

MAPNA BOILER Engineering & Manufacturing Co.

ISO 9001:2000

DNV CERTIFIED

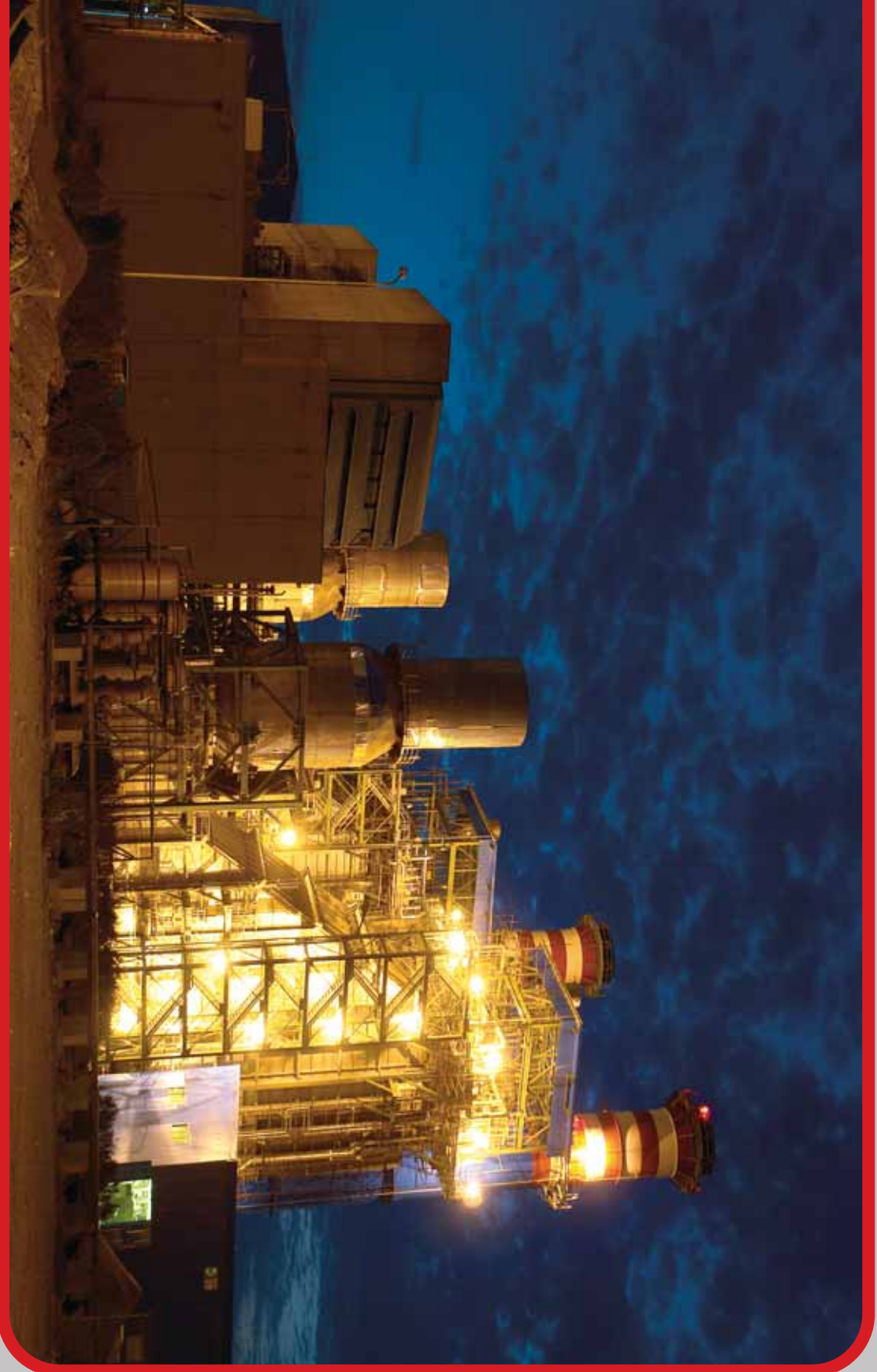
MAPNA GROUP SYMBOL OF SELF REALIZATION



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MAPNA Boiler Engineering & Manufacturing Co.



Leading Company in Design, Supply, Manufacturing and Erection of Different Types of Industrial and Power plant Heat Recovery Steam Generators

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Engineering & Manufacturing Co.

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Introduction



MAPNA BOILER Engineering & Manufacturing company (MAPNA BOILER Co.) was established in 1999 to provide power plant and Industrial boilers in different fields such as oil, gas and petrochemical, utilizing domestic market capabilities; experts and engineers outmost potentiality with the wealth of wide range of expertise, technology and knowledge acquired from reputable international firms. Along with its activities in projects implementation, MAPNA BOILER proceeded technology transfer of Know How in design, engineering, procurement, manufacturing, erection, commissioning and maintenance of Heat Recovery Steam Generators (HRSG) from DOOSAN Co. (South Korea). Moreover negotiations and agreements with major European companies such as Maccchi- Italy-, Thermodesign-Canada- for technology transfer as well as improving technical stand for other types of boilers are underway. At the present time MAPNA BOILER has completed its commitments to the clients in implementation of 24 units of HRSG and 8 units of auxiliary boilers. In addition 57 units of other types of boilers are in the implementation phase.



FARS CCGP Power Plant



MAPNA Boiler Engineering & Manufacturing Co.



6 Products



- HRSG (Heat Recovery Steam Generators) with different types and capacities
- Auxiliary and Industrial Boilers with different types and capacities
- Deaerator with different capacities

FARS CCPP Power Plant



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At the present time, MAPNA BOILER Co. accomplished the manufacturing and execution of 24 units of HRSG including Fars, Neka, Yazd, Old & New Kazeroon projects and 8 units of industrial boilers for oil and petrochemical industries, enjoying knowledgeable and energetic personnel as follows:

FARS Combined Cycle Power Plant (CCPP) Project

The manufacture of six (6) units of Heat Recovery Steam Generators (HRSG) for FARS Combined Cycle Power Plant (1000 MW)

Design Associate:	DOOSAN company/ South Korea	Steam Flow Rate:	180T/hr
Weight:	5000 T	Steam temperature:	520C
Steam Pressure:	84.5 bara	Completion Date:	2002

8 Completed Projects



SAHAND Auxiliary Steam Power Plant project

The design, manufacture, erection, commissioning and start up of two (2) units of Auxiliary boilers for SAHAND Steam Power Plant (650 MW)

Design Associate:.....	Si Fang Company/ China	Steam Flow Rate:	2 x 60T/hr
Weight:	500 Ton	Steam temperature:	250°C
Steam Pressure:	14.7 bara	Completion Date:.....	2005 (receipt of PAC certificate)

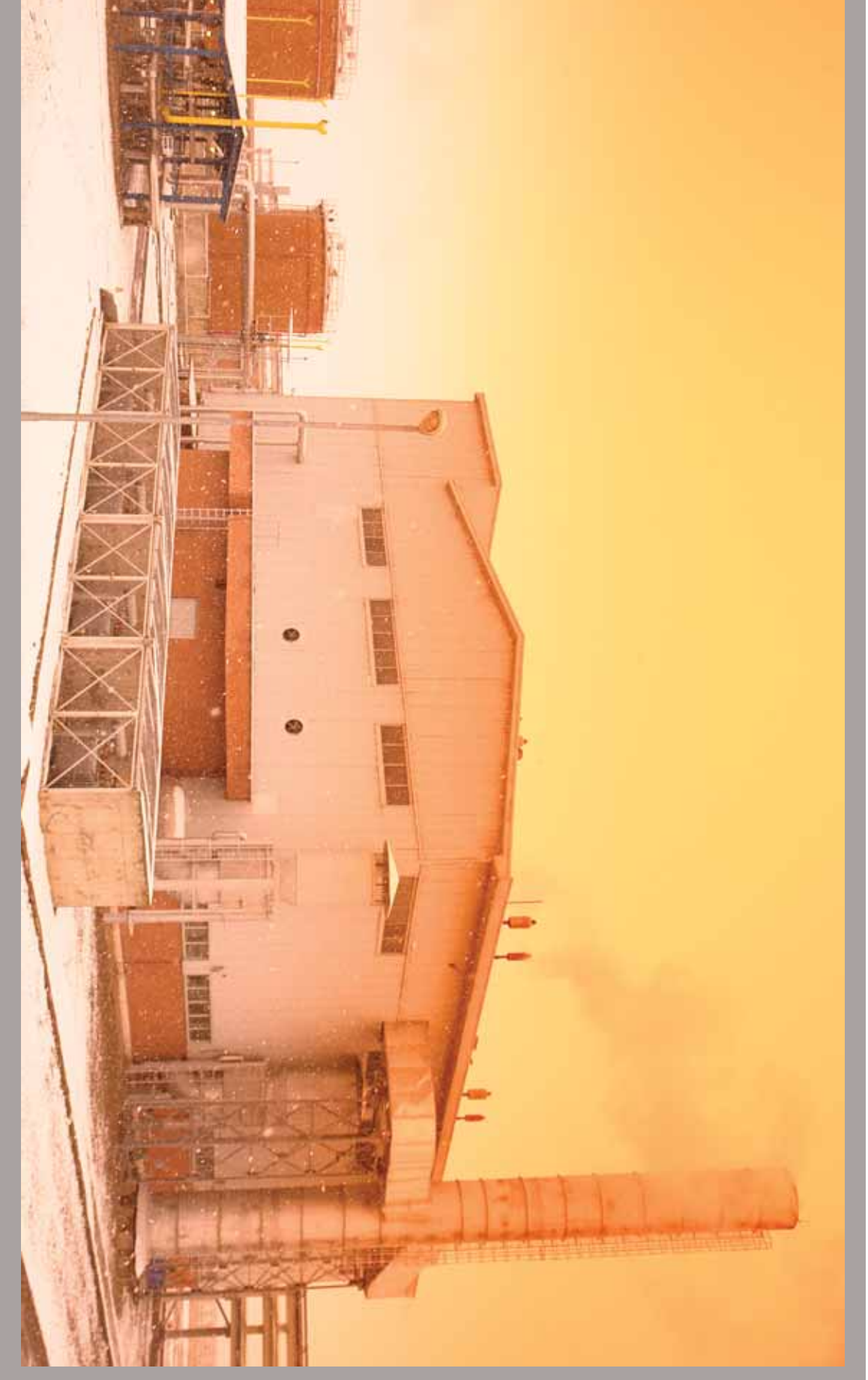
MOBIN Auxiliary Petrochemical Plant Project

Participation in the design, manufacture, erection, commissioning and start up of three (3) units of Auxiliary boilers for the Utility Plant of MOBIN Petrochemical Plant(987 MW)

Design Associate :	Thermo Design Co./Canada	Steam Flow Rate:	75 T/hr
Weight:	650 Ton	Steam Temperature:	430 °C
Steam Pressure:	47 bara	Completion Date:	2006(receipt of PAC certificate)



SAHAND Auxiliary Boiler Project



MAPNA Boiler Engineering & Manufacturing Co.



44 HRSG Units Project

The design and manufacturing of 44 HRSG units for eight (8) Combined Cycle Power plant in the country

Design Associate: DOOSAN Company/ south Korea
Steam Pressure: HP: 90 bara LP: 8.5 bara
Flow Rate: HP: 274 T/hr LP: 32 T/hr
Weight (Manufactured equipments in IRAN): 85000 Ton
Steam Temperature: 230~ 520 °C

10 Completed Projects



Up to now 18 of 44 units of HRSG for 4 combined cycle power plant in the country are completed as follows:

POWER PLANT	COMPLETION DATE	CONTRACT DURATION (Month)	Total WEIGHT (Ton)	Boiler (Qty)	POWER PLANT CAPACITY (MW)
NEKA	2006	19	3252	2	435
YAZD	2006	19	2973	2	406
KAZEROON	2007	23	11289	6	1206
KERMAN	2008	25	17334	8	1912

NEKA CCPP Power Plant



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12 Projects in Implementation Phase

MOBIN Complex Extension Project

The Design and Manufacture & Erection & Commissioning of two (2) units of HRSG for MOBIN petrochemical plant- Assalye

Equipment Weight: 3000 Ton

Steam Flow Rate: 2x 330 T/hr

Owner: MOBIN Petrochemical Company



FAJR II Project

The Design and Manufacture & Erection & Commissioning of two(2) units of HRSG, one (1) Auxiliary boiler and two(2) units of deaerator for FAJR petrochemical plant

HRSG: 2x360T/hr steam capacity Equipment Approx Weight: 4800 Ton

Auxiliary Boiler: 1x165T/hr steam capacity Owner: FAJR Petrochemical Company

Deaerator: 2x 1100 T/hr water capacity

NEKA CCPP Power Plant



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South Pars Project- Phase 15& 16 (Unit 121)

The Design, Manufacture, Erection & Commissioning of Steam and Distillation system including:

- Six (6) units of auxiliary boilers (6x160 t/hr steam capacity)
- Condensate De-oiling Package
- Air Coolers
- Piping &Let Down Station
- Deaerator
- Pressure Vessels and Tanks
- Equipment Approx Weight: 5000 Ton

14 Projects in Implementation Phase / Future projects

Remained 26 units of 44 HRSGs and 8 units of its extension including:

POWER PLANT	POWER PLANT CAPACITY (MW)	Boiler (Qty)	WEIGHT (Ton)	CONTRACT DURATION
DAMAVVAND	2868	12	24000	29
SANANDAJ	956	4	7000	21
JAHRO	956	4	7000	21
SHIRVAN	1434	6	10500	23
YAZD SOLAR	467	2	-	-
ABADAN	1912	4	-	-
SHIRVAN EXTENSION	-	2	-	-

Future Projects

- Three (3) units of HRSG, three(3) units of package boilers and two (2) units of deaerator for ISFAHAN Refinery Project.
- Two (2) units of HRSG for TESHKIN power plant in Syria.



YAZD CCPP Power Plant



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KERMAN CCPP Power Plant



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MAPNA Boiler Co. to respect to its customers request, as a part of after sales services, commits to supply spare parts, guarantee services, revamping, holding training and engineering consulting services to improve sold products.

18 After-sales
Services





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KERMAN CCPP Power Plant: