

## Infrastructure Projects

### 11 KV NETWORK DEVELOPMENT

GEMAC are presently appointed as Consultants to Electricity Distribution Directorate in Bahrain for preparing schemes for reinforcement of the 11KV network. This involves co-ordination with all other services utilities and preparation of Tender details for several construction packages.

### REPLACEMENT OF SITRA BRIDGES

Design for this project is now complete. GEMAC have been responsible as sub-consultants to Cowi Almoayed Gulf for the co-ordination of the diversion of existing services and the placement of new services. This has involved close liaison with the Ministry of Electricity and Water and their appointed consultants.

### MINA SULMAN ACCOMMODATION WORKS

This project involved the clearing of a corridor through Mina Sulman to allow construction of the southern approach road to the Sheikh Khalifa Bin Sulman causeway. GEMAC were Services Infrastructure Consultants for the diversion and relocation of existing services including electricity cables and substations.

### ELECTRICITY DISTRIBUTION DIRECTORATE

During the period from 1980 to 1996 GEMAC were appointed as Consultants by the Electricity Distribution Directorate for several infrastructure projects including.

### WATER DISTRIBUTION DIRECTORATE

From 1977 to 1996 GEMAC were appointed as Consultants to the Water Distribution Directorate for the installation of water mains throughout Bahrain. This involved close liaison with all the service authorities.

### BAHRAIN FINANCIAL HARBOUR

GEMAC were appointed by Ahmed Janahi Architects / Africon as the services infrastructure sub-consultants for Electricity Distribution, Telecommunication provisions and AC District Cooling for the entire Financial Harbour project. The design work on the project is complete. All electrical design is being carried out in accordance with EDD's requirements. Installation is due to start in September 2005.

### AMWAJ ISLANDS DEVELOPMENT

GEMAC were appointed by Ossid Property Developers as Consultants for the Master Planning of Electricity Distribution on the Amwaj Islands. This has been done in co-ordination with Electricity Distribution Directorate to whom the design drawings were submitted for approval at each stage.

### AMWAJ ISLANDS ELECTRICAL CONNECTIONS

GEMAC are presently appointed by Ossid Property Developers for the monitoring and approval of electrical connections to new properties. This is being done in conjunction with the Electricity Distribution Directorate and includes controlling the loadings from the individual 11 KV substations.

### ZAYED HOUSING PROJECT

GEMAC were appointed as Services Infrastructure sub-consultants to Cowi Almoayed Gulf. This involved the design of HV and LV systems and substations, which was done in co-ordination with the Electricity Distribution Directorate.

Through the wide experience of its Senior Partners and Staff in the fields of Mechanical, Electrical, Civil, Structural and Industrial engineering, coupled with postgraduate training in the field of management, GEMAC offer a comprehensive service.

