation, information technologies infrastructure, quality system and number of technical personnel.

Türk Loydu applied to the Secretariat of IACS on September 28th 2010 for Classification Society (CS) on purpose of membership and received the affirmative confirmation letter of the IACS Committee on January 14th 2011. Thus, Türk Loydu achieved the first step in IACS membership process and gained the right to participate in the technical forums and working groups of IACS starting from this date.

Türk Loydu went through the auditing for receiving the QSCS compliance certificate which is the second step of the process between the dates of January 07th – 11th 2013.

The said audit went quite successfully, small corrections were required and it was required that they would be completed within 6 months. It is planned that after the follow-up auditing in 6 months, the IACS Secretariat will be applied to, along with the evidence documents, regarding the membership criteria and the process is going end positively until the end of the year.

I would like to extend my thanks to all executives and employees who made great sacrifices in the IACS membership and European Union recognition processes which contribute to Türk Loydu which is experiencing its historical days and which is at an important threshold and who put their effort in the 50 years of this adventure.

Respectfully...

Türk Loydu Chairman of the Board of Directors

Prof. Dr. Tamer Yılmaz



TÜRK LOYDU Genel Müdürü
Salim ÖZPAK

Despite the negative impacts of the current economic crisis in Shipbuilding Industry and the Maritime Commerce, Türk Loydu successfully completed the year 2012 in which it is celebrating its 50th Anniversary of Foundation by fortifying its technical substructure and current expert staff with new additions with the advances in financial and technical fields.

In 2012, 86 ships of various types were assigned class with Türk Loydu 26 of which as new building and 60 of which by means of transfer of class. 29 new building agreements have been made and the construction of 41 ships is still ongoing.

Türk Loydu has shown a successful performance in 2012 in terms of the results of the port state controls of the ships in Türk Loydu fleet. It maintained its Status of High Performance in the recognized Classification Societies list as it has in the last 6 years.

Türk Loydu continues to take steps toward growth and decided to open an office in Azerbaijan as a result of the estimations and negotiations. With the office to be built in the capital city of Azerbaijan, Baku, Türk Loydu will have the opportunity to render services to the Caspian Sea and its vicinity with the importance of its position by operating in the state and private sector ships, mobile offshore units and industrial and conformity assessment sectors of Azerbaijan.

An agreement has been made for delegation of authority as a result of the negotiations with the Moldovan Maritime Administration and survey and certification services were commenced on behalf of the Flag States starting from 2012 on a case-by-case basis.

As a result of the negotiations carried out with the contributions of Binali YILDIRIM, Ministry of Maritime and Communications and in the presence of European Union Commission and following of application made by Slovakian Republic in 2010 for the recognition of Türk Loydu by Europe according to 2009/15/EC Directive and EC Reg.391/2009 which is among the strategic goals of Türk Loydu, it was agreed that Türk Loydu is to be audited in February 2013 by EMSA and that the report would be presented to the European Union.

Within the scope of the membership process for IACS (International Association of Classification Societies) which is another significant strategic objective; Türk Loydu has made a great effort to comply with the IACS membership criteria and made significant progress in terms of especially rule development, implementing the IACS Requirements (UI - Inified Interpretations, UR - Unified Requirements) to the rules of Türk Loydu, surveyor training and qualification, organizational operation, survey reporting, information technologies infrastructure, quality system and number of technical personnel.

An agreement has been made with SGS – North America for the audit for the IACS QSCS (Quality System Certification Scheme) certification which is one of the membership criteria of IACS to be carried out in January 2013 and a membership application is planned to be made to the Secretariat of IACS in September following the success of the aforementioned auditing.

The efforts of Türk Loydu toward creating original rules and to improve the existing rules are successfully ongoing with the support of the protocols signed with the ITU Faculty of Naval Architecture and Maritime and YTU Faculty of Naval Architecture and Ocean Engineering in addition to its own resources.

By expanding its service range and customer portfolio, Türk Loydu continued its product, system, personnel certification and inspection activities voluntarily and within the scope of the authorizations it has in the field regulated by legislation during the year 2012 in the land industry in marine industry as well.

Türk Loydu continued to provide services in a quite wide range in industrial facilities and in public domains such as international hotel chains and residences, subways, tunnels...etc. in energy facilities for control and certification of the fire and electrical systems as demanded by guarantor companies most significant of which are investors, insurance and leasing companies and the banks. In order to provide fire safety which is an issue of threat in significant significant levels in the recent years in our country.

With the experience and the value added provided by Türk Loydu to its customers, the manufacturing and assembly inspection services of the steel structures made a leap forward in 2012 and the business capacity was doubled. The projects of Mersin Stadium, Mall of Istanbul, Libya Labraq, Martuba, Tobruq, Ghat and Kufrah airports, Kuru Florya, ASF Antakya Museum Hotel and Sisli Bomonti are some of the ongoing projects.

In compliance with the European Union of Chambers and Exchange Commodities chamber accreditation model, an agreement has been made in order to perform accreditation audits on behalf of the Turkish Union of Chambers and Exchange Commodities in the industrial and commercial chambers affiliated to the Turkish Union of Chambers and Exchange Commodities and activities were performed in 24 chambers and exchange commodities in this scope.

Protocol agreement is on verge of signing for cooperation in services of certification, training, supervision, inspection, calibration, experiment and testing that the Turkish Standards Institution and two associations will realize nationally and abroad within the scope of corporate cooperation.

Moreover; a cooperation agreement has been made with CETREN, a Spanish company, in order to provide substructure, signalization, electrification, superstructure certification and periodic inspection services within the scope of fast and conventional railway investments.

Our goal is to provide national fund of knowledge in cooperative fields and to naturalize the services. Due to the IACS membership process, the works toward becoming an association recognized by the European Union and the fact that the service range of Türk Loydu and the accreditation standards increase, the number of Türk Loydu Quality Directorate personnel has been expanded and the quality substructure has been fortified.

The Quality Directorate firstly revised and prepared all quality system documentetion in Turkish and in English in order to fulfill the IACS Quality System requirements which is one of the membership conditions of IACS (International Association of Classification Societies) and also the CE Reg.391/2009 requirements in order to become a classification society recognized by the EU.

The policy of Türk Loydu has been arranged as three separate policies so as to show the quality, occupational health and safety and environmental intentions of Türk Loydu to all parties in a more clear and understandable way.

The sense of quality of Türk Loydu has become "continual improvement and sustainable quality" with the realized quality system activities.

I would like to thank all my executive and employee friends who helped our foundation whose 50th Anniversary is celebrated in 2012, reach the current reputable and reliable position and for the acquirments that it obtained in an international platform and who served in the process from the day it was founded until today and I commemorate those who are not with us today with grace and respect.

MARINE INDUSTRY



**Head of Marine
Industry Division
İ. İlker KARPUZ**



"Türk Loydu aims to conclude its IACS membership audits and the EMSA audit that it started within 2012 with success in 2013".



Port State Controls

Türk Loydu showed a successful performance in 2012 in terms of Port State Control inspections of the ships in its fleet once more as it has in the recent years. When the worldwide PSC results in 2012 are examined, it is seen that the inspection and detention rate of the ships classed by Türk Loydu has decreased. The ships classed by Türk Loydu were subjected to PSC inspection 635 times in 2012 all around the world and there were detentions in these inspections 46 times. And the ships for which Türk Loydu issued certificates as a recognized organization went through PSC audit 747 times and there were again 46 detentions in these audits. And there was only 1 detention where Türk Loydu was responsible.

In the light of this information, according to the performance table of the Recognized Organizations which was published in the mid 2012 by Paris MoU and which covers the years 2009 – 2011; Türk Loydu maintained its “High Performance” level surpassing some classification associations that are members of IACS as it has been in the last 6 years.

Paris MoU- Ratio of Detentions compared to Audits

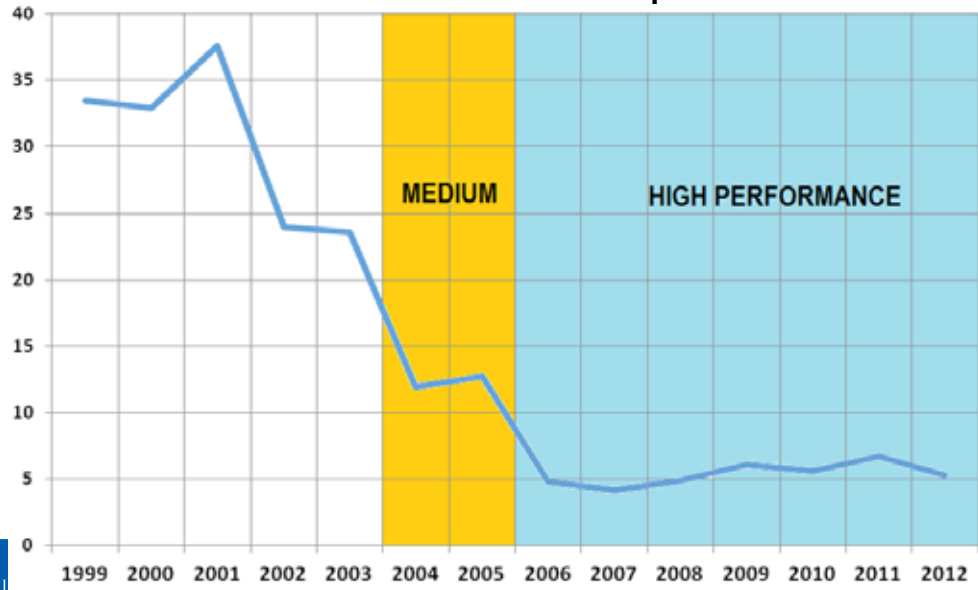


Table 1: Ratio of all detentions
Compared to inspections in Paris MoU

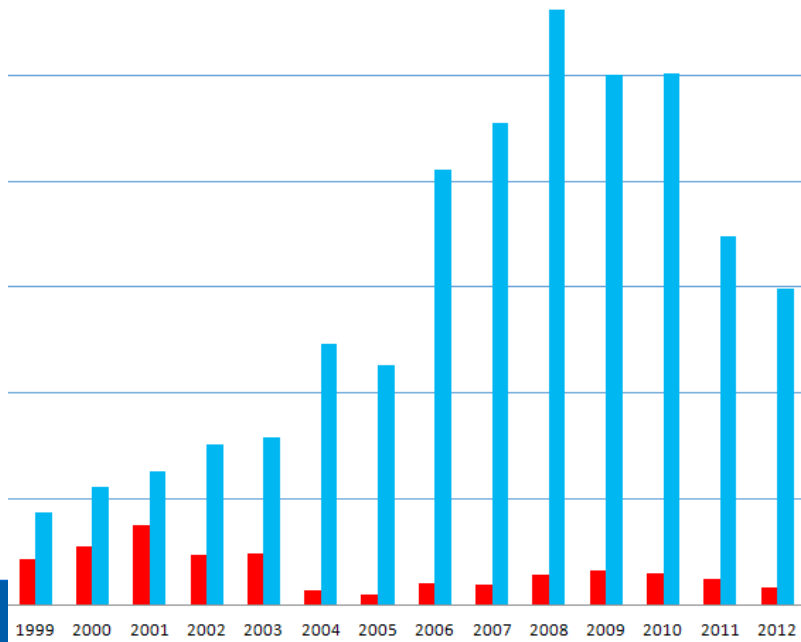


Table 2: Türk Loydu performance
spread over the years in Paris MoU

Since the year 2009, the past Port State Control performance of the ships in Türk Loydu fleet have been assessed according to certain criteria and a Target Ship System has been applied in the purpose of predetermining the possible problems that could be encountered in port state controls. The Target Ship System and the Non-scheduled Survey application which is executed within this framework also continued throughout 2012 and thus it has been ensured that the problems are detected and corrected without problems in the PSC inspections of these ships.

With the close cooperation with the Republic of Turkey Ministry of Transport Maritime Affairs and Communications, participation was encouraged to the Mediterranean Memorandum 2012 Committee Meeting hosted in Turkey in 2012 and to the Black Sea Memorandum 2012 Committee Meeting hosted in Ukraine and close relations made with the Maritime Administrations of the countries that have a coast to the Mediterranean and Black Seas were maintained; and the corporate recognition of Türk Loydu in this area was increased.

Relations with the Flag States

The annual audits that need to be performed each year in accordance with the delegation of authority agreement with the Republic of Ministry of Transport, Maritime Affairs and Communication took place on the date of December 27th this year.

In June, Ilker KARPUZ, the Marine Industry Head of Division, and Süphan PEKGÜN, External Affairs Coordinator visited the Spanish Maritime Administration and negotiated with the authorities regarding the introduction of Türk Loydu and possible cooperation.

At the beginning of November, Türk Loydu Representatives consisting of our General Manager Salim Özpak, Marine Industry Head of Division Ilker KARPUZ, and External Affairs Coordinator Süphan PEKGÜN visited Azerbaijan and had highly constructive negotiations with the State Maritime Administrative Vice Presidents Captain Shahlar Mammadov, Captain Ethiram Rahimov and Ship Registration Head of Office Captain Rasul Hasonov. It was decided after this visit that Türk Loydu will actively be in Azerbaijan and that start physically operating in this country by opening an agency office.

An agreement was reached as a result of the negotiations with the Moldovan Maritime Administration and the survey and certification activities have been commenced on behalf of the Flag State starting from August 2012 on a case-by-case basis.

20.11.2012 – Meeting with Rio BERNARDINO, head auditor of EMSA.

As a result of its audits, the Slovakian Maritime Administration suggested on 27.01.2010 to the EU Commission that Türk Loydu should be recognized by the EU as Recognized Organization (RO). After a long interval, the EU Commission instructed EMSA to audit Türk Loydu. In this regard, Mr. Rio BERNARDINO, head auditor for EMSA visited our establishment on 21.11.2012 and the auditing date was decided to be between the dates of February 5th – 8th.



Relations with Other Classification Societies

Türk Loydu successfully concluded the first step regarding the International Association of Classification Societies (IACS) membership; and upon our application dated September 30th 2010, it was determined that Türk Loydu fully met the required criteria and the IACS Counsel Decision (Classification Society Status Decision) stating that the "Classification Society Statute" has been confirmed; and it has been notified to our establishment with the letter dated January 14th 2011 of the IACS Secretariat.

20.03.2012 – IACS Preliminary Audit

A pre-audit was realized between the dates of March 20th – 23rd by the SGS Company within the scope of preliminary works for the audits for the technical requirements of IACS, QSCS (Quality System Certification Scheme) which is amongst the goals of Türk Loydu. This work provided significant contributions for the audits planned for January 2013.

The urgent survey needs at the Northern Black Sea of Türk Loydu classed ships throughout 2012 within the scope of the relations maintained within the framework of the current mutual cooperation agreement with the Russian classification society Russian Maritime Register of Shipping have been provided on behalf of Türk Loydu by the exclusive surveyors of the Russian Maritime Register of Shipping.

International Activities

A group of 20 international students who are studying for their master's degree in the Maritime Safety and Environmental Management Division at the World Maritime University which was founded in Malmö of Sweden by the International Maritime Organization which is one of the expert associations of the United Nations visited our Establishment on Wednesday February 28th 2012 along with 2 academic members. They attended to a presentation about the activities of our establishment. On the same day, the Rector of the university, Professor Björn Kjerfve visited our establishment and exchanged opinions with the Head of our Administrative Board, Prof. Dr. Tamer Yılmaz; our Administrative Board Member Prof. Dr. Mesut Güner, our General Manager Salim Özpak, Marine Industry Head of Division İlker Karpuz, Industrial and Certification Head of Division Ayfer Adıgüzel, Head of Plan Control Division Bülent Duran and External Affairs Coordinator Süphan Pekgün and he was informed about Türk Loydu activities.

01.06.2012 - Türk Loydu Romanian Commercial Agency Office started operating.

Representation agreement was signed with the M.N.G. company that will undertake the activities of introducing Türk Loydu to the Romanian - Bulgarian regions.

Türk Loydu Azerbaijan Commercial Agency Opened

Constructive negotiations were made with the Azerbaijani Maritime Administration authorities and the Maritime companies during the visits done within November and as a result of the evaluations, Türk Loydu decided to open a commercial agency office in the capital city Baku of Azerbaijan.

With the commercial representation agreement signed on December 14th 2012, Zamin Aliyev who graduated from the Faculty of Naval Architecture and Marine Engineering of the Istanbul Technical University started operations as the Azerbaijani representative of Türk Loydu.

Visit to Iran

Negotiations were made on the dates of September 24th – 25th 2012 with the YK President General Manager and the Head of Marine Industry Division and the Iranian State tanker company NITC (National Iranian Tanker Company) and ROD Ship Management Company, the Operator Company of the Iranian State Dry Cargo company IRISL.



Azerbaijan

Participation was ensured to the forum which lasted 3 days with the Marine Head of Division upon the invitation of Caspian Engineering Society CAS (Azerbaijani Association of Engineers) in Azerbaijan between the dates of November 23rd – 25th 2012 and negotiations were done with the maritime companies that worked there.



New Building Ships Under The Classification of Türk Loydu

24 various new building agreements have been made in 2012. 21 of these are civil purpose and 3 of them are military ships. The civil ships: are agreements of 7 Tugboats, 1 Surveying Ship, 5 Passenger Motors, 1 Dredger, 2 Barges, 1 Service Boat, 1 Sea-cleaner Ship, 1 High Speed Sea Bus and 2 Dredgers. The certification of 6 newly built Passenger Motors, 8 Towboats, 1 Float, 1 Tanker, 1 Barge and 1 Dredger was realized within 2012. Also in 2012, amendment agreement of 21 classified and non-classified ships was made and 7 of them were completed.

The classification survey of 16 New Type Patrol Boats that are being built in the Dearsan Shipyard on behalf of the Undersecretariat for Defense Industries (UDI) continues. In this scope, 4 ships were completed and delivered in 2011 and another 4 in 2012. The sea trials of the 9th Ship are still ongoing. In addition, 2 ships are at the stage of various constructions in the sea and 4 on the land.

The construction of 8 LCT (Land Craft Tank) Landing Craft Ship has been completed in the Anadolu Shipyard. 1 ship was completed in 2011 and 7 others in 2012.

Moreover, the classification agreement of 2 LSTs (Landing Ship Tank/Amphibian Landing Craft Ship) which will be built at the Anadolu Shipyard and whose classification services will be provided by Türk Loydu; and it is expected that they will start to be built within 2013.

The constructions of 1 MOSHIP (Submarine Rescue Ship) and 2 KURYED (Rescue and Backup Ship) and 1 Seismic Survey Ship continue at the Istanbul Shipyard.

The newly construction of the Wound Defense Training Simulator which is a special project of UDI is about to be completed.

The construction of 2 (Patrol Boats) of the 6 Patrol Boats and 1 LCM (Landing Craft Mechanized) which were agreed to be newly built abroad has been completed and the construction of the other's are ongoing.



Material, Product and Company Certification

Apart from a product-based certification in the products and material used in the ships building under the classification of Türk Loydu, the Type Approval Certification is increasing both in Turkey and abroad.

The EU foreign companies of WARTSILA, DOOSAN Infracore Co. Ltd., SCANIA CV AB, MITSUBISHI Heavy Industries Ltd., manufacturers of main shipping machines; MARELLI, electric motor manufacturers; WITZENMANN GmbH, manufacturer of compensators; ROTORK CONTROLS LTD., manufacturer of actuators; DRIVERTRAIN SWEEDEN, manufacturer of turbochargers have been certificated with the completion of Type Approval works.

The certification works of the domestic companies of ERMAKSAN, manufacturer of fenders; HÜROĞLU, manufacturer of seats; BAKERİŞ, manufacturer of electric fittings; EAE A.S., manufacturer of booths for electrical equipment; MARSİS DIŞ TİCARET, manufacturer of fire nozzles; MERCAN GEMİCİLİK A.S., manufacturer of fireproof panels; ALTIN ÇİPA, manufacturer of zinc anodes; ESKİM A.S., manufacturer of polyester resin; and ELVİN TEKSTİL A.S., manufacturer of fireproof fabric have been completed and Type Approval Certificate has been issued.

The number of those who received "Certified Service Provider Company" from Türk Loydu has reached 62 regarding the issue of thickness measurement, fire prevention systems, underwater surveys and communication equipment by regularly maintaining the activities of the service providers approved by Türk Loydu in the sector.

10 certifications has been done in total, 7 for boats and 3 for component products within the scope of the Recreational Craft Directive for which we are Notified Body.





Türk Loydu Ships in Service

110 Ships transfer of class (TOC) were done in total in 2012 and 23 of those were from IDO (Sea Bus of Istanbul) transferred to Private Sector.



Software Projects Developed by 2012 Marine Division and IT Directorate

- Marine project survey reporting system – Oracle

The “ marine project survey reporting” module which works integrated with the Oracle ERP system, where the survey processes are monitored and which includes quality control, electronic approval and electronic control lists.

Oracle Uygulamasın

Çalışma Güncelleme Gözetim Yönetim Erişim Yardım

ALL SR SR Detail Recommendations Certificates Regulatory Information Reports

Vessel Name TI No ERP Project No Owner Name

My Open SR s

My ALL SR s

count SR 92

| SR No | Vessel Name | TI No | Project Number | Date | Status | Approve Date | Approved By | Project Manager | Offline |
|-------|-------------------|--------|----------------|------------|-------------|--------------|-------------|-----------------|---------|
| 27 | ATATÜRK | G-0392 | 13-0278 | 11-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 13 | KUŞADASI-D | G-0958 | 13-0274 | 11-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 10 | KOCABAŞ-1 | G-0983 | 13-0273 | 11-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 4 | SELUS | G-1853 | 13-0271 | 11-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 15 | JINAN | G-1617 | 13-0268 | 09-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 8 | A. İBRAHİM KAPTAN | G-1286 | 13-0270 | 09-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 28 | BARBAROS-II | G-0427 | 13-0266 | 07-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 25 | MELEK | G-1087 | 13-0262 | 06-02-2013 | In Progress | | Bozkurt MAM | Bozkurt MAMA | |
| 8 | MY JASMIN | G-1887 | 13-0258 | 06-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 1 | PIPER | T-2207 | 13-0241 | 03-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 7 | HİCRİ KAN | G-1974 | 13-0240 | 03-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 16 | EREN TURGUT | G-1692 | 13-0239 | 02-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 7 | PORT AKDENİZ-1 | G-1193 | 13-0236 | 01-02-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 19 | APRİNİ | G-1061 | 13-0232 | 31-01-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |
| 28 | OKMEYDANI | G-0407 | 13-0225 | 31-01-2013 | In Progress | | Şafak ÖZERG | Şafak ÖZERG | |

off line detail

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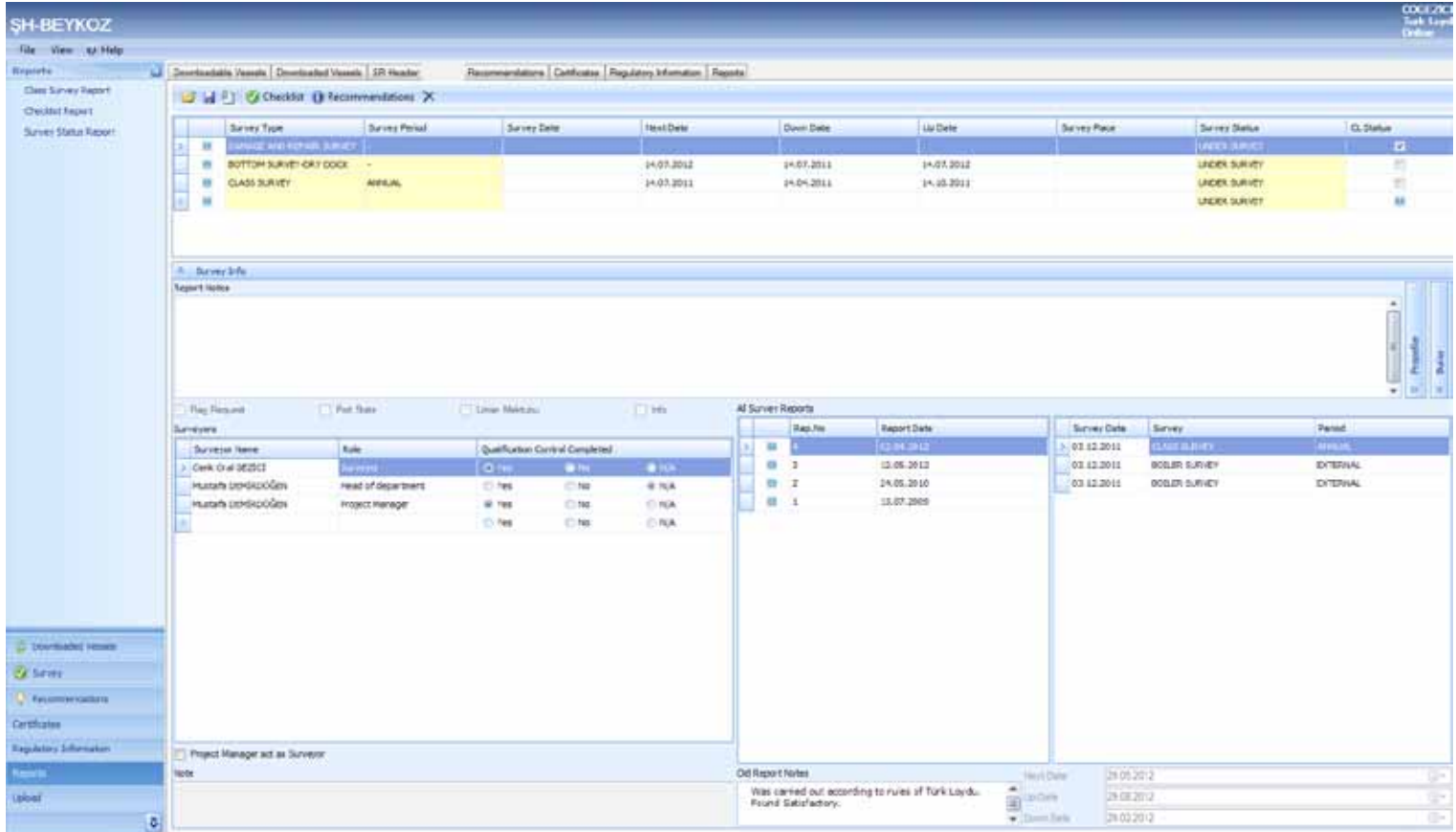
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- Offline marine project module

The online survey monitoring .NET based software that works integrated with the ORACLE system where main processes are monitored in terms of allowing the staff in the field to fill out survey reporting and control list in environments without an internet connection been activated. The main goal of this application is based on the surveyor downloading all survey request details regarding the survey that he will carry out on the oracle ERP main system before going on the field to his computer, process all survey details in electronic environment without an internet connection with the application that works on the computer on the field, and synchronize these data to the main Oracle ERP system once he reconnects to the office.



SVEP- Türk Loydu Surveyor Qualification and Training Program

44 trainings were organized within 2012 toward the Türk Loydu surveyors within the scope of SVEP – Türk Loydu Surveyor Qualification and Training Program. The total duration of the trainings were 60 days and participation was ensured as 330 man x day in total.

Apart from the trainings organized for the surveyors, participation was ensured for the training related to the Inspection of Marine Accidents organized by the Republic of Turkey Ministry of Transport, Maritime Affairs and Communications, Sea and Inland Regulation Directorate between the dates of March 1st – 2nd.

Our office and field staff received trainings once more in May and June 2012 concerning the Technical and Legal aspect of the issue of Occupational Health and Safety.

Our technical staff received Ship Demolition and HAZMAT Inventory technical and applicative training regarding the hot issue of the maritime sector which is Ship Demolition between the dates of November 19th – 22nd 2012 from the Strathclyde University and the company Lucion Environmental.



Participation was ensured to the MLC 2006 Panel, which was organized by the Republic of Turkey Ministry of Transport, Maritime Affairs and Communications, Sea and Inland Regulation Directorate in Türk Loydu and which the Ministry of Transport, Maritime Affairs and Communications, Sea and Inland Regulation Directorate, İMEAK Maritime Trade Chamber and the Turkish Sailors Association participated with their presentations, with the issue of MLC 2006 in terms of Classification.



PLAN CONTROL AND RESEARCH



**Head of Plan Control and
Research Division
Bülent DURAN**

For the purpose of getting prepared for the IACS and EMSA Audits, all IACS Requirements including UI (Unified Interpretations), UR (Unified Requirements), PR (Procedural Requirements), CSR (Common Structural Rules) and the IACS Recommendations were scanned and their implementation was ensured within 2012. The system enabling the IACS Requirements to be monitored and to be implemented in Türk Loydu Rules before their effective date has been created and efficient utilization of system for implementation of IMO and flag State Requirements to its Rules or application of them was ensured by Türk Loydu.

In this way, it is guaranteed that IMO, flag State and IACS Requirements will be applied by Türk Loydu before their mandatory application dates.

All national and international standards referred to in Türk Loydu Rules have been reviewed in terms of their being up-to-date and the standards that were unavailable or noncurrent were purchased.

Moreover a system was created allowing the standards referred to in Türk Loydu Rules would be systematically monitored from now on.

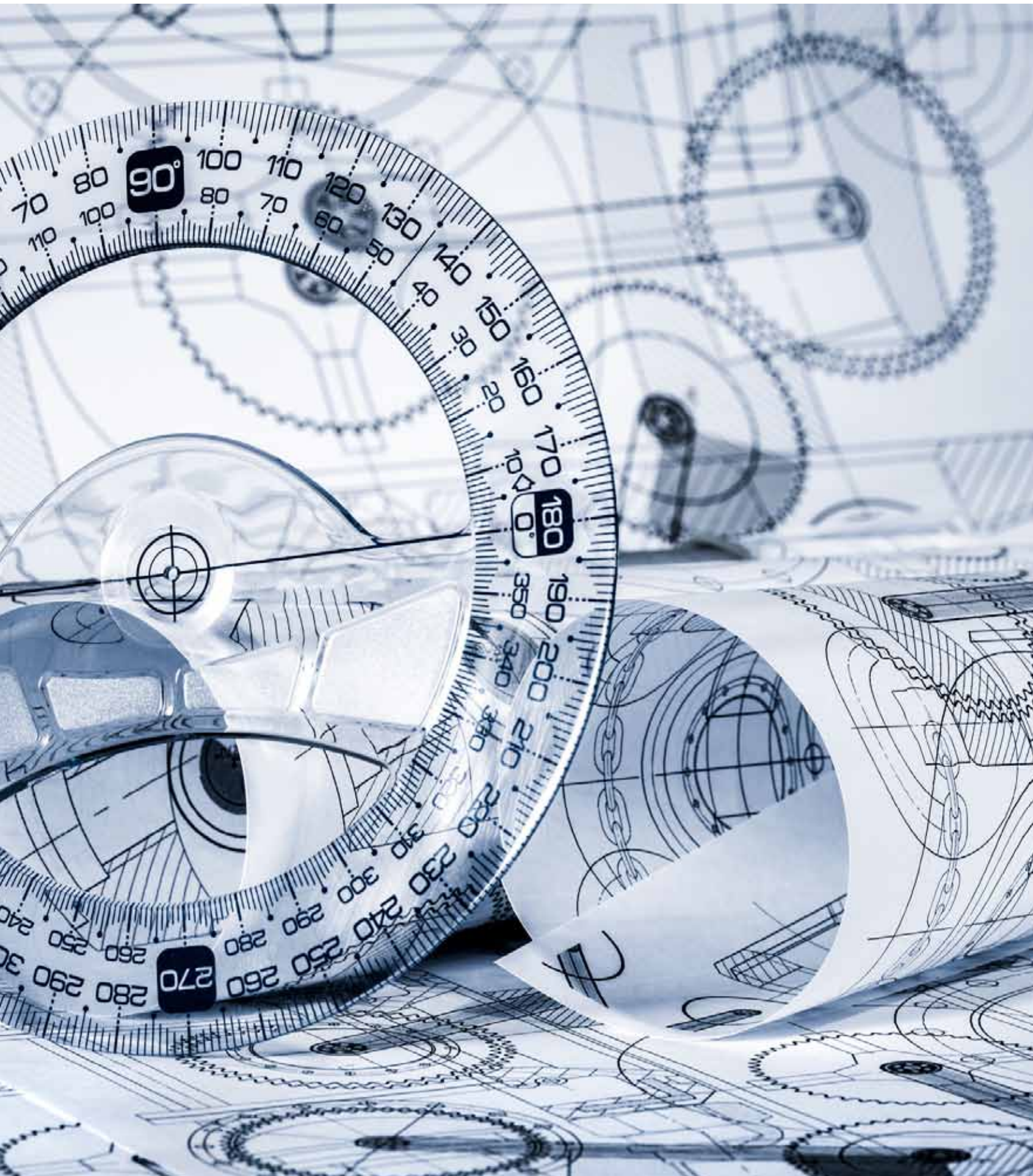
Due to the necessity for essential Classification Rules to be updated at least once a year, Rules for Classification and Surveys, Hull, Material, Welding, Machinery, Automation, Electrical Installations, Escort Tugs, Fire Fighting Ships, Chemical Tankers, High Speed Crafts, Liquefied Gas Tankers, Construction of Polar Class Ships, Navigation Bridge Visibility, Bridge Arrangement and Equipment have been updated.

In addition, "Environmental Protection Systems, MARPOL Annex VI and Nox Technical Code, Survey and Certification Rules on Energy Efficiency of ships" have been published within the year.

In order to support Research and Rule Development Activities, protocols have been signed with Istanbul Technical University Faculty of Naval Architecture and Ocean Engineering and with Yıldız Technical University Faculty of Naval Architecture and Maritime.

Our works for the first fully equipped 3D seismic research vessel which will be built for MTA General Directorate have commenced within 2012 and are still in progress. Moreover, the project approval process is ongoing for the MOSHIP and KURYED projects whose block assemblies on slipway are continuing at Istanbul Shipyard.

The LCT project consisting of 8 Ships was assigned class with Türk Loydu within 2012 and all activities within the scope of the agreement have been successfully completed. 8th of the YTKB PROJECT consisting of 16 Ships was assigned class with Türk Loydu and delivered at the end of the year 2012. Surveys are being held for the remaining ships.



Seismic Research Vessel

In regard to the need of MTA General Directorate, the Seismic Research Vessel capable of conducting geophysical, geological, geotechnical, bathymetrical, oceanographic, hydroacoustic researches and gathering samples for research projects of earthquakes, general geology, applicative geology, environmental geology and other scientific fields regarding geonics with its 2D/3D seismic research capacity will be constructed under the supervision of Türk Loydu at Istanbul Shipyard. By signing the agreement with Istanbul Shipyard in November 2012, Türk Loydu is rightfully proud of contributing to such a project.



Fleet Replenishment Ship

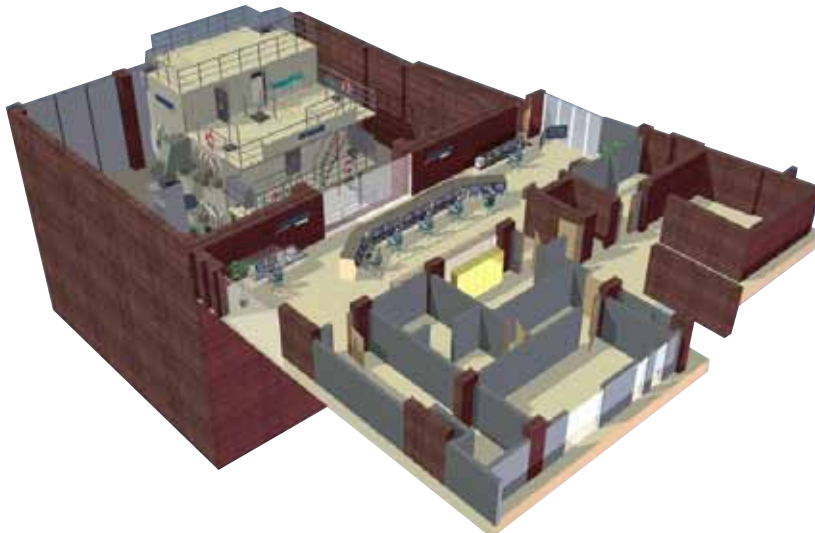
In regard to the need of Turkish Naval Forces, SSM (Undersecretariat for Defence Industries) has assigned STM Company (Engineering for Defence Technologies) for the performance of concept design work of Fleet Replenishment Ship which is the first step of the construction of the Fleet Replenishment Ship that is capable of swiftly replenishing naval units water and fuel including helicopter fuel by method of replenishment over sea, meeting the oil and water replenishment needs of combat troops near combat zones, replenishment of fuel tanks and carrying out fuel transfer between fuel tanks. Türk Loydu has commenced preliminary works for assessment of the conformity of the design to its Rules.



Damage Control Simulator

Damage Control Simulator has been considered necessary for supporting of Fire Fighting and Damage Control trainings with simulators given hypothetically on surface ships of Turkish Naval Forces.

Strength analysis calculation controls have been completed by using finite element method and surveys are almost completed. The simulator will be certified by Türk Loydu within the year 2013 and will be delivered to Turkish Naval Forces.



LCT Project

The project consisting of 8 Ships was assigned class with Türk Loydu within the year 2012 and all activities within the scope of agreement have successfully been completed. The final deliveries of the ships will begin in the first half of 2013 at ADIK Shipyard.



YTKB Project

8th of the project consisting of 16 Ships was assigned class with Türk Loydu and delivered at the end of the year 2012. Surveys are being held for remaining ships. First four ships have been delivered by Dearsan Shipyard.

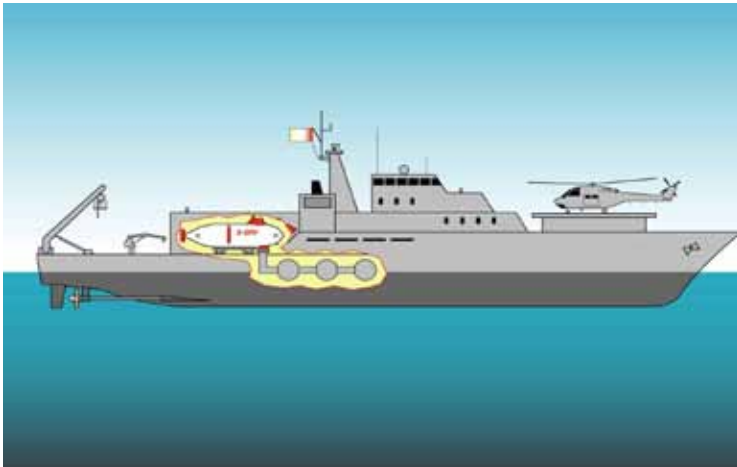


MOSHIP and KURYED Ships

The project controls and surveys of the MOSHIP (Submarine Rescue Mother Ship) and KURYED Projects are continuing whose block assemblies on slipway are ongoing at Istanbul Shipyard.



SABOS (Constant Pressure Room System) Certification which is issued for both of MOSHIP and KURYED Projects and realized for the first time in Turkey is performed by Türk Loydu.



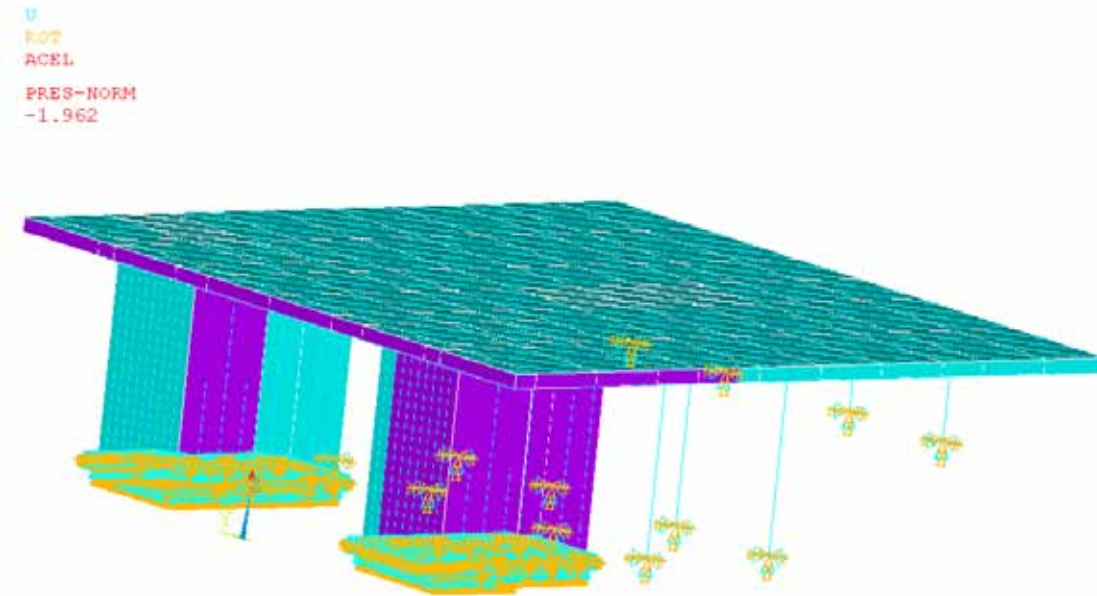
LST Project

Negotiations about the project whose agreement has been made with ADIK Shipyard are continuing. Construction of LST is envisaged to commence within the year 2013.



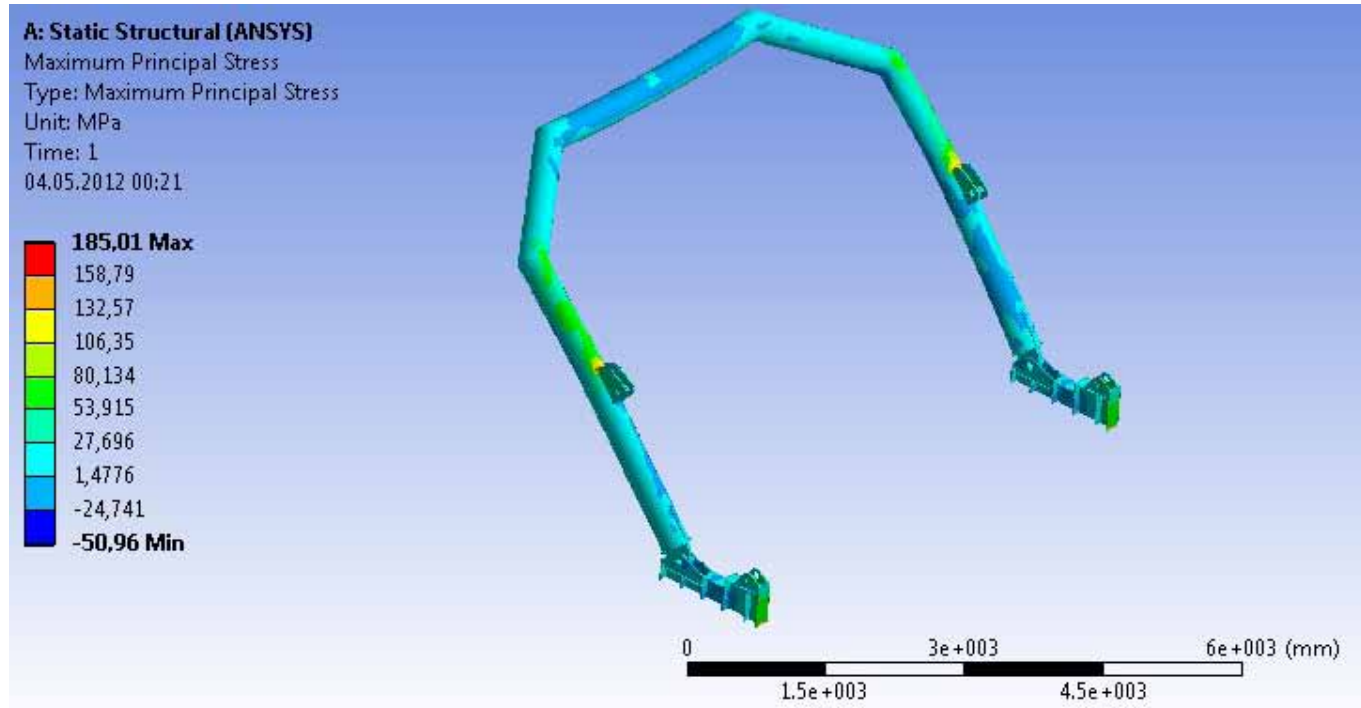
Control Of FEM Analyses Of MOSHIP Helicopter Deck 2012

FEM analyses of MOSHIP Helicopter Deck performed by FIGES have been controlled by Türk Loydu.



Control Of FEM Analyses Of A-frame "Tüb itak Mam"

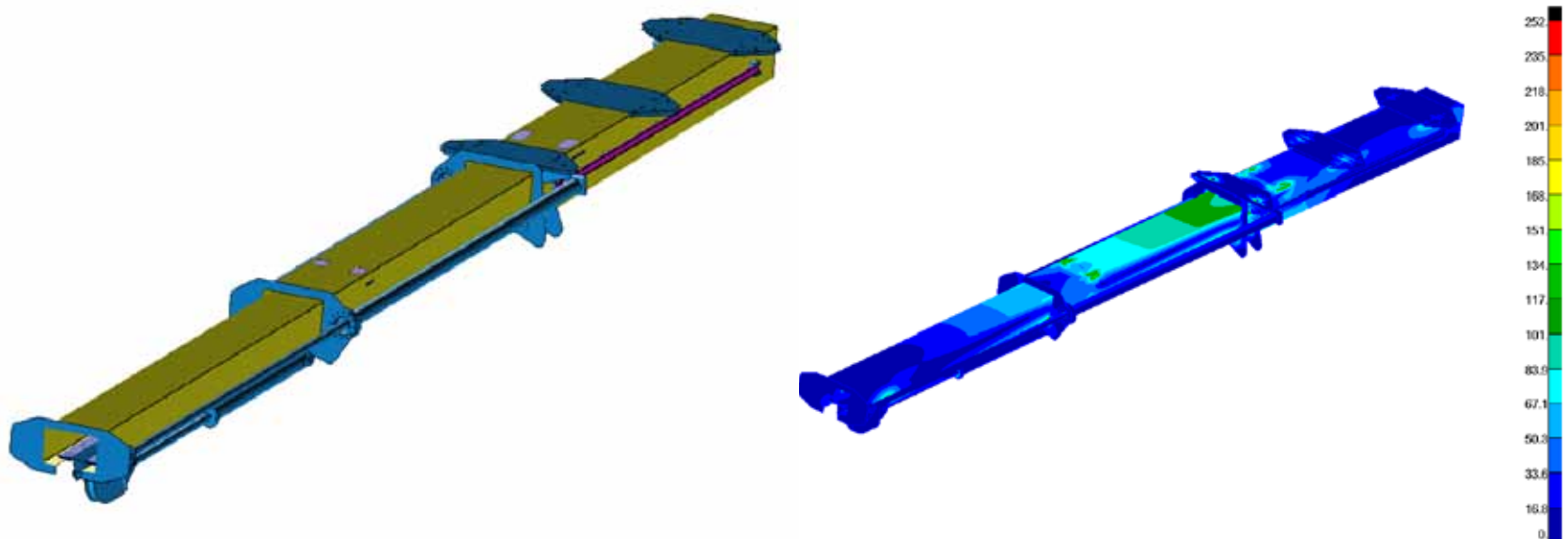
FEM analyses of Tübitak A-Frame structure is being controlled by Türk Loydu.



A-Frame "Tübitak Mam" FEM Control

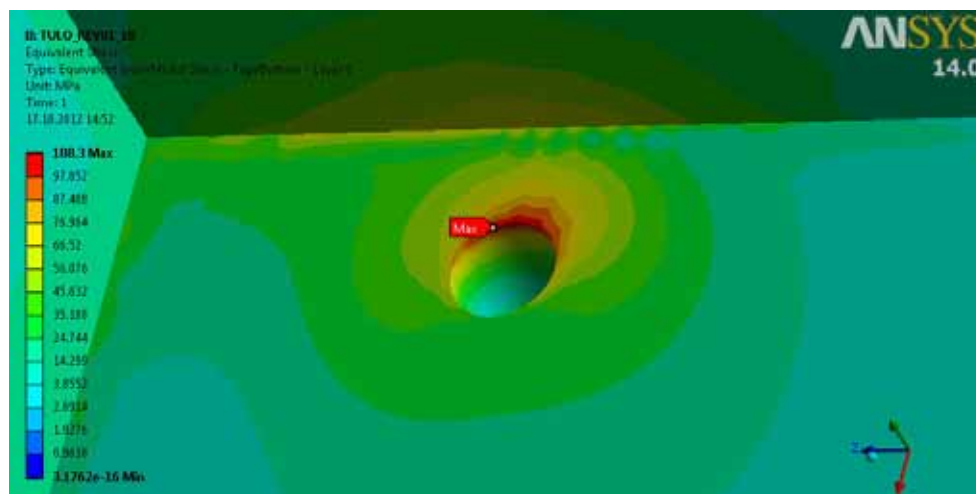
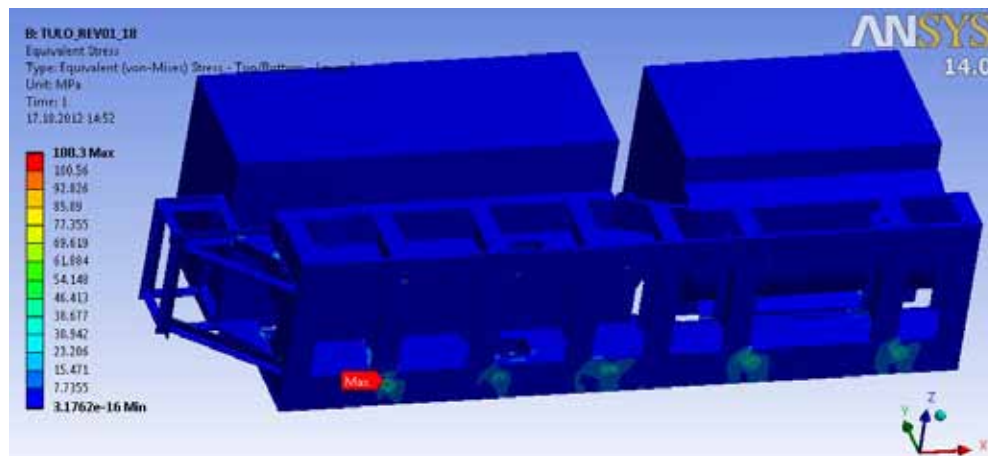
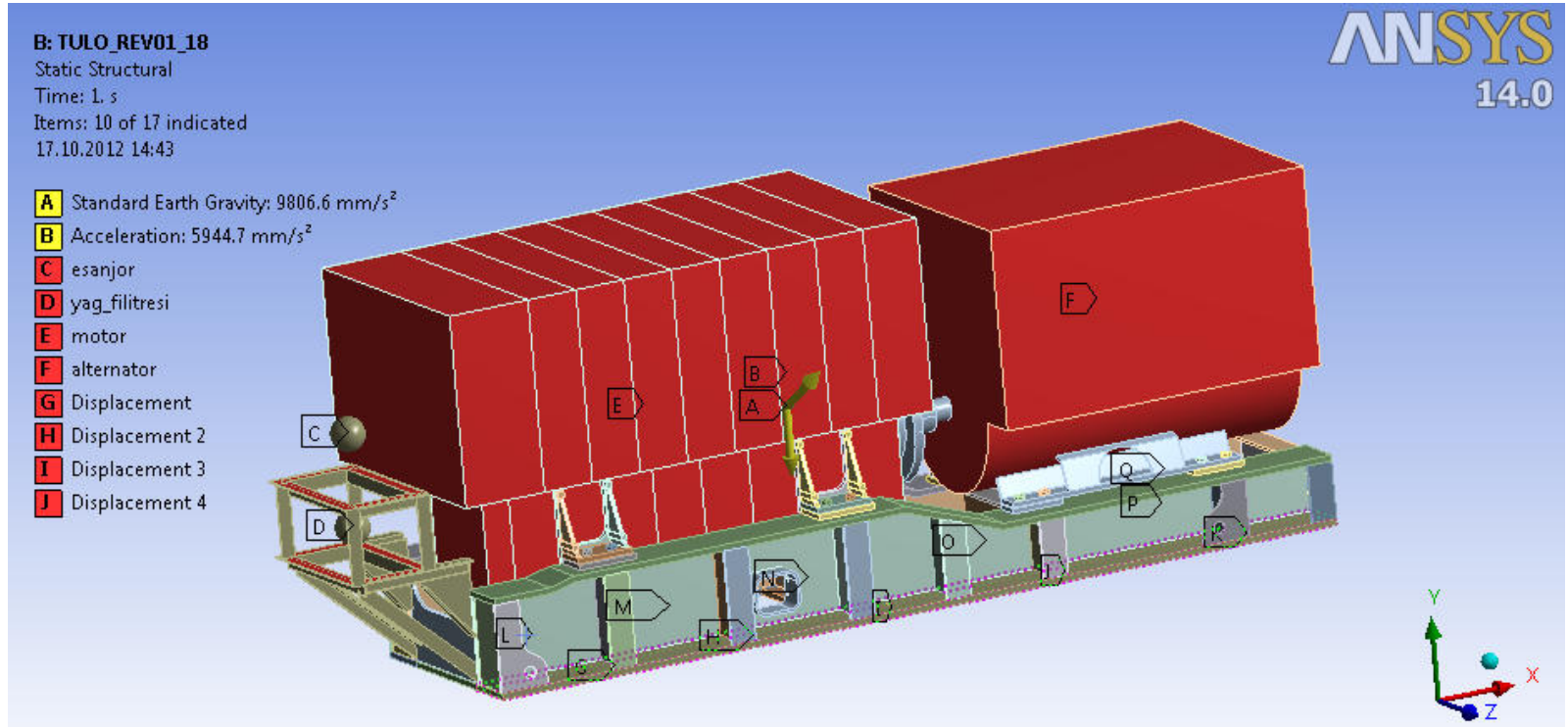
Control Of FEM Analyses Of MILGEM Davit

The FEM analyses of the MILGEM davit carried out by SimuTech have been controlled by Türk Loydu. Moreover Türk Loydu has created its own model and made comparisons.



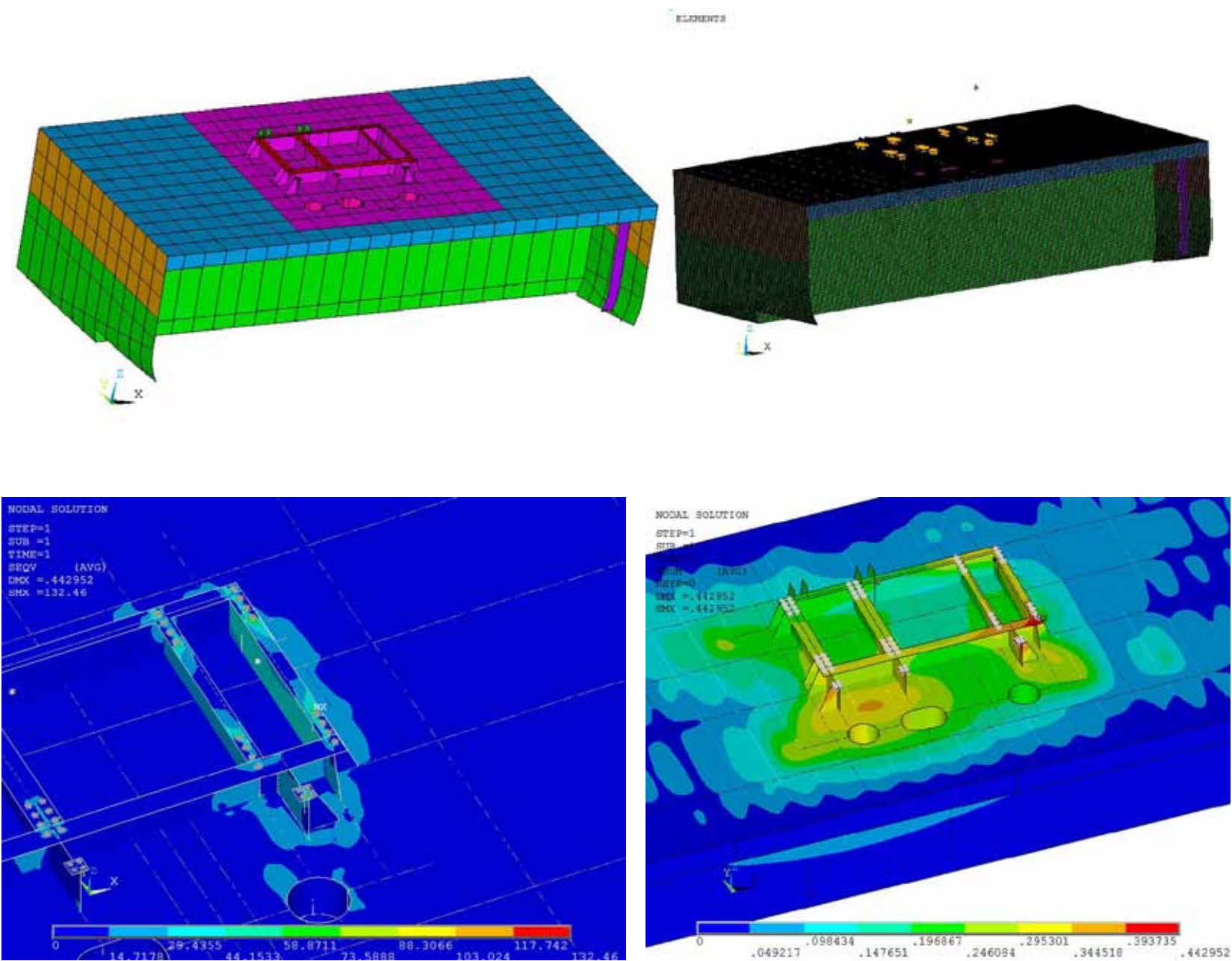
Analyses Of Tülomsas Generator Foundation

Static analyses of the foundations to which the generator is mounted have been carried out for the generator to be able to be operated safely under various loads.



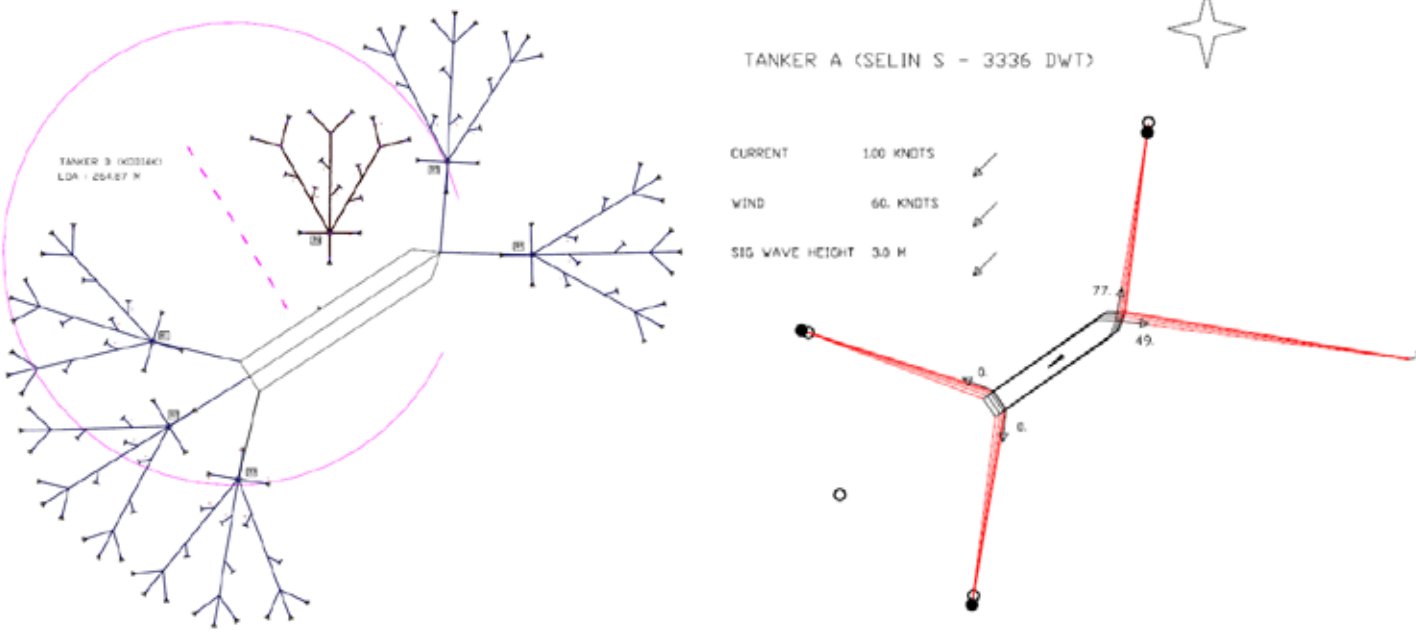
Analysis Of KURYED Pulling Winch Foundation

Static strength analyses of the KURYED pulling winch have been carried out in coordination with FIGES Company.



Calculations Of Multi-point Mooring Systems

The tonnage and dimensions of the tankers that could safely employ mooring system and wind, wave and current conditions under which these ships could employ the mooring system safely have been assessed. Ship manoeuvre simulation software has been employed that is capable of simultaneously or acceleratingly simulating behaviour of four types of ships that are moored from different points under the stated wind, wave and current conditions.

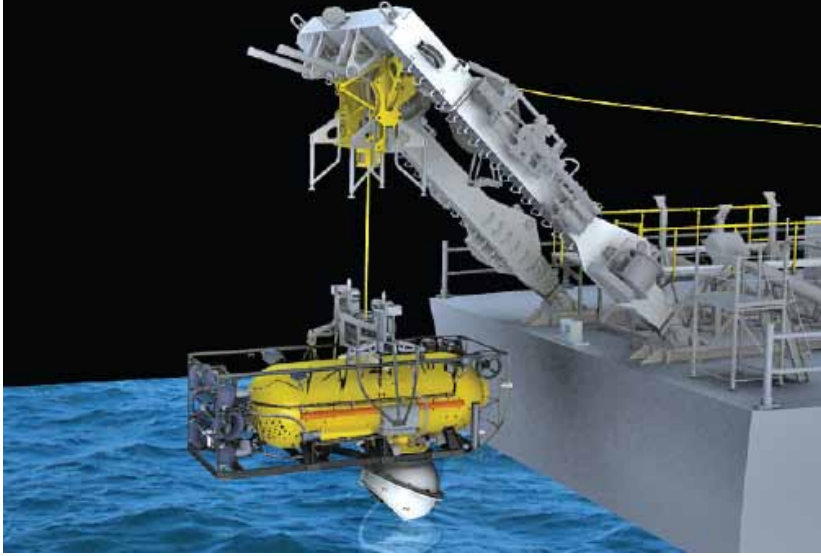


Pressured Air And Mixed Gas Breathing Diving and Decompression Systems

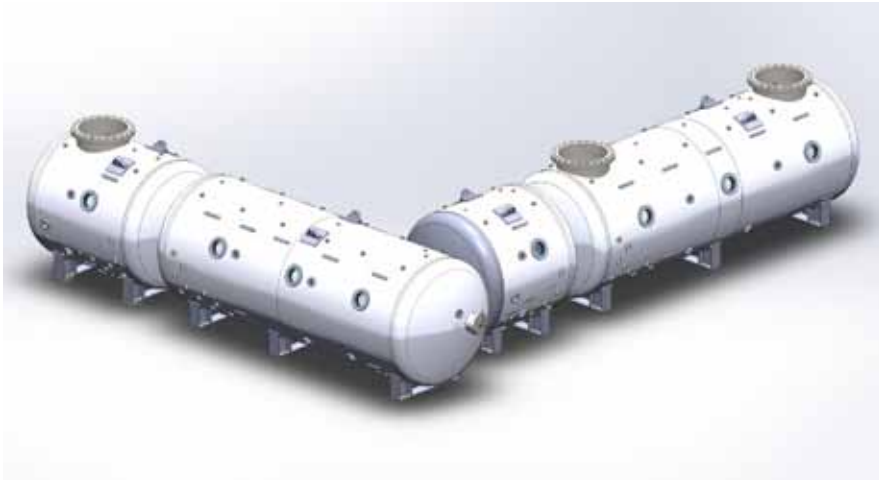
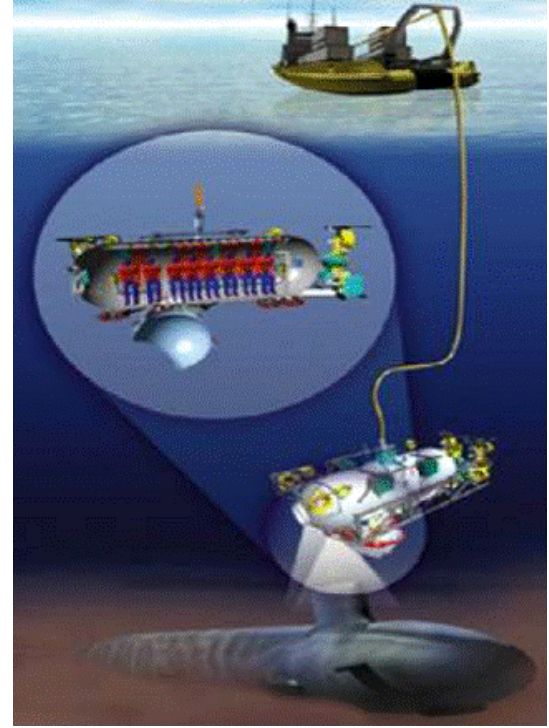
The calculations of design and capacity associated with specifying air and gas needs of the systems designed by Aykor A.S – Ocean Works and belonging to KURYED and MOSHIP Ships to be employed for operations of ventilation and decompression of the submarines marooned in the dept up to 600m and rescue and taking of the staff on board within pressurized medium, the application of the necessary treatments in the facility of hyperbaric decompression and treatment (SABOS) mounted on the support ship; determination air and other gas needs of systems to be employed for diversions carried out by rescue personnel breathing pressured air up to 60 and by breathing He-O up to 110 m depth have been controlled according to the standards of NATO ATP 57(B) Submarine Search and Rescue Manual, and US Navy Dive Manual.



Diving Chamber Hyperbaric Pressure Units



Controls of the design and calculation of diving chamber hyperbaric pressure units of MOSHIP and KURYED ships operating under design pressure of 11.25 bars carrying 42 personnel and being constructed by Baroks Pressure Technologies Company have been carried out.



Main Propulsion Systems, CP Propellers

Design controls of hydraulic control and lubrication system designed by Rolls – Royce / KaMe Wa of controllable pitch propellers belonging to KURYED Submarine Rescue and Towing Ships have been carried out.



Main Propulsion Systems VSP 28 R5/234-2 With Schneider Propeller

VSP 28 R5/234-2 which is main propulsion system designed by VOITH TURBO SCHNEIDER PROPULSION GmbH & Co. KG of two tugboats of 55 BP belonging to BOTAS.



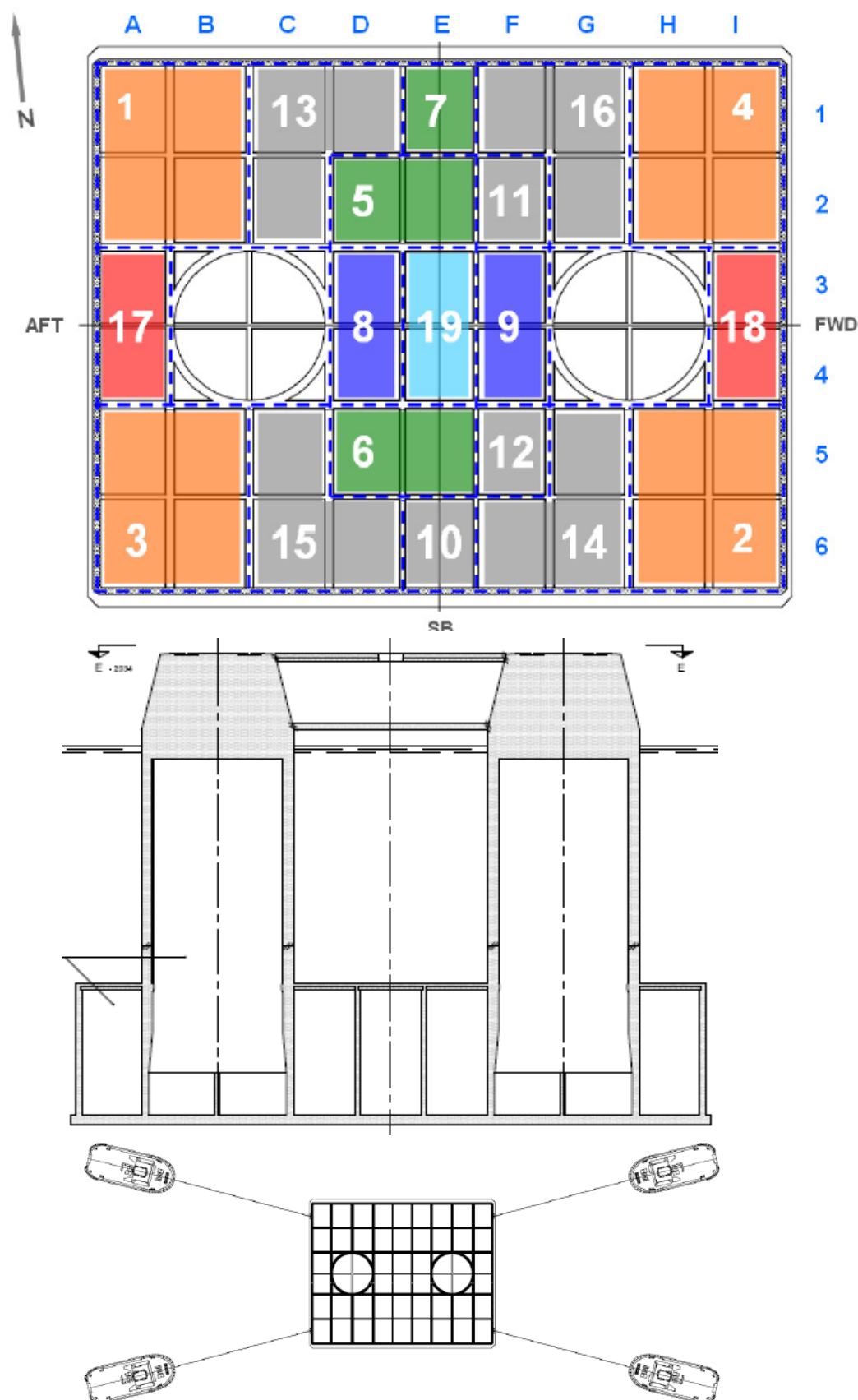
55 Tonne Pulling Winch



The design and calculation controls of the pulling winch to be employed in BOTAS 55 BP tugboats with maximum towing force of 55 tons at 1st line, brake lag load of 137.5 Tons, interval of two speed winch range 0 – 15 (m/min) / 0 – 45 (m/min) have been carried out by Data Hydraulic Makine Sanayi A.S. Company.

Control Of Ballast, Vent Pipe, Overflow Systems Of STFA Izmit Bridge Caissons

The control of the ballast, vent pipe and overflow systems of the caissons of the İzmit Bridge to be constructed by the STFA group has been carried out in concept design, basic design and detail design stages.



Sectoral Information Activities Associated With Rule Changes For Ships, Newsletter And IMO Summary Reports

By following national and international requirements concerning maritime, Türk Loydu provides necessary information to maritime industry as "Informative Newsletters" and "IMO Summary Reports" both in English and in Turkish right after the rules are created.

Regular participation of Türk Loydu technical sta and experts supported by Türk Loydu to the IMO meetings is ensured and also the created rules to the Turkish Maritime Industry are shared during the meetings conducted on a regular basis.

In this scope, the MSC and MEPC committees and DE, FP, FSI and SLF subcommittees are followed with direct participation and the maritime industry is notified with "IMO Summary Reports" format with the published summary reports. Moreover by Informative Newsletter format prepared for specific issues, both significant rules are reminded and technical details related to rules are revealed.

As demanded by maritime industry, the "Sample Garbage Management Plan" has been prepared in compliance with the "Sample Ship-to-Ship Transfer Plan", the "guide to Preparing Ship Energy Efficiency Plan" and with the revised MARPOL Annex V rules in 2012. The "Sample Garbage Management Plan" has been published on Türk Loydu Website.

The Informative Newsletters and IMO Summary Reports published on the Türk Loydu Website in 2012 are listed below:

| | |
|--|------------|
| Türk Loydu Informative Newsletter 07-2012 | |
| List of IMO Rules implemented as of January 1st 2011 | 28.12.2012 |
| Türk Loydu Informative Newsletter 06-2012 | |
| List of IMO Rule Amendments to be implemented as of January 1st 2013 | 20.12.2012 |
| Türk Loydu Informative Newsletter 05-2012 | |
| Sample Garbage Management Plan | 12.11.2012 |
| Türk Loydu Informative Newsletter 04-2012 | |
| Intensive Audit Campaign to be done within the Scope of Fire Safety | |
| Guide regarding Question List | 31.07.2012 |
| Türk Loydu Informative Newsletter 03-2012 | |
| Ship Energy Efficiency Management Plan | 26.07.2012 |
| Türk Loydu Informative Newsletter 02-2012 | |
| Applications regarding the Prohibition of Asbestos | 03.07.2012 |
| Türk Loydu Informative Newsletter 01-2012 | |
| SOLAS Rule Amendments to be implemented on July 1st 2012 | 13.06.2012 |

Summary Reports;

EE-WG 2
SLF 54
DE 56
MSC 90
MEPC 63
MEPC 64



Türk Loydu Rules

Türk Loydu Rules are updated by taking into account the regulations such as new regulations regarding amendments in national and international rules, developed standards, technological developments, efficiency, environmental safety, occupational safety and worker health and new rules are published.

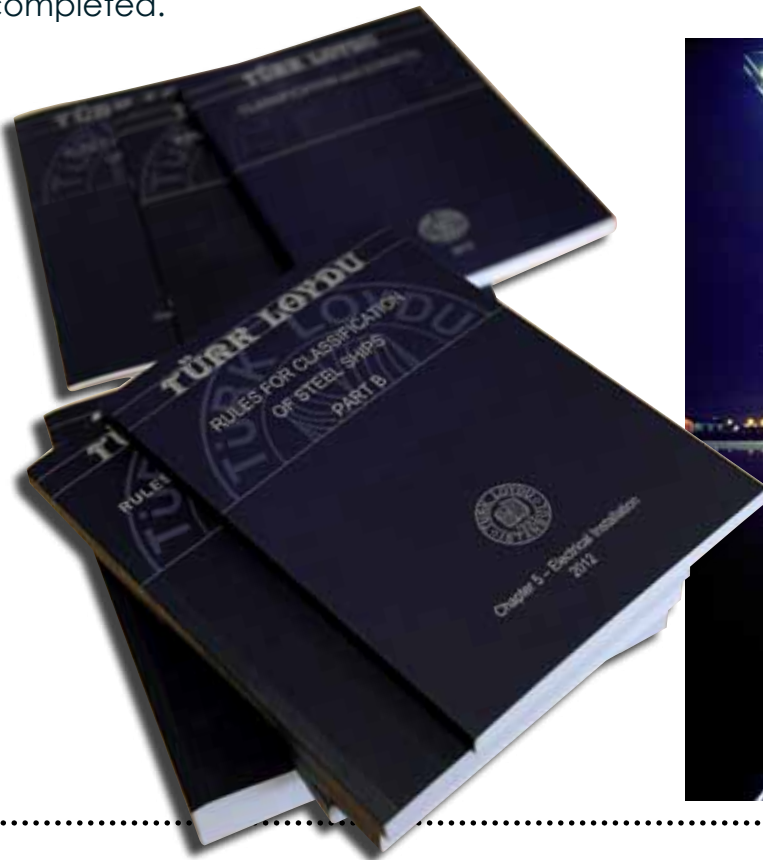
In 2012, the rules:

- Classification and Surveys
- Chapter 1 – Hull
- Chapter 2 – Material
- Chapter 3 – Welding
- Chapter 4 – Machinery
- Chapter 4-1 – Automation
- Chapter 5 – Electrical Installation
- Chapter 11- Fire Fighting Ships
- Chapter 13 – Escort Tugs
- Chapter 76 – Environmental Service System
- Shipbuilding and Repair Quality Standards
- Permissible Thickness Reductions
- MARPOL Annex VI and NOx Technical Code Applications
- Rules for the Design, Construction and Testing of Pumps guides have been published in English.

In addition, these rules are being prepared to be published in Turkish in 2013.

- Chapter 7 – High Speed Crafts
- Chapter 8 – Chemical Tankers
- Chapter 21 – Navigation Bridge Visibility, Bridge Arrangement and Equipment
- Chapter 25 – Machinery Condition Monitoring
- Chapter 33 – Construction of Polar Class Ships
- Chapter 101 – Naval Ship Technology, Classification and Surveys

Preparations to commence the R&D works of “Evaluation of the Impacts of the Bracket Details on the Boundary Conditions” purpose of which is to support the rule development activities have been completed.



INDUSTRY AND CERTIFICATION



**Head of Industry and
Certification Division
Ayfer ADIGÜZEL**



Having the authorizations and accreditations in the field of conformity assessment which is the basic principle of circulation in international trade in the field of product, system and personnel certification and inspection, Türk Loydu continued to provide quality services in the year 2012 when it celebrates its 50th anniversary.





Our third party inspection services regarding the steel structure manufacturing which is quickly increasing in parallel with the development in the technology in our country that had to face the reality of earthquake in a sad way increased by 100 % compared to 2011 and surpassed 45.000 tons and the projects of Mersin Stadium, Mall of Istanbul, Labraq, Martuba, Tobruq, Ghat and Kufrah airports in Libya, Koru Florya, ASF Antakya Museum Hotel and Sisli Bomonti, particularly the manufacturing and assembly control projects and Haliç Metro Crossing Bridge and Zorlu Center projects ongoing since 2011 are some of our projects realized in 2012.

Türk Loydu which published the rule books regarding the issue of certification of the wind turbines in the field of renewable energy started to offer the service of product certification including design, manufacturing and assembly process in a field which is a first in our country as accredited from TÜRKAK as the product certification body according to the EN 45011 Standard in accordance with the "Regulations regarding the Domestic Manufacturing of the Accessory Used in Plants Producing Electricity Energy from the Renewable Energy Resources" published on Jun 19th 2011 by the Ministry of Energy and Natural Resources.

Our services which are being executed in a wide range with the welding certification accreditation within the scope of ISO 17024 Standard in personnel certification increased by 100 % in 2012 compared to last year and reached 4.208 people.

The inspection and certification services of Türk Loydu regarding the manufacturing and assembly controls of boiler, pressured equipments, storage tanks and lifting equipment that have been continuing for 50 years increasingly and the periodic control of the said products took an important status amongst our activities in accordance with the Statute of Occupational Health and Occupational Safety. Services were continued to be offered in various industrial fields particularly including the ship construction and automotive sector and ports, machine industry, chemical and petrochemical facilities.

The project approval, manufacturing and assembly of fire protection and electrical systems which are crucial in ensuring life, property and environmental safety in

industrial facilities have a great importance in terms of third party inspection services investor and operators. Türk Loydu, as an A-Type inspection body continued to offer services in a quite wide range in industrial facilities and in public domains such as international hotel chains and residences, subways, tunnels...etc. regarding the issue of controlling and certification of the fire protection and electrical systems.

In accordance with the agreement that was renewed accordingly to the chamber accreditation model adapted from European Union of Chambers, the accreditation audits have started on behalf of the Turkish Union of Chambers and Exchange Commodities (TUCEC) in the industrial and trade chambers and exchange commodities affiliated to TUCEC, and our services will continue throughout the year 2013. Accreditation assessment was realized in 2 chambers and improvement visits were realized in 22 chambers and exchange commodities within this scope.

Taking into consideration the investments of 10.000 km of high speed train and 4.000 km of conventional railway line to be built on the railways within the scope of the goals of our country for 2013; cooperation agreement has been made with the Spanish CETREN Company which was granted the authorization of Notified Body from the EU in order to offer superstructure certification and periodic inspection services and activities have begun within this scope. Our goal is to efficiently meet and naturalize the technical auditing and certification services of our country in this field, and also to meet the educational needs of our experienced partner and the public and private sector institutions.

With our representative office that was opened in Baku to operate in Azerbaijan which has a significant potential in the inspection and certification field particularly including chemical and petrochemical investments, steel structure and pipeline projects, we will be able to execute our services also in the neighbouring countries.

Our goal is to improve our service range with our 50-year deep-rooted history, our expertise and the trust without sacrificing our quality and to become widespread in the national and international market. We would like to thank all our customers and shareholders who deemed us trustworthy during this process.

Structural Steel Fabrication Inspection

Zorlu Center Project



The Zorlu Center Project built on an area of 22 thousand square meters on the Zincirlikuyu old highway land has a construction area of 615 thousand 885 square meters and the project which began in August 2010 consists of 18 and 22-story 4 blocks. The Project consists of a Mall, a Trade Center, Residences (584 apartments in total), Hotel and Culture Center (2 thousand 300-person capacity concert hall, and also 750-person capacity theater room).

The Project has a steel manufacturing of 13.000 tons in total and the steel manufacturing manufactured in three subcontractors and the assemble control are being performed by Türk Loydu surveyors in accordance with the EN 1090-2 Standard.

The Inspection and Test Plan (ITP) has been specified for the project before manufacturing and it has been recorded who would execute which control activity when and according to which document in accordance with which standard and where to record the control results during the steel manufacturing and assembly process and these records were based on in the controls.



Haliç Metro Crossing Bridge



The Haliç Metro Crossing for which fabrication inspection service began in March 2010 is being built about 200 meters south of the current Unkapanı Bridge. Bridge length: 963 meters (460 meters above the sea). The system with its railed middle is being built as a bridge with one side open for pedestrians.

The bridge system "skewed suspension cable-stayed" which is being applied in advanced technology bridges over the world has been chosen. There are two pylons (main carrier pillar) in this system. The bridge floors will be carried by being attached to these pylons. There are a total of 4 pillars (including the pylons) in the water section of the bridge.

The project whose main manufacturing code is AWS D1.5 Bridge Welding Code continued throughout 2012 also.

The approval of the 6500-ton steel construction consisting of bridge pillars, decks and walking passages was executed by the Türk Loydu surveyor within the year 2012.

The approval of the 6000-ton steel assembly consisting of 5 bridge pillars, 11 segments, 4 pylons and 20 walking passages was executed by the Türk Loydu surveyor within the year 2012. The completion of the steel structure and assembly is planned to be within 2013.



Mall of İstanbul Project

The Mall of İstanbul Project built on a land of 123 decares in İkitelli İstanbul has a construction area of 762 thousand square meters and consists of 4 blocks of residences, theme park, and office and hotel sections (including 14 movie theaters with 2966-person capacity). The Project received the best mixed use award in 2011 (European Property Awards 2011).

In this Project, the residences consist of 4 blocks (24+26+28+90 floors) having been designed as 1000 apartments and the residence field is 211.000m². And one block have been planned as an office block and will be executed as 26 floors and 54.000 m². The Mall arena in the project is 492.000 m². The Mall area has been named as Nostalgic Project names such as Taksim Senlik (Funfair, spectacle and game zones), Taksim Square, Yıldız Park, Sultan Ahmet Square, Nisantasi Street.

The steel manufacturing in the project is 14.500 tons in total and the steel manufacturing manufactured in five factories and the assembly control are being realized by the Türk Loydu surveyors in accordance with the steel structure specification and EN 1090-2 Standard.

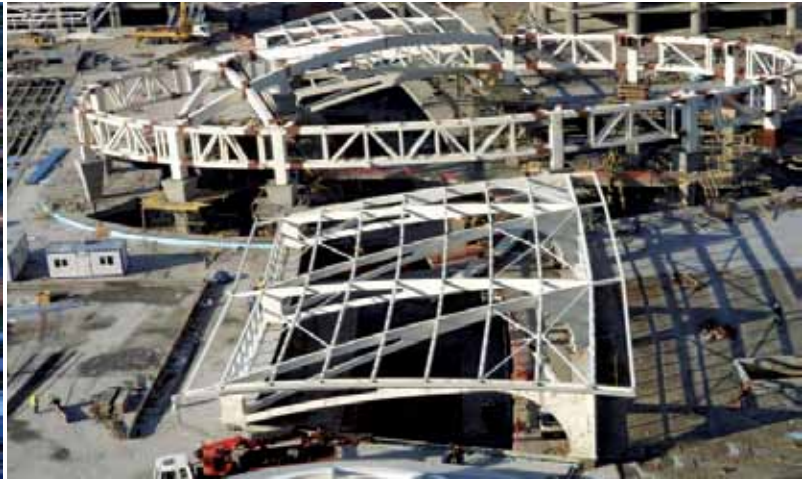
The steel manufacturing of the project was realized 80 % in 2012 and the steel assembly at the rate of 65 %.

Manufacturing consists of in-mall bridge passages, floor steels, roof steels, and residence entrance cornice steels.

The certification of the welders in the project has been done by Türk Loydu in accordance with the EN 287-1 Standard.

The Inspection and Test Plan (ITP) has been specified for the project before manufacturing and it has been recorded who would execute which control activity when and according to which document in accordance with which standard and where to record the control results during the steel manufacturing and assembly process and these records were based on in the controls.

There are five Türk Loydu expert staff members at service at the manufacturing and assembly works that are still ongoing at four factories and sites.



Labraq, Martuba, Tobruq, Ghat and Kufrah Airports Steel Project-LIBYA

In Libya International Airports Buildings construction project whose assembly control service started in August 2012, total 5 airport buildings are constructed in total 5 cities. The international airport buildings projects whose assembly is continued in Labraq, Martuba, Tobruq, Ghat and Kufrah cities are constructed on areas varying between 3000 and 6000 m2. Each airport has yearly average 2 million passenger capacity.

There is total 3850 tons (Labraq 450 tons, Martuba 450 tons, Tobruk 450 tons, Ghat 1250 tons and Kufrah 1250 tons) steel manufacture in the project and the steel manufacture which is manufactured in the

subcontractor and its assembly control are performed by Türk Loydu surveyors in conformity with steel manufacture technical specifications and EN 1090-2 standard.

Before manufacture, Inspection and Test Plan was customized which control activity will be performed by whom in the steel manufacture and assembly process when and according to which standard and the control process was recorded and taken as basis in the controls. Works in relation to steel assembly are performed in 4 different construction sites and assembly controls are continued in Libya.



ASF Antakya Museum Hotel

In the project, which is constructed as a Hotel complex immediately opposite St. Pierre Church in Hatay, top steel is executed in conformity with construction technical specifications and EN 1090-2 standard.

Before Fabrication, Inspection and Test Plan (ITP) was customized which control activity will be performed by whom in the steel manufacture and assembly process when and according to which standard and the control process was recorded and taken as basis in the controls.

The number of personnel who are employed in the project consists of 5 surveyors. 4 of them works in manufacture plants and 1 of them works in the construction site. The first shipment started and the control process was recorded and taken as basis in the controls.

The number of personnel who are employed in the project consists of 5 surveyors. 4 of them works in manufacture plants and 1 of them works in the construction site. The first shipment started in the construction site in September 2012 and 700 tons of material was accepted by Türk Loydu surveyor by the end of the year and the shipment to construction was completed. Moreover, 250 tons steel construction was assembled in 2012. The steel construction manufacture the steel construction and manufacture and assembly is intended to be completed in 2013.

Koru Floria Project

Koru Floria Project which is constructed on 42.266 square meter construction field in Floria Basinköy area has 273.000 square meter construction area and it consists of 4 storey parking garage, 3 storey shopping mall and 7 storey 8 blocks. The buildings for different purposes in the project are shopping mall, trade centre, Residence (total 298 flats).

Koru Floria Project is made by AYDINLI - METAL YAPI -ARKE - VIZYONLIFE consortium. In the project, there is total 3.000 ton steel manufacture and the steel manufacture which is made in Gebze by a

subcontractor and assembly control are made by Türk Loydu surveyors in conformity with the steel construction technical specifications and EN 1090-2 standard. Before Fabrication, Inspection and Test Plan (ITP) was customized which control activity will be performed by whom in the steel manufacture and assembly process when and according to which standard and the control process was recorded and taken as basis in the controls. The assembly of nearly 1100 tons manufacture of the steel construction within the scope of the project has been completed by the end of 2012 and the project is still continued.



Şişli Bomonti Project

It is a project which is developed with a special concept to create an entertainment centre in the city at Europe's biggest hotel with 210.000 m2 closed area, 13.500-person conference centre, 38-storey and 1000-bed and the building restored within the scope of renovating 120 year-old beer plant as the industrial inheritance and gaining it to tourism in Istanbul Sisli-Bomonti region.

In the project, big ball room, small ball room, entry canopy, SPA entrance within 3000 tons steel manufacture part, and manufacture and assembly controls of the trimmer beams at several grades were performed by Türk Loydu surveyors in conformity with EN 1090-2:2008+A1:2012 standard, based on EXC3 building class. Steel construction manufacture and assembly was completed in January 2013.



Mersin Stadium Project

The stadium which is constructed in Yenisehir District of Mersin has total 55 thousand square meter construction area. In the stadium which has 20.6667 audience seats, 3.773 VIP audience seats, 180 protocol seats, there are 914-seat capacity 4.812 square meter lodge. In the stadium which has 34 stairs, 17 lifts, there are 156 parking garages, 1.295-vehicle car park and 46-vehicle bus park.

In Mersin stadium project which is continued, there is total 3.000 tons of steel construction and 80% of the manufacture and 20% of the assembly was completed by the subcontractor company within 2012. Manufacture and assembly control is performed by Türk Loydu surveyors in conformity with steel construction technical specifications and EN 1090-2 standard.



Roketsan Rocket Cradle Manufacture Control Project



Manufacture controls of 2 multiple rocket launcher cradle samples which were manufactured in a manufacturer in Çanakkale Bayramiç on behalf of ROKETSAN company and will be used within the body of Turkish Armed Forces were made in conformity with ITP (including Test and inspection plan) and customer technical specifications. For the welding method approvals which are used in the project, PQR tests based on EN 15614-1 standard, WPS approval based on EN 15609 standard and welders' certification processes based on EN 287-1 were made by Türk Loydu. Non-destructive inspection and the gauge processes made with CMM device were observed by us and the project was completed in October 2012.

Periodical Controls of Offshore Platforms TPAO Offshore Natural Gas Platforms Periodical Control Project

Underwater controls, thickness measurement of foot and cross connection elements, magnetic particle control of welding seams and anode potential measurements were completed Pursuant to the agreement made with TPAO, based on the control periods of Akçakoca platform which was fixed on the offshore site with -94m depth in 2011 created by Türk Loydu within 2012.

Underwater controls of Ayazlı, Doğu Ayazlı, Akkaya,

Akçakoca platforms were made within 2012. Underwater steel construction welding controls, anode and wall thickness measurements of of Ayazlı, Doğu Ayazlı, Akkaya platforms were made by the personnel with CSWIP 3.1 U certificates under the supervision of Türk Loydu surveyor; underwater steel construction NDT controls, anode and wall thickness measurements were made by the personnel with CSWIP 3.1U certificates under the supervision of Türk Loydu surveyor.



Scaffold - Harbour - Dock Construction Control

Evyap Kirazlıyalı Dock Expansion Project

In the project of expanding the current dock length in EVYAPORT harbour which is located in Körfez Kirazlıyalı from 350 m to 455 m by adding two more anos, the third party manufacture assembly control work was commenced in 2011. Within the scope of this project, based on ASTM A 252 standard which will be used in the harbour construction, the manufacture controls of 9.299 m piling pipes with 01219 x 18mm dimensions were completed in 2011. WPS approval and welders' certification processes have been completed for the

welders of the piling pipes which are found in the construction site.

Non-destructive inspections of the seal welds were made under our supervision and piling works have been completed. The fitting and concrete works of the harbour were completed in May 2012 and ther-mite weld controls of dock Ship to Shore Cranes were also performed by Türk Loydu surveyors. The additional dock was commissioned within 2012.



The Calibration of Tanks of Vessels

As an A Type Inspection body from TÜRKAK, Türk Loydu provides calibration service for the tanks of vessels in conformity with API MPMS 2.8 A C2 standard and 71/349/AT the Calibration of Tanks of Vessels Regulations. The capacity of the vessels which were subjected to tank calibration within 2012 was 52.369 DWT.



The use of 3D Scanner method was commenced in 2012 for the purpose of reducing the time spent in site measurements. (scanning speed 1.000.000 point/sec). Thanks to this, the calibration measurement time of the vessels with 10-12 cargo tanks was reduced to one day. This method was fast enough and the sensitivity rate of the data obtained also increased.

| Item No | Shipyard | Ship Owner | Name of the ship | Capacity (DWT) |
|---------|-------------------|----------------------|------------------|----------------|
| 1 | Beşiktaş Shipyard | Palmali | MUGAN | 7000 |
| 2 | Sedef Shipyard | blue Sea | ASFHALT SPIRIT | 13000 |
| 3 | Ereğli Shipyard | Med Marine | MED PACIFIC | 25000 |
| 4 | Selay Shipyard | Mustafa Okanoğulları | MUSTAFA OKAN | 2619 |
| 5 | Türkter Shipyard | Yardımcı Gemi | ANZER | 4750 |

Evyap Harbour Facilities Quay Expanding Project

The project of the expanding the dimensions of the 14m width and 200 m length Quay in EVYAPORT located in Körfez-Kirazlıyalı and increasing its width to 33m and its length to 378m was taken in 2012 and the project is still continued.

Piling pipes were manufactured as 14m based on ASTM A 252 standard. Pipe dimensions are 0914 x14mm, 01219x18mm, 1524x 22mm and total pipe length s 20.163 m. Manufacture controls of the piling pipes were completed at ÜMRAN ÇELİK BORU SANAYİİ A.Ş plant.

5.112m. of the piling pipes were PE coated based on DIN 30670 standard.

For the welding method approvals which are used in the project, PQR tests based on EN 15614-1 standard, WPS approval based on EN 15609 standard and welders' certification processes based on EN 287-1 were made by Türk Loydu. Non-destructive inspections of the joint welds of the pipes were made under our supervision and piling and concrete works are continued simultaneously.



Offshore Wind Turbines Fixed Leg Manufacture Control

Anholt Wind Turbines Manufacture Control Project

The interface components of 111 wind turbines which are located in the region which is between Djursland city and Anholt island of Denmark and manufacture controls of platforms were made based on DNV-OS-C401 standard. When the assembly is completed, the capacity of the plant which is biggest wind farm of Denmark is 400 MW. The manufactures of the project whose construction is undertaken by Bladt Industries A/S' in Turkey was executed by 3 subcontractors in Izmir. WPS, WPQR approval and welders' certification processes which are used in the project were made by. The non-destructive inspections applied were supervised. The project which was commenced in August 2011 was completed in July 2012.



Fire Protection System

With Montreal protocol, UNIDO executes a comprehensive work both in Turkey and other countries in the realization of the applications which reduces the use CFC derivative gases which harm the ozone layer and to be removed from use over time. Pentane gas application was brought instead of CFC derivative gases which are commonly used particularly in insulation panel manufacture in Turkey and preferred as propellant gas in the manufacture process.

The first joint work between Türk Loydu and UNIDO within this scope was performed in the field of conformity with the standards of automatic gas fire extinguishment system in Assan Panel Balıkesir plant and fire regulation. Türk Loydu has been involved in the design and hydraulic calculation controls regarding CO₂ gas automatic extinguishing system as well as assembly controls,

system functions' tests and commissioning processes within the scope of the project and has put the conformity of the systems under warranty.

In ISDEMİR Iron Steel plant, 2000 tons capacity benzol tank fire protection system, pump station design and hydraulic calculations approval were performed.

The design and assembly controls of automatic gas extinguishing systems were performed in AYGAZ A.S. Yarmca, Dört Yol and Aliaga terminals and system approvals were given.

Annual inspections of fire protection systems of Mercedes Benz Türk A.S. and Hilton Hotels which were commenced in the former years continued in 2012.



Storage Tanks Manufacture and Periodical Controls

Türk Loydu performs inspections of manufacture, assembly of the new tanks and periodic inspections of the tanks in service within the scope of API 650 and API 653 with regard to aboveground storage tanks with its "API 650 Authorized Inspection Agency" competence and specialist staff on atmospheric aboveground storage tanks.

Those performed within the scope of the Manufacture Controls of the Storage Tanks based on API 650;

- Design (technical drawings and calculations) control and approval
- Control of the welders' certificates
- Control of welding method approvals (WPS&PQR)
- Control of the materials and certificates which are used in the manufacture
- Controls during pre-manufacture (bending etc) in the plant
- Assembly Control at the Site
- Visual inspection and measurement controls
- Non-destructive inspections (Evaluating radiographies, supervision of other NDT tests)
- Final inspection and tests
- Certificate arrangement of storage tank

Those performed within the scope of Periodic inspections of the Storage Tanks;

- Current state control of the tanks, visual inspection, dimension controls
- Design conformity control with the data obtained (wall thicknesses etc.)
- Determination of the places where modifications will be made if necessary
- Controls during modifications, visual inspection of the welds, assembly controls
- Non-destructive inspections (Evaluation of the radiographies, supervision to other NDT tests)
- Issuance of the inspection report

In 2012, manufacture and assembly controls of 7 tanks in Polisan Holding Dilovası plants and periodic inspections of 5 tanks were made.



Boiler and Pressure Vessel Certification Activities

One of the main activities of Türk Loydu industrial services is the boiler and pressure vessel certifications service. Certification is made in conformity with CE regulations when CE marking is obligatory. Türk Loydu procedures shall be applied in the manufacture control and certification of these boilers and pressure vessels in case of export to countries where CE marking is not obligatory.

Boilers (steam boilers, hot water boilers, hot oil boilers etc.) are usually manufactured and controlled based on EN 12953, EN 12952, TRD standards. Pressure vessels (LPG, LNG, air, nitrogen, oxygen etc. tanks etc.) are usually manufactured and controlled based on (AD 2000, EN 13445, ASME Sec.8Div.1 etc.) their standards.

The main control phases for boilers and Pressure vessels:

Project and Calculation approval

Conformity control of the materials and certificates

Conformity control of the welders' certificates

Conformity control of Welding Method (WPS, PQR) approvals

Interim manufacture controls (cutting, assembly, measurement, dimension etc. controls)

Evaluation of the radiographic films which are taken from the welds

Final inspection and hydrostatic pressure test

Examination and approval of the technical file of the product

Issuance of the document



Türk Loydu performed the manufacture control and certification services of total 825 boilers and pressure vessels in 2012.



CE Conformity Assessment Activities

In 2012, Türk Loydu;

Performed conformity assessment services as an Institution which is Certificated in 97/23/AT Pressure Equipment Directive and in 2009/105 (ex-87/404/AT) Simple Pressure Vessels Directive:

Containing 0.5 bar plus pressure within the scope of 97/23/AT Pressure Equipment Directive

- Pressure vessels
- Boilers
- Pipe fittings
- Pressure accessories and
- Safety accessories

CE 1785

CE conformity assessment services are performed by Türk Loydu. Türk Loydu made CE certification of the products which were manufactured by the current manufacturers throughout Turkey in 2012 and these products were exported to European countries with CE marking.

Steam boilers, steam generators, hot oil boilers LPG tanks, LNG tanks, LPG transport tanks, compressor tanks, steam sterilizers, LPG tubes, LPG auto gas tanks, hyperbaric pressure rooms, valves, heat exchangers, autoclaves etc. equipments can be listed as example for the products whose CE conformity assessment were made by Türk Loydu with the Certificated institution identity number 1785.

Türk Loydu performed CE certification services of 646 pressure equipments with several capacities and types in 2012.

CE Conformity Assessment Activities

As a pioneer body with both the rules it has implemented with regard to the certification of the Wind Turbines (WT) and their components and its promoting activities executed in the national and international platforms, Türk Loydu will continue the WT certification services which it has provided since 2009 with the power it has obtained from TÜRKAK within the scope of TS EN 45011 accreditation in May 2012. It has brought in something new because it is the first accreditation obtained in Turkey in this field.



Pursuant to the "Regulation on Domestic Manufacturing of Components used in Renewable Energy Electricity" of the Ministry of Energy and Natural Sources, the certification of the domestic manufacturing of Wind Turbines and their Components can only be made by means of accredited bodies based on TS EN 45011 "General Terms for Product Certification Bodies" by 19 June 2011.

In this regulation, it is made obligatory to have a product certificate which indicates the conformity with the applicable standards of the wind turbine and its components which will be manufactured inside the country. Thus, the domestic manufacturer who manufactures the related component or system will have to fulfil the requirements and certificate this by not following not only its own accumulations but also the most current national/international standards and rules. And this will undoubtedly bring in quality increase in the wind turbines and their components which are complex structures and safe product.

Türk Loydu performs the certification of the wind turbines in three different ways under the titles: Type Certificate, Project Certificate and Component Certificate.

Certification consists of some components such as design assessment, manufacture assessment, type tests and final assessment provided having some changes in the details based on type.

The design and manufacture assessments which are required for certification are performed by machine, electrical, civil and welding engineers who are specialized in their fields according to the standards and rules which are found within the scope of accreditation.

Türk Loydu started certification works of the wind turbines in 2012 pursuant to the agreement it made with NORTHEL Enerji A.Ş. company within the scope of the certification of the wind turbines.

TÜRK LOYDU - TS EN 45011 accreditation scope: Wind turbine and its components:

TS EN 61400-22 Wind Turbines Part 22: Conformity Assessment and Certification. Türk Loydu Wind Turbines Certification Principles, Volume F, Section 200, 2010 Türk Loydu Wind Turbines Condition Monitoring Systems Certification Principles, Volume F, Section 202, 2010 Türk Loydu Offshore wind Turbines Certification Principles, Volume F, Section 201, 2011



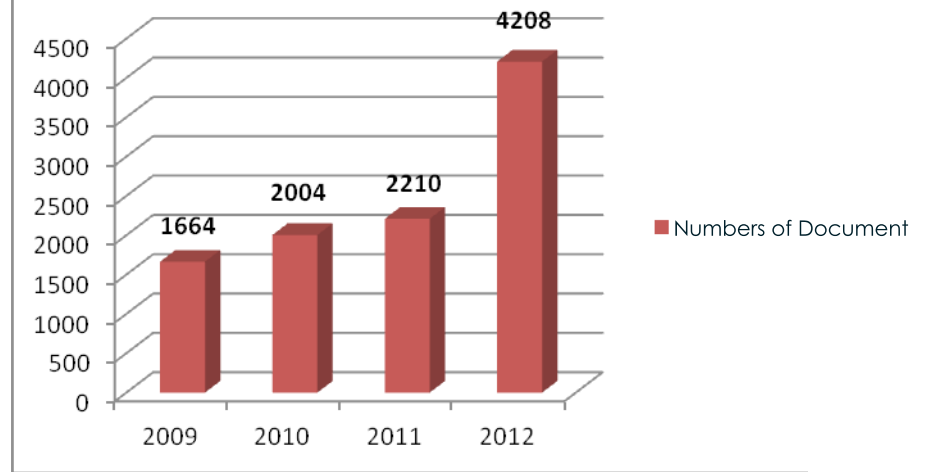
Certification of Welders'

Türk Loydu continued certification of welders' activities it made in conformity with today's required conditions with a dynamic structure which constantly feeds itself based on developing standards and codes.

In 2012, providing welders' certification and welding method approval service started within the scope of IACS based on Türk Loydu Rules. Within this scope, welders' certification works were realized within the scope of the instructions which are prepared in conformity with IACS rules for the several shipyards and manufacturers who work with Türk Loydu.



Türk Loydu performed total 4208 certificates service in 2012. The distribution regarding the last four years is specified in the following graphic.



Managament Systems Certification

ISO 9001:2008 Quality Managament System Certification at the Universities

As a result of the audits performed in May at Yıldız Technical University, quality management system was found successful and ISO 9001:2008 certificate was given to Prof. Dr. İsmail YÜKSEK, Rector of the University by Salim ÖZPAK, General Manager of Türk Loydu Foundation Economic Enterprise with a ceremony organized at the rectorate building of the university on 6 June 2012.

The quality management system, which was applied by Yıldız Technical University by strengthening student and shareholder oriented approach, was found successful as a result of the audits performed by Türk Loydu auditing team and received ISO 9001:2008 Quality Management System certificate. With this certificate, Yıldız Technical University became one of the pioneers among the universities which include all processes to quality management system.





TOBB Chamber and Commodity Exchange Accreditation System

For the purpose of improving service quality in the chambers and commodity exchanges linked to Accreditation System The Union of Chambers and Commodity Exchanges of Turkey (TOBB), it is a model which is matured by considering the Eurochambers, Union of Chambers of England system where opinions regarding German Chamber system are added within the framework of ARCHIMEDES with Eurochambers-TOBB cooperation within the scope of "Turkish Chamber Improvement Program".

What is Chamber/Commodity Exchange Accreditation?

It is a system which

- sets forth the minimum conditions regarding the services performed by the Chambers/Commodity Exchanges,
- where the self assessment of the annual performances are made by the Chambers/Commodity Exchanges,
- where sustainability is provided at the criteria determined by the feedbacks and improvements taken from the external audits made and the activities of the chambers/commodity exchanges.

The Purpose of TOBB Chamber and Commodity Exchange Accreditation Project:

- Extension of business life in the whole Turkey
- Creating integrated institutions network to provide representation, service and support in local, regional and national level is
- Making the Chambers/Commodity Exchanges become pioneer institutions which represent the interests of the business life within their own communities, promote its growth with competitive power
- Providing added value to the service processes of the Chambers/Commodity Exchanges.

"Türk Loydu" was involved in the process in the 3rd period in 2005 in TOBB Chamber / Commodity Exchanges Accreditation project by receiving trainings, and started to fulfil the auditing services of the project along with the 4th period in 2006, and was successfully commissioned in the project until the end of 2009. After a short while, it again started to provide service along with the 9th period of the project in 2012.



ISO 50001 Energy Management System Certification

Having adopted social responsibility and environment consciousness as a principle, Türk Loydu started the certification activities in relation to ISO 50001:2011 Energy Management System Standard in order to transfer this consciousness to its customers and contribute to the establishment of a sustainable energy management and facilitate the conformity with the legal legislations of the institutions.

When considering that the total energy costs rose 50% over the total manufacturing costs and the sanction of the Energy Efficiency Law with regard to the efficient use of energy, prevention of wastage, mitigation of the burden of the energy

costs on the economy and increasing the energy sources and the efficiency in the use of energy, it is inevitable to make energy saving and create an energy management system.

Determination of the energy efficiency requirements, creation of policies and targets, determination of the processes, determination of energy manager and other sources, determination of measurement and monitoring plans, preparation of procedures, providing communication and realization of the applications, making internal examinations, review and continuous improvement are the application steps of the system.



AYGAZ

As a result of the audits performed in Yarımca Filling Facility and Gebze Enterprise of AYGAZ A.S. within the scope of ISO 50001 Energy Management System Standard, the conformity of the energy efficiency works of the institution with ISO 50001 standard was assessed and it was certificated on 09.10.2012



ISO 10002 Customer Satisfaction Management System Certification

ISO 10002 Customer Satisfaction Management System has aspired after preventing customer satisfaction and providing satisfaction sustainability by means of taking the customer feedbacks which grounds on the guiding information standard for handling the complaints at the organisations as complaints or demands, fulfilling the demands within the legal requirements, and determination of the root cause of the fault for the complaints, prevention of repetition and handling citizen complaints in an effective manner.

With an effectively operated customer satisfaction management system, nonconformities and thus

repetition of complaints can be prevented and effective solution facilities can be presented and the success of the solution facilities presented can be measured.

Furthermore, the consciousness and competence of the personnel with regard to customer orientation can be developed, thus it will be possible to reduce complaints and provide customer satisfaction. T.C. MAMAK MAYORALTY included ISO 10002 Customer Satisfaction Management System into ISO 9001:2008 Quality Management System which is applied as certificated by Türk Loydu since 2006 and was certificated in 2012.



TÜRK LOYDU FOUNDATION



2012 Türk Loydu

TÜRK LOYDU continued its non-refundable scholarship and educational support for its undergraduate and graduate students who study in higher education institutions within the scope of its areas of activity in the year 2012, too.

The provision of non-refundable scholarships and education support is handled within the framework of fulfilling social responsibility. Non-refundable scholarships are provided as monthly scholarships for nine months from the beginning (October) until the end (June) of each academic year. Scholarships were provided for the six months of the year 2012 to total 100 students at undergraduate and graduate level who were determined to be provided with non-refundable scholarships at the beginning of the Academic Year of 2011/2012.

With the decision of the Board of the Foundation which was taken at the beginning of the Academic Year of 2012/2013, the contingent of bachelor's degree, master's degree and PhD degree students was increased up to total 177 students 165, 8 and 4 respectively. At the beginning of the Academic Year of 2012/2013, undergraduate scholarship applications were accepted directly over the web based "Türk Loydu Scholarship Information System" with a new application. The undergraduate applications made were handled within the scope of pre-assessment criteria and listed within the scope of contingents and necessary documents were requested for the verification of the information declared by the scholarship applications. Bachelor's degree scholarship to 165 students, master's degree scholarship to 8 students, PhD degree scholarship to 4 students; total 177 non-refundable contingents are used in the Academic Year of 2012/2013 by our foundation.

In addition to the abovementioned non-refundable scholarships; financial support was provided to the personnel who have graduate study at IMO World Maritime University of the T.R. Ministry of Transportation, Maritime, Affairs and Communications.

Academic and Seceral Assistances with R&D Support

R&D Supports

Türk Loydu Foundation provides special R&D support for those who will be make research at graduate and academic level at the sites interested and required by the industries in which it carries on business.

R&D Supports provided in 2012

Within the scope of the Industrial Thesis project which is promoted by the T. R. Ministry of Industry and Commerce (the T. R. Ministry of Science, Industry and Technology with its current name) under the supervision of Prof.Dr. Ömer Gören to which Türk Loydu is a project partner and which was commenced in realization, the financial support which was presented to the project titled "2D and 3D Examination of a Ship Tank Stirring Problem with the Interpolated Particle Hydrodynamic Metho" was sustained. The project was intended to be completed on 01.12.2012. The final report in relation to the project will be delivered in January 2013.



Domestic Conference and Meeting Supports:

- Financial support was provided for Mermaid Congress organized by "Mariner Students Association"
- Financial support was provided for social activity which was organized for the members with reference to 1st of July Maritime and Cabotage Day by the Union of Chambers of Turkish Engineers and Architects (UCTEA) Chamber of Turkish Naval Architects and Marine Engineers.
- Financial support was provided for "Naval Architecture and Marine Engineering Week" activities (NAVAL ARCHITECTURE AND MARINE TECHNOLOGY CONGRESS 2012 and other activities). by organized The UCTEA Chamber of Turkish Naval Architects and Marine Engineers.
- Financial support was provided for "Student Workshop" organized by the UCTEA Chamber of Turkish Naval Architects and Marine Engineers.

Miscellaneous Assistancess:

- Financial support was provided for the modification costs of the Port Authority of Istanbul.
- 9 competitors who came out in the design competition which was organized by the The UCTEA Chamber of Turkish Naval Architects and Marine Engineers were rewarded Cumhuriyet Gold.
- Financial support was provided for the construction of the new service building of the Security Directorate of Tuzla.
- Financial support was provided for printing the book titled "Ord.Prof.Dr. Ata Nutku and Development of the Post-Republic Turkish Shipbuilding Industry and Education" which was prepared by Istanbul Technical University (ITU) Faculty of Naval Architecture and Ocean Engineering.
- Financial support was provided for waterbike teams of Yıldız Technical University and Istanbul Technical University which participated in the International Waterbike Regatta 2012 Competition.
- Financial support was provided for the "Shipyards Rice Day" organization which was arranged by Türkiye Denizcilik İşletmeleri A.Ş.
- Financial contribution was provided for the "7th International Golden Anchor Maritime Performance Award Ceremony" organization.
- Financial support was provided for YTU Maritime Club.
- Financial support was provided for the ITU Marine Faculty Alumni Social Assistance Foundation.
- Financial contribution was provided for the graduation ceremony organization of Yıldız Technical University.
- Financial support was provided for ITU Faculty of Naval Architecture and Ocean Engineering "ITU Auvtech Autonomous Vessels and Underwater Vehicles Project Team" which participated in the "15th International Autonomous Vessels and Underwater Vehicles Competition" which was held in the USA on 17-22 July 2012.



-Financial support was provided for Defence and Aerospace Industry Manufacturers Association of Turkey.

-Financial support was provided for printing 'Naval Architecture and Marine Engineering Manual' which was prepared by UCTEA Chamber of Turkish Naval Architects and Marine Engineers'.

-Several gifts were given to the students in the April 23 National Sovereignty and Children's Day activity which was organized by Istanbul Sehir Hatları Turizm San. ve Tic. A.S. for the students who were damaged in Van earthquake and had to reside in Istanbul.

-Financial support was provided for the procurement of the electronic hardware which is required by the General Directorate of Shipyards and Coastal Structures.

- Financial support was provided for the social activity of Barbaros Mariners Association

- Financial support was provided for the works of the T.R. Ministry of Transportation, Maritime Affairs and Communications for the translation of the IMDG Code (International Maritime Dangerous Goods Code) into Turkish.

Participation in the International Meetings

Participation in the international meetings was supported for the purpose of monitoring and contributing the improvements in the areas in which business are carried. Moreover, industry notification was made with the Summary Reports published.

- Support has been given for the participation of the ITU Faculty of Naval Architecture and Ocean Engineering academic member Prof.Dr. Metin TAYLAN and YTU Faculty of Naval Architecture and Maritime academic member Prof.Dr. Ahmet Dursun ALKAN to the 54th Term Meeting of IMO SLF (Sub-Committee on Stability and Load Lines and on Fishing Vessels Safety) in 2012 in London. Furthermore, related technical staffs of TÜRK LOYDU also participated in the meeting.

- MSC 90th and 91st Term Meeting of the Maritime Safety Committee which was organized by the International Maritime Organization (IMO) (Participation from by TÜRK LOYDU)

- MEPC 63rd and 64th Term Meeting of the Maritime Environment Protection Committee which was organized by the International Maritime Organization (Participation from by TÜRK LOYDU)

- DE 56th Term Meeting of the Ship Design and Equipment subcommittee which was organized by the International Maritime Organizations (Participation from by TÜRK LOYDU)

- FSI 20th Term Meeting of the Flag State Implementation subcommittee which was organized by the International Maritime Organizations (Participation from by TÜRK LOYDU)

- Energy Efficiency 2nd Work Group meeting which was organized by the International Maritime Organizations (Participation from by TÜRK LOYDU)

- OECD meeting in relation to "Green Vessel" (Participation from by TÜRK LOYDU)

Training Activities

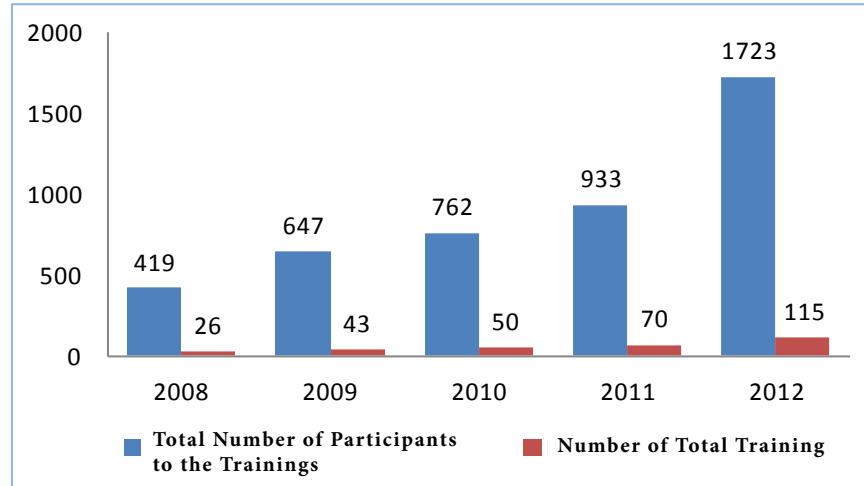
Our trainings which we have been organizing to meet the training requirements of the industries to which we provide industrial service (Maritime, Ship and Yacht Building, Energy, Manufacture, Food, Transportation, Defence Industry etc.) within the scope of developing technical and legal regulations were continued in 2012, too. The trainings can be handled in three different parts as: publicly available trainings; trainings organized according to demands of companies and institutions; trainings organized based on the demands of the official institutions (the T. R. Ministry of Transportation, Maritime, Affairs and Communications, General Directorate of Coastal Safety, Security Directorate etc.).

The numbers regarding the trainings which are publicly available trainings and the trainings which are executed with the demands of the companies/institutions in the year 2012 are given below. The variety of trainings is enhanced, and compared to 2011 the amount of organized training has increased by 64% and the number of the participants has increased by 84%. The Training Seminars within the Scope of IMDG Code which we started to organize as a training institution authorized by the Administration have an important contribution to the increase in the number of trainings and number of attendants as of the second half of 2011.

Total number of Training Sessions that have been organized: 115

Total Number of Participants to the Trainings: 1723

Total amount of training organized in 2008, 2009, 2010, 2011 and 2012 and the total number of participants are given in the illustration below.



Türk Loydu pursues maintaining its training activities in a more widespread and effective manner by using the infrastructure it has consisting of 7 Training Halls and one Conference Hall, one of which is computer equipped and by considering the training requirements of the related industries. In the forthcoming process, it is expected to finalize the preliminary works which were commenced for the furthering of the training activities under the Türk Loydu Academy.

RECENTLY ORGANIZED TRAININGS

It was also our aim to increase the variety of the trainings presented through the new trainings of the industries in which business is carried which were required within the framework of the new developments and new trainings were programmed and implemented in 2012 within this framework.

Our recently implemented trainings in 2012;

- Occupational Health and Safety Information Training in the Shipyards
- Service Provider Organization Diver Underwater Survey and Reporting Training
- Safe Scaffold Installation and Safe Work in the Scaffold Information - Theoretical - Training
- Occupational Health and Safety Information Training in Working in Confined Spaces within the scope of Tank Cleaning

Our Ongoing Trainings

Training Seminars within the scope of IMDG Code

The training seminars which we started to present by 17 September 2011 as an Authorized Institution were continued in 2012, too. Training and Authorization Directive within the scope of the International Maritime Dangerous Goods (IMDG) Code'' which was published on 4 February 2011 was published afresh by way of derogation in the Official Gazette numbered 28201 by the T.R Ministry of Transportation, Maritime Affairs and Communications on 11 February 2012.

“General Directorate of Hazardous Good and Combined Transportation Regulation” which was created within the scope of KHK/655 which was published in the Official Gazette dated 1 November 2011 and numbered 28102 (Repetition) pursues and audits the implementation and execution of the activities within the frameworks of the abovementioned Regulation.

The trainings which we organized within the scope of IMDG Code as Türk Loydu in 2012 are in three different groups. By 2013, providing Renewal Training Seminars will be started within the scope of IMDG code. The employees which are involved within the scope of the Regulation have to participate biyearly to the Renewal Training Seminars within the scope of IMDG.

1. IMDG Code General Awareness Training Seminar (for 1 day)
2. IMDG Code Function-specific Training Seminar (for 3 days)
3. IMDG Code Function-specific Training Seminar - for Drivers - (for 1 day)

Training books were printed for the attendants of the General Awareness and Function-specific Training Seminars within the scope of IMDG Code.



Management Systems Related;

- "ISO 9001 Quality MS (Management System)", "ISO 14001 Environment MS", "OHSAS 18001 Occupational Health and Safety MS", "ISO 22000 Food Safety MS", "ISO 10002 Customer Satisfaction and Complaints MS", Integrated MS trainings which consist of the Information/basic and internal auditor trainings and certain combinations of these standards

- "Process Management and Improvement"; and "Refreshing and Experience Sharing for Internal Auditors" trainings

Environmental protection and sustainable life related;

- ISO 50001 Energy Efficiency Management Systems trainings - "Environment Legislation" trainings

Occupational Health and Safety related;

- "Trainings on Occupational Health and Safety Legislation" and "Occupational Health and Safety Awareness"
- Trainings on Occupational Health and Safety in the Industrial Plants

Welding Technology and Applications related:

- Theoretical and applicable refresher trainings which are organized based on the Company demands of several joint/welding technologies (Plastic Weld, Electric Arc Weld, Gas Metal Arc Welding, TIG Welding, Brazing and Soft Soldering etc.); where the related standards are considered.
- TS EN ISO 14731 Welding Coordination Tasks and Responsibilities Information Training
- ISO 3834 series Standard Trainings of Quality Requirements for Fusion Welding of Metallic Materials

Maritime and Shipbuilding, Maintenance and Repair Industry related:

- "Auditor" trainings within the scope of International Safe Management System (ISM Code): ISM Code Auditor Training is one of the DPA assignment criteria and it is a training which takes 3 days commonly applied by Türk Loydu since the beginning of 2009.



- "MARPOL International Convention for the Prevention of Pollution from Ships" training: The training which is built in relation to ship operators was also developed specific to marine terminals.
- MLC, 2006 (ILO Maritime Labour Convention, 2006) trainings: This training was included among our trainings which publicly available by the beginning of 2011. It is estimated that this training will attract more attention in the forthcoming process.
- "New Shipbuilding Survey" training to which the employees of the General Directorate of the Shipyards and Coastal Structures of the T. R. Ministry of Transportation, Maritime Affairs and Communications of the Republic of Turkey" was conducted in Türk Loydu on 26 March 2013.

UTILIZATION of TÜRK LOYDU TRAINING/SEMINAR HALLS WITHIN THE SCOPE OF EXTERNAL DEMANDS

Considering the requirements of the sectors in which we are operating, our training halls are brought into use for trainings, courses, and similar activities of several organizations, institutions and companies.

- Our Training Halls and Conference Hall are assigned for the trainings, seminars and meetings which are organized by the UCTEA Chamber Turkish Naval Architects and Marine Engineers for its members within 2012.
- Conference Hall was assigned for the General Assembly of the Turkish Association of Ship Industrialists which was organized in June 2012.



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