

AL-KHOBAR II, 750 MW POWER PLANT



PROJECT NAME	AL-KHOBAR II, 750 MW POWER PLANT (Civil Works)
LOCATION	AZIZIAH (SOUTH OF AL-KHOBAR), SAUDI ARABIA
CLIENT	SALINE WATER CONVERSION CORPORATION (SWCC)
CONSTRUCTION PERIOD	31 MONTHS



The Al-Khobar II power plant, coupled to a 50-mgpd desalination plant, greatly increased the power generating capacity of Saudi Arabia's Eastern Province. This was needed in order to meet growing demand due to the unprecedented expansion of the Dhahran/ Al-Khobar/Dammam conurbation. The civil scope of the work included the turnkey design, procurement and construction of all non-technical buildings for this important project.



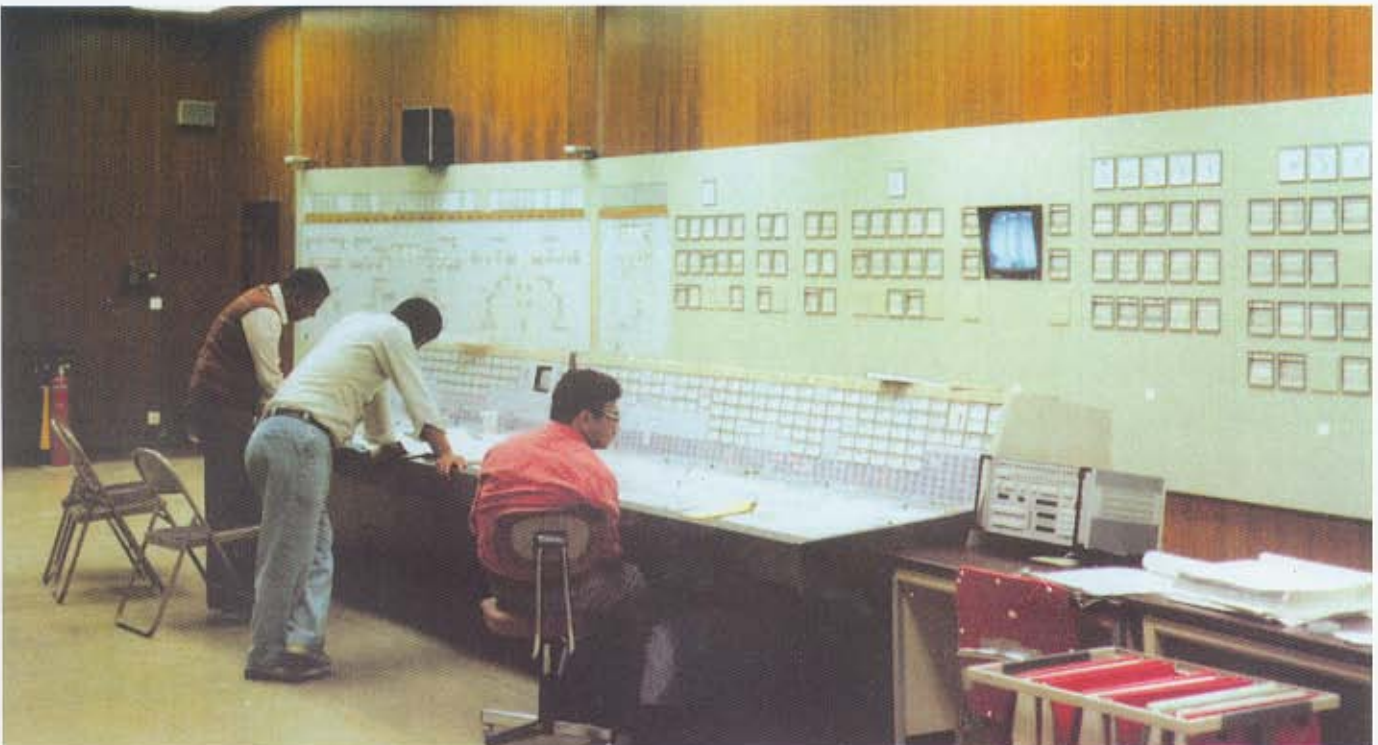


As a member of a large international consortium, the civil works carried out by MAC constituted 10 per cent of a 600 million US Dollar power and desalination plant. The design and approval of equipment and material of the non-technical buildings had to be integrated with the design of the rest of the works and approved by five different members of the consortium as well as by the client and the client's consultant.

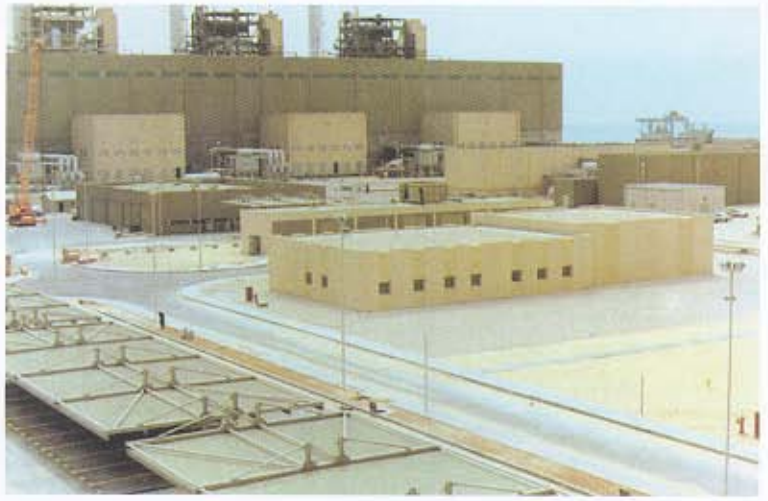


The civil works included:

- An administrative building with a total area of 4,000 square metres.
- A social building.
- A 5,000-square-metre workshop and stores building for housing sophisticated machinery and maintenance equipment for a large power plant.



- A training simulator building housing a sophisticated plant control simulator.



- A restaurant and canteen building covering an area of 3,000 square metres.

- A large mosque with a marble façade, stained and leaded glass windows, parking garages, parking canopies and guardhouse.



- Landscaping an area of approximately 250,000 square metres including the building of all roads, road drainage systems and kerbs, in addition to sidewalks, area lighting and fencing.



