



# the heart of step

www.tuzlashipyard.com



## KIRAN HOLDING CO. 1959-2008

The year was 1959 when the Kiran Machine Company started as a modest business and with Turgut Kiran's excellent vision and enthusiasm, grew and developed in years to become one of the milestones of development in the Turkish private sector and plays an important role in the national economy with partnerships and subsidiary companies covering activities in shipping, tourism and services, transportation and construction.

The Kiran Holding Co, with all its employees, aspires to ensure customer satisfaction by providing services of highest quality and standards. It is our duty to take responsibility for our services for the long term.

The past, of course, is a guide to the future. For the Kiran Holding Co., the future holds promise with new challenges and new opportunities. Yet for all the strides taken in technology and speed in communication, a venerable 50-year principle still stands: Service with Integrity.

The success and eminence of the Kiran Holding Co. began as the dream of one man extended to be transformed into the dream of many.

experiences  
of the **past**  
guide of the  
future



## Chairman's Message

### Tuzla Shipyard Bringing New Blood to Kiran Holding Co.

For Kiran Holding Co., 2007 has been a challenging and rewarding year. We tackled the buying of Tuzla Shipyard and finally acquired in the last quarter of 2007, and following the conclusion of this process, the positive addition started to bear fruit in the first quarter of 2008. We have a strong belief in that our experiences in Turkish maritime industry will act as a guide in shipyard sector. As being a member of one of the leading ship owner families providing services to the Turkish maritime industry for about 50 years, we are well-aware of the main expectations of the ship-owners.

Tuzla Shipyard is the leading provider of quality construction, repair, and conversion products and services to the marine industry, delivered in a safe and environmentally responsible manner. The quality of our services provided by modern technology is based on the quality of our people. For the continuity of the Tuzla Shipyard, we follow a policy of recruiting the best people, and providing opportunities for development and advancement. To fully utilize the talents, strength, and technical knowledge of our people, we create a work environment which nourishes increased productivity, cooperation, and solidarity.

Tuzla Shipyard has set high growth and profit targets for 2008 and 2009. We will make every effort to achieve these objectives.

Our success formula always remains "Experiences of the past is a guide for the Future".

**Murat KIRAN**  
Chairman of the Board of Directors

27.01.2008

Located in Tuzla Bay, Istanbul, Tuzla Shipyard is building a tradition of quality workmanship at a reasonable price. As one of the largest commercial shipyards at the Tuzla Bay, our focus on safety and our exceptional dry-dock capacity ensures your visit to our one-stop facility will be exceptional. Tuzla Shipyard has executed many prestigious Ship-repair, Conversion and Shipbuilding contracts against stiff International Competition for both Export and Domestic Markets. All these vessels have performed very well, thus establishing its reputation for delivering vessels of the best quality at competitive prices and delivery periods.

With our entrance location at the Bay, we provide the easy access into and out of our yards, ships are in and out quickly with either planned or emergency repairs. Tuzla Shipyard offers extensive shop facilities, including a modern high capacity steel fabrication shop supported by an inventory of more than 3,500 tons of steel, machine shop, electrical shop, pipe shop, paint/sandblasting department, carpenter shop and rigging services. Tuzla Shipyard's production services are supported by complete engineering, quality, testing, and design capabilities.

Tuzla Shipyard owns the dry-dock which is able to accommodate vessels up to 350 m in length, 65 m in width and of approx. 100 000 lifting capacity. We also have the possibility of repairing vessels up to 350 m in length along the both board sides of the dry-dock.

The path of progress from the Shipyard's pioneering work to its leading position today has been achieved by the superior quality of its products and services, the high productivity of its operations and the innovative spirit and integrity of its people.



# floating dock

one of the **biggest**



K Tuzla Shipyard operates one of the biggest floating docks in the world. Having particulars, 350 mt. in length, 65mt. inner width, 100.000 tons of lifting capacity, able to dive 17 meters, concrete structured ,equipped with; remote controlled balast valves and pumps, draught sensors indicating draughts of dock, camera system to assist and control movements of vessels, 380/440 V power supply, generators, max/min : 25/12,5 tons dock cranes, mobile winches on dock top, 100 t floating crane supporting from sea, powerful pumps and compressors which meet cooling water and air requirements, safety equipments, first aid box, stretchers etc... serving for years in ship repair and conversion projects.

# equipment & facilities

# in tune and on time...

## Departments, Facilities and Equipment

The yard has approximately 320 employees, where of:

180 is 'blue collar' (logistic and production)

25 of these are certificated welders

20 of these are pipe fitters

130 are 'white collar'

30-35 are engineers dealing with repair activities

A normal situation for the yard is to have around 800 people working within the facilities including contractors. During peak periods, as much as 1.800 people have been engaged at the yard. The yard has all necessary offices, cantina and wardrobe facilities for such number of workers.

The yard is organized with the following main department with separate managers:

Our skilled workforce understands the intricacies of timing and scheduling as well as the need for tight controls and coordination.

Safety Department

Safety is an integral part of the company life and it is closely connected with the planning, organization, work preparation and the execution of work at all levels of decision (management, supervision and workers).

## Technical Department

Planning Department

Design Department

Quality Assurance Department

Surface Treatment Department

Shaft and Valve Department

Mechanical Workshop Department

Steel Work Department

Pipe Work Department

Transportation and services Department

Purchasing Department

## Commercial Department

Market development / Repair agencies

Enquiries / Offering / Tendering

Estimating of the projects

## Finance Department

Accounting

Cost Control

Working hours

Normal working hours are from 08:00 to 17:00 including one hour lunch. There is no practical limitation for use of over time, which normally takes place before 22:00 hours night time. Normal working hours are thus 8.5 hours paid per day, excluding 1 hour unpaid lunch. The yard is operated 6 days a week (Monday to Saturday), but activities also takes place on Sundays. The yard is closed only 4 days a year (in connection with National Holidays).





|   |  |  |
|---|--|--|
| Machining Workshop                                      | Lathes   | 6 off  |
|   | Drilling                                       | 5 off  |
|   | Saw  | 2 off  |
|   | Miller   | 5 off  |
|   | Press  | 1 off  |
|   | Guillotine                                     | 1 off  |
|   | Fabrication Shop                               | No.1 L80 x W23 x H10m<br>with 5 ton SWL Gantry crane |
| No.2 L80 x W23 x H10m<br>with 10 ton SWL Gantry crane   |  |  |
| No.3 L80 x W23 x H10m<br>with 30 ton SWL Gantry cranes  |  |  |
| No.4 L80 x W23 x H20m<br>with 10 ton SWL Overhead crane |  |  |
| Fabrication Equipment                                   | Shop   |  |
|   | CNC Oxy / Fuel cutting<br>With 25 ton capacity | 1 off  |
|   | CNC OxiFuel cutting<br>With 50 ton capacity    | 1 off  |
|   | SMAW welding machines                          | 200 off  |
|   | GMAW welding machines                          | 40 off   |
|   | SAW welding machines                           | 6 off  |
|   | Positioner Rollers for pipe<br>welding         | 1 pair   |
|   | Press 450 ton                                  | 1 off  |
| Steel plate rolling machine                             | 1 off  |  |

|                   |                              |             |     |       |
|-------------------|------------------------------|-------------|-----|-------|
| Open Assembly     | 3200 m <sup>2</sup>          |             |     |       |
| Material Storage  | 1700 m <sup>2</sup>          |             |     |       |
| Mobile Cranes     | Gottwaid                     | 70 ton      | SWL | 1 off |
|                   | Gotwaid                      | 40 ton      | SWL | 1 off |
|                   | Grove                        | 35 ton      | SWL | 2 off |
|                   | Grove                        | 25 ton      | SWL | 1 off |
|                   | Coles                        | 17 ton      | SWL | 1 off |
|                   | Coles                        | 15 ton      | SWL | 2 off |
| Forklift          | Hyster                       | 10 ton      |     | 1 off |
|                   | Om                           | 10 ton      |     | 1 off |
|                   | Toyota                       | 6 ton       |     | 1 off |
|                   | Hyster                       | 4 ton       |     | 1 off |
|                   | Lindo                        | 8 ton       |     | 1 off |
|                   | Toyota                       | 1.5 ton     |     | 1 off |
|                   | Manitou                      | 4 ton       |     | 2 off |
| Manlifts          | MZ 76                        | 23 m height |     | 2 off |
|                   | MZ 66                        | 20 m height |     | 4 off |
|                   | ILG 40                       | 17 m height |     | 2 off |
| Bucket Digger     | Liebherr                     | 5 ton       |     | 1 off |
|                   | Mini                         | 300 kg      |     | 2 off |
| Air Compressors   | Mobile                       | 30 Bar      |     | 2 off |
|                   | Mobile                       | 10 Bar      |     | 1 off |
|                   | Fixed                        | 10 Bar      |     | 6 off |
| Lorries           | Towing                       |             |     | 1 off |
|                   | Truck                        |             |     | 1 off |
|                   | Truck                        |             |     | 2 off |
| Mobile generators | capacity between 45 ton      | 200 kw      |     | 4 off |
| Service boats     |                              |             |     | 5 off |
| Barges            | 6060 barge with 20 ton crane |             |     | 1 off |



# ship repair service

The route to satisfaction  
sails to **Tuzla Shipyard...**



## **M/V LASSIA**

The St. Vincent & Grenadines oil/ore carrier M/V LASSIA (74,139 gross), Point Central for Taranto with iron ore, sustained structural breakage between Holds Numbers 3 and 4 during discharge at Taranto November 8, 1999. Vessel bent without breaking. Fore & aft now touching bottom. The vessel was brought to Tuzla Shipyard with a 13 m buckle between Holds Numbers 3 and 4. By the complete engineering, and design capabilities, the suitable ballast and the trim level were calculated in order to have the vessel entered the dry-dock and repaired.



## **M/V RHINE ORE**

The Rhine Ore is one of the biggest Japanese ships repaired in Tuzla Bay. This bulk carrier has deadweight of 233,000 tons, is 315 meters long, 54 meters wide. The work consisted not only of docking included removal and replacement of approximately 200 tons of damaged steel; but also of the installation of Water Ingress Detection Monitoring and Alarm System, tail shaft overhaul and various piping and machinery, as well as the maintenance and painting of the hull. Works have been carried out successfully during her third Special Survey within only 20 days in the year 2004.



## **M/V SWIFT ARROW**

Gear bulk's Swift Arrow ran aground February 28th 2007 during the sailing maneuvering in Paranagua. The manoeuvre caused the accident with the vessel in a rock with depth of about 7 meters in the Port. The repair included significant works on the ship's hull in total 386 tons of steel in double bottom replaced. This project involved the coordination of numerous crafts and subcontractors, as well as utilization of a dry-dock, overhead cranes and Tuzla Shipyard's shop facilities and equipment.

# MAERSK projects



MAERSK Lines decided to bring 6 sister vessels more to Tuzla Shipyard after successful grounding damage repair of MV MAERSK MARYLAND in 2007. Shaft, hull and machinery surveys completed on these container vessels which are in 290 mt in length, 32 mt in width 59000 DWT / 4614 TEU in capacity. April 2008 projects started, over 1200 mt steel replaced and significant size of piping, mechanical and other works completed as planned on October 2008 without a delay. Tuzla Shipyard and its powerful teams will always continue serving to customers to build long term relationships by aiming quality and performance, within a frame of mutual compromising.





## M/V MAERSK MARYLAND

The vessel Maersk Maryland was dry-docked in Tuzla Shipyard on 1st May 2007 in order to affect extensive repairs due to grounding damages and the repair Project was completed on 14 August 2007.

On Maersk Maryland more than 800 tons of steel constructions were renewed in the double bottom, ballast tanks and cargo holds. Additional major jobs were piping, re-coating of several ballast tanks, complete gritblasting and painting of hull. The work was sophisticated flat bottom repair including E/R bottom sections, and had to be done according to specific technological procedures. At the end of the repair Project the appreciation letter which is the best proof of our technical and production capacity "We Maersk Line Limited had the extreme pleasure of working with some very professional and service oriented people at Tuzla shipyard. Their dedication to the work at hand extended beyond any normal docking. Their attention to detail, quality, and scheduling exceeded all expectations." is the first steps in the future cooperation. The successful project strengthened the long-standing relationship the shipyard has with MAERSK.



# MAERSK LINE, LIMITED



September 2008

SUBJECT: ACV 5<sup>TH</sup> SPECIAL SURVEY DOCKING – TUZLA SHIPYARD LETTER OF APPRECIATION

TO: Mr. Murat Kiran, President

*TUZLA Shipyard*

KURUMLER VE HİZMETLERİ A.Ş.

Tersaneler Bölgesi No: 50, 34944 Tuzla, İstanbul / TÜRKİYE

Mr. Kiran,

It is with sincere appreciation that Maersk Line, Limited wishes to express to Tuzla Shipyard's entire staff in recognition to the successful Completion of six Atlantic Class Vessels 5th Special Survey Dockings.

SEALAND QUALITY

SEALAND COMMITMENT

SEALAND ACHIEVER

SEALAND PERFORMANCE

SEALAND FLORIDA

SEALAND INTEGRITY

Length overall: 289.500m - Breadth: 32.308m - Gross tonnage: 57,075

During the repair performance periods, Maersk Line, Limited had the extreme pleasure of working with professional and service oriented staff at Tuzla shipyard. Their dedication and hard work in accomplishing six (6) ACV Class vessels 5<sup>th</sup> Special Surveys from April 2008 thru Sept 2008 presented new and unique challenges which were aggressively addressed and completed. Tuzla Shipyard's continues attention to detail, quality, customer's requirements and safety was actively maintained through out the performance periods.

Maersk Line, Limited wishes to express our thanks and recognition of Tuzla Shipyard in their success and continue relationships in the future.

With sincere gratitude and appreciation,

1st Charles E. Herbol

Charles E. Herbol, MLL Docking Engineer Manager

1st Ashok Sann

Ashok Sann, MLL Program Manager

One Commercial Place – 20<sup>th</sup> Floor, Norfolk, VA 23510-2103  
Telephone: 757-857-4800 Fax: 757-852-3232

aiming  
quality



# ship conversion service

## Bringing **New Life**

Tuzla Shipyard has considerable experience in conversion of different types of vessels including lengthening, big scope of steelworks, refurbishment of accommodations, etc.

Since 1996 conversion projects have been predominant in Tuzla Shipyard. After a successful conversion of FPSO Firenze in 1992 more and more conversions orders appeared. During recent two-three years we achieved a kind of a balance between repair and conversion projects and our latest works involve conversions of single Hull Tankers to Double Hull according to MARPOL requirements.

### **SONGA SATURN**

The Songa Saturn is a shipshape drilling unit, capable of operating in water depths up to 3,300 feet using a 18-3/4", 10 ksi BOP and 21"OD riser.

In September Songa Offshore purchased the drill ship Glomar Robert F Bauer. The rig was renamed and delivered 11 November 2005. The Songa Saturn has entered Tuzla Shipyard for refurbishment and re-certification.

The successful upgrading project which took nearly 12 months consisted of steel replacement, new topside equipment, water depth upgrade to 3,300 ft and certain ballast enhancements included a 5-year special periodic survey, marks another milestone for Tuzla Shipyard.



to Your Vessels...





### M/T NAPA

The double hull conversion project of M/T Napa was carried out very successfully in schedule, with good quality end result. The main goal of the conversion was to build second side structures on the vessel, because in compliance with the newest safety regulations the units should have double hulls, not only double bottom, but double sides as well. To achieve this, more than 1200 tons of steel was used on Napa. Moreover, due to conversion, extensive painting work was performed. The whole range of the maintenance and repair work was accomplished as well. During the prefabrication of the panels the vessel continued to operate. By the prefabrication before the vessel's arrival at Tuzia shipyard, the dry-docking and repair period of the vessel reduced by 25%.



### M/T ESMERALDA

The conversion work started in October 2006 with prefabrication of the panels before the vessel's arrival at Tuzia Shipyard. The 35,550 DWT tanker continued to operate until November when it arrived at Tuzia Shipyard for dry-docking for the double hull conversion project. The docking and maintenance work was carried out and nearly 1300 tons of steel have been replaced. The complete work included prefabrication, structural constructions, installation, new /modified piping, and electrical, testing, tank coatings.



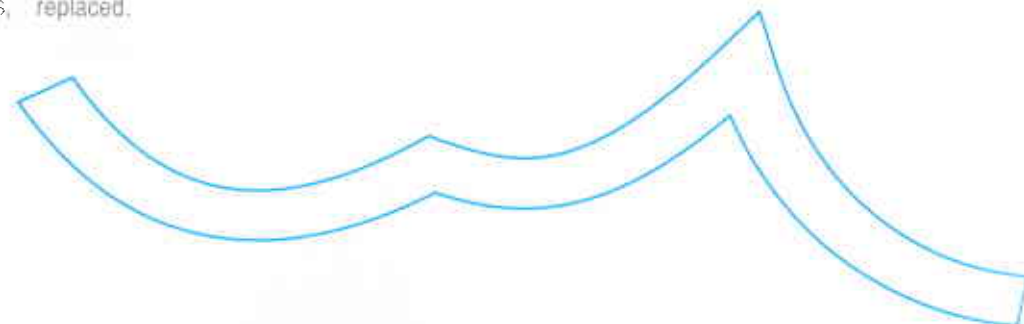
### M/T MARS

The double hull conversion project of M/T Mars was carried out very successfully in a very short time, with high quality end result by the talented technical staff. Moreover, due to conversion work, extensive painting works, piping work. The complete work also included testing, tank coatings, shaft and propeller works.



### M/T ISI OLIVE

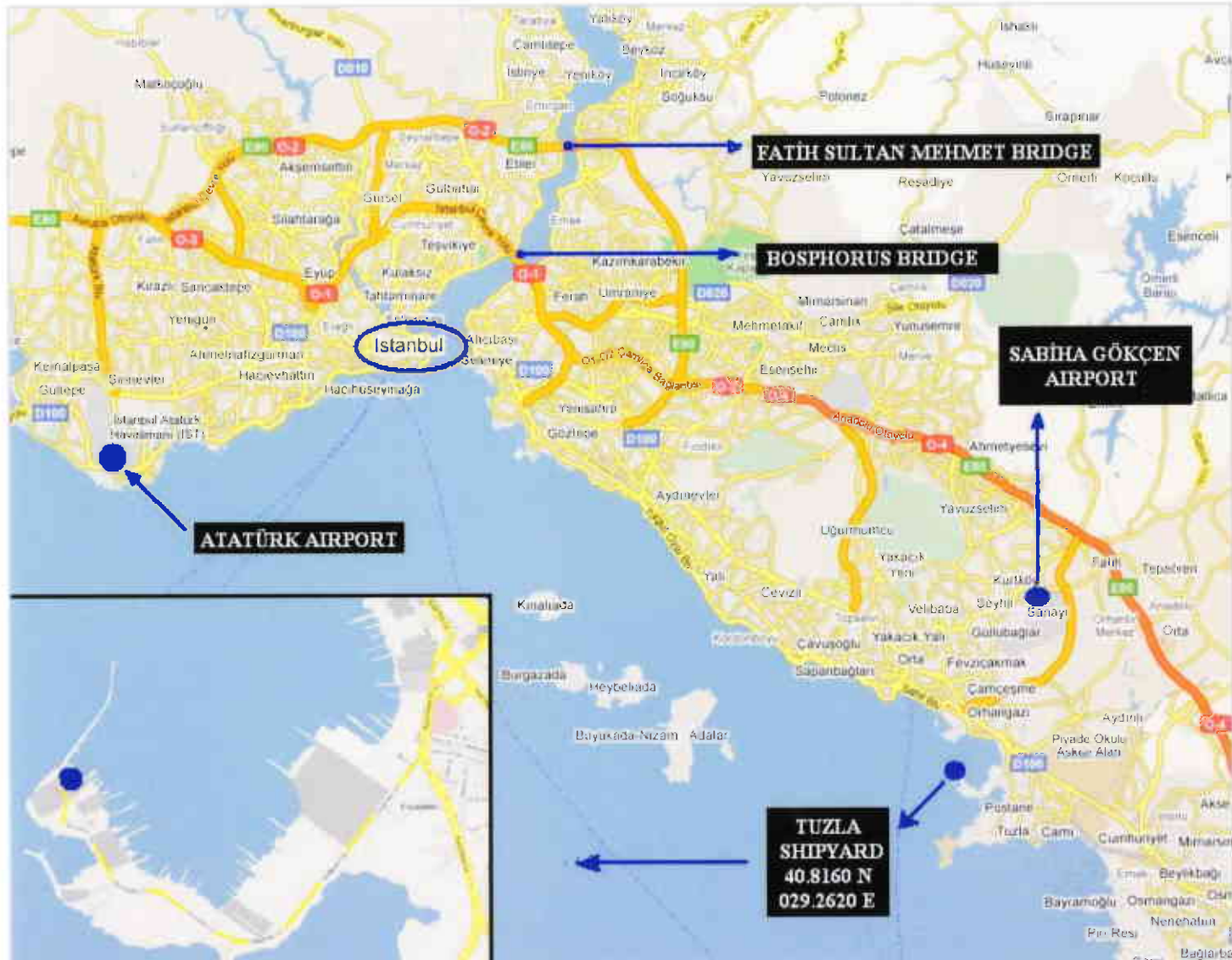
Another successful grounding damage repair work started in January 2008 with high performance. The docking and maintenance work was carried out and nearly 145 tons of steel have been replaced.



# where we are

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TUZLA Shipyard

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# TUZLA SHIPYARD & TOURISM CO.



*The Best*



*Performance*



*Service*



*Equipment*



WE HAVE REBUILT  
AND REFURBISHED  
THE LARGEST  
PRIVATE YACHT  
IN THE WORLD  
**THE SKYRON**



**Technical specifications  
of Skyron 2001**

|                       |           |
|-----------------------|-----------|
| LOA                   | 180m      |
| Beam                  | 30.00m    |
| Depth                 | 10.00m    |
| Max. draft            | 12.00m    |
| Crane capacity        | 100.000t  |
| Max. capacity         | 100.000t  |
| Max. lifting height   | 100.00m   |
| Max. lifting capacity | 100.00t   |
| Max. lifting speed    | 0.10m/s   |
| Max. lifting force    | 100.000kN |
| Max. lifting distance | 100.00m   |
| Max. lifting height   | 100.00m   |
| Max. lifting force    | 100.000kN |





**SERVICES OFFERED BY THE SHIPYARD:**

- CONVERSIONS - STEEL WORKS - DAMAGE REPAIRS - BOILER REPAIRS - PIPE WORKS
- ELECTRIC/ELECTRONIC WORKS - NEW EQUIPMENT INSTALLATION
- CARPENTER WORKS - MACHINERY WORKS
- TUGS SERVICE

**DOCKING**

- HULL WATER-CLEANING - BLASTING (SA 1, SA 2, SA 2.5)
- PAINTING (ALL TYPES) - TANK COATING
- PROPELLER - SHAFT - RUDDER
- VALVE MAINTENANCE AND REPAIR



**TUZLA SHIPYARD AND TOURISM CO.**

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