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Sub-Regional Workshop on Shipbuilding,  
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A GENERAL VIEW ON THE TURKISH SHIPBUILDING  
INDUSTRY\*

by

T. Cilli\*\*

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\*\* Chief Engineer, Turkish Maritime Bank - Istinye Shipyard, Istinye Tersanesi, Istanbul.

95 % of export and import transportation of our country is by sea-lines. Our marine trade fleet is 1.600.000 D.W. tons. With this trade fleet, only 20 % of our sea transportation is achieved. In order to transport the full amount by our trade ships, we need in 1982 a fleet capacity of 3-3,5 million d w tons.

The total yearly ship production capacity of our shipyards is 400.000 D W tons.

However, only 30 % of this capacity is utilised, due to lack of technical personnel or due to the financial and technological problems.

If the planned shipyards can be completed and also if the existing shipyards work in full capacity the ship production will be more than our needs, so that it will be possible also to built ships for export purposes.

- Ship building is supported at the first grade in our country. A state foundation is established for shipbuilding,

ship purchase and shipyard building and development purposes. 95 % of ship building can be achieved by bank credits. In addition, a part of taxes is returned for support purposes.

- 30 or 40 % of our ship building industry in tonnage is depended on the foreign countries.

Main engines, auxiliaries, rudder arrangements and electrical devices are purchased from the foreign countries.

We are doing our best to find a way to produce the above mentioned equipment in our country.

- Educational Establishments on these subjects are:

Ship-building Faculty of Technical University, Istanbul.

Ship-Engines section of state Engineering and Architectural Academy, Istanbul.

Marine Academy, Istanbul

Marine Technical School, Ordu.

Marine Technical school of Turkish Maritime Bank, Istanbul.

Ship-Building Institute of Technical University, Istanbul.

CLASSIFICATION OF OUR SHIPYARDS

Turkish shipyards can be classified under 3 groups.

- 1- Naval shipyards
- 2- Turkish Maritime Bank shipyards
- 3- Private shipyards.

I- Active Shipyards

A- Naval shipyards (belonging to the state)

- 1- Gökbuğ Şipyard
- 2- Topkapı "

B- Turkish Maritime Bank Shipyards (belonging to the state)

- 1- Çerçelik Şipyard
- 2- Kalyon "
- 3- İstinye "
- 4- Akmerkez "
- 5- Hacılar "

C- Private Shipyards.

- 1- Marmara Transport A.Ş.
- 2- Sadof Tersanesi A.Ş.
- 3- Sarıbuğlar Koll. Şti.
- 4- Çamlık İnş. Koll. Şti.
- 5- Çayır Ltl. Şti.
- 6- Çamlık İnş. Koll. Şti
- 7- Çınar
- 8- Çelik Tekne
- 9- İrofilo A.Ş.
- 10- Çelik
- 11- Çeliktrans
- 12- Anadolu LTD. Şti.
- 13- Hidrodinamik
- 14- Çelik Yıldırım
- 15- Kart. Haynak
- 16- Mithatlar
- 17- Değerli
- 18- İnanç
- 19- Oyar
- 20- Kıyı
- 21- Paşa

## CLASSIFICATION OF SHIPYARDS ACCORDING TO THE CONSTRUCTION CAPACITIES

### 1 - Shipyards Constructing River Type Ships :

20 Shipyards, belonging to the state and private companies can be considered under this item.

These shipyards have about 60-80 m long building berth. ships about 2000-3000 DW. tons can be constructed under these berths.

The yearly production capacities of these shipyards are 600-800 tons each.

### 2 - Shipyards constructing medium size ships:

5 Shipyards can be classified under this group. These shipyards can build ships, up to 10-40.000 DW. Tons. These shipyards take an important part in shipyard construction of our country.

### 3 - Big shipyards:

We don't have any shipyard which can be classified under this group.

Nevertheless, Pendik, Kiyi and Degas shipyards are either under construction or at project preparations level. 50-150.000 DW. tons ships will be build in these shipyards.

### 4 - Repair Shipyards :

6 shipyards can be classified under this group. Ships up to 40.000 DW tons can be dry docked in these shipyards.

## SHIPYARDS UNDER CONSTRUCTION AND UNDER DEVELOPMENT

### A - Turkish Maritime Bank Shipyard

- 1- Pendik Shipyard (under construction)
- 2- Alaybey " (under Development)

### B - Private Shipyards

- 1- Kiyi Tersanesi (under construction)
- 2- Degas A.Ş. (under Development)
- 3- Tuzla Shipyards (Support certificate from the state obtained for the construction)

TECHNICAL PROPERTIES OF OUR SHIPYARDS

1- RIVER TYPE SHIPBUILDING YARDS

Name of shipyard	Total area of shipyard (sq.m.)	No. of Berth	Berth size:	Max Dw. ton of ships, can be built.	Yearly steel production (tons)	Total of personel	No. of engineer and technical personnel
SARIBAŞLAR	2500	1	60x10	2500	700	40	2
GEMİ - İŞ	1500	1	60x12	3000	1300	45	1
GAYE	2900	1	50x12	2500	1000	40	6
GEMİ İNŞA	3000	2	55x12 40x9	2500 1800	1700	50	1
GÜNSİN	2250	2	40x12 40x12	2000 2000	2400	40	1
ÇELİK TEKNE	2400	2	70x12 70x12	3000 3000	1200	100	8
PROFİLO	11000	1	85x13	3000	1500	46	4
GEMAK	1300	-	-	Fitting out	-	34	4
ÇELİKTRANS	2100	2	70x11 45x8	2000 750	1750	41	4
ANADOLU	16200	3	75x15 75x14 60x18	3500 3500 2000	2800	63	6
HİDRODİNAMİK	4000	2	60x11 60x11	3000 3000	1200	60	2
HAMİ KAYNAK	4200	3	86x14 90x14 80x14	3000 3000 3000	2500	60	2
DÖRTLER	2400	2	60x10 70x10	1000 3000	1500	30	2

2- MEDIUM SIZE SHIPYARDS

CAMIALTI	72000	2	140x24 91,7x16,5	20000	8000	1358	70
GÖLCÜK	145000	2	112,5x15,5 117x27	25000	13000	2400	80
MARMARA TRANSPORT	23000	2	120x22 80x24	12000	8100	205	10
SEDEF	72000	2	135x24 80x18	26000 8000	9100	255	15
TAŞKIZAK	287000	3	80x20 150x24 45x20				



### 3 - Big Shipyards

#### 1 - Pendik Shipyard

It will be the biggest shipyard of our country. Its total area is 953.00 sq mt and working area is 450.000 sq mt. (60.000 sq. mt. closed and 390.000 sq. mt. open field)

A dry dock, 300 m. long, 70 m. wide and 11 m. deep is going to be built.

Yearly steel production of the shipyard will be 40.000 tons. The building of the shipyard started in 1974 and it will be expected to be complete in 1980

#### 2 - Kyz Shipyard

Its total area will be 80.000 sq. mt. A building berth, 200x30 mt. is going to be built. and one 250x40 m. will be planned for future. 40.000 Dw Tons ships will be builded at the beginning. Yearly steel production is planned to be 30.000 tons.

The yard will be ready in 1980.

#### 3 - Mas Shipyard

Its total area is 700.000 sq. mt. A building bert, 200x45 m. is going to be builded. Yearly steel production will be 40.000 tons. Ships, up to 60.000 Dw tons will be builded at this shipyard.

### 4 - Repair Shipyards

#### 1- Istinye Shipyard

It was builded in 1912 by French Companies. It has 26.000 sq. mt. area. The length of its sea-shores is 600 mt.



Three floating docks have following capacities :

- I- 12x29.40 mt. and 12.250 tons lifting capacity.
- II- 60x29.40 mt. and 5.000 " " "
- III- 137x21,25 mt. and 8.500 " " "

It has the biggest dry-docking capacity of our country. It has also a building berth, having 80x20 mt. capacity.

The total personnel of the yard is 1000.

#### 2- Haliç Tersanesi

It was builded in 1455. It has 75.000 sq. mt. area. These dry docks have following capacities :

- I- 118x20 mt.
- II- 83x16 mt.
- III-153x16.3 mt.

There are also two new building berths, having 56x18 and 90x22 mt. capacities.

It is the second biggest repair shipyard of our country. The total personnel of the yard is 2000.

#### 3- Hasköy Shipyard

It has two building berths with pulling arrangements and 53x11,5 mt and 52x11 mt. capacities.

It has 11.000 sq.mt. area. It is mostly used for the repair and docking purposes of Turkish Maritime Bank, Local Lines ships.

#### 4- Alaybey Shipyard

It has 44.000 sq. mt. area. The shipyard has two building berths with 49x3.10 mt and 35x2,75 mt capacities also with pulling arrangements.

The shipyard started to be enlarged in 1976. A synchro lift system of 5000 tons lifting capacity is going to be builded.

Work shops is going to be enlarged accordingly. It has total 500 personnel.



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