



Client: Batelco, Bahrain  
Consultant: MEEB, Bahrain  
Location: Salmaniya, Bahrain  
Reff. No.: BAH/2005/03/02/01

## 006 — REHABILITATION OF MEDIUM VOLTAGE INTAKE BOARD AT SALMANIYA COMPLEX,

### Background

Salmaniya Complex was built in the 1970's housing all the critical operations of Batelco systems. Today, it is Batelco's most important data centre. After 35 years, it was felt necessary to upgrade the old Reyrolle medium voltage switchboard and upgrade the PLC software for the emergency power turbulence. It was considered that the job could only be done by Dale UK as they have executed the original works. Following the tender results, it was obvious that Dale UK's price was 50% higher than what Cellmec quoted with. Batelco, with such a significant price difference, was doubtful of the capabilities of Cellmec. Ultimately, Cellmec being a local company, was given the opportunity to execute the work with PLC upgrade and connections to be carried out by Dale only, which was part of the pre-tender conditions.

### Case Study

6 months of extensive mobilization. Detailed drawings are pre-installation studies. Development of a complete comprehensive method statement for every step of the replacement work that required the shifting of the existing cables from the old MV switchboard to the new in a sequential manner and agreeing with the client the total methodology of the work with constraint of 20 minutes power shutdown backed up by Batelco UPS system. The project was completed within the time schedule to the entire satisfaction of the Batelco engineers, giving them, for the first time, confidence in a local engineering company!

