

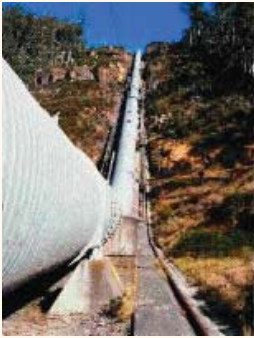
APPLICATION NOTE

Dolphin Energy Al Ain-Fujairah Gas Pipeline Project

The Client

The Dolphin Energy Group is the largest single energy initiative to be undertaken in the Middle East.

With this specific project, Dolphin Energy is responsible for supplying natural gas from Al Ain (United Arab Emirates) to the water desalination plant in Fujairah, a total distance of 210 Km.



Dolphin Energy supports the development of substantial new gas-powered industries in the region - creating wealth, economic growth and employment opportunities for citizens of the UAE and the region far into the future.

Project Overview

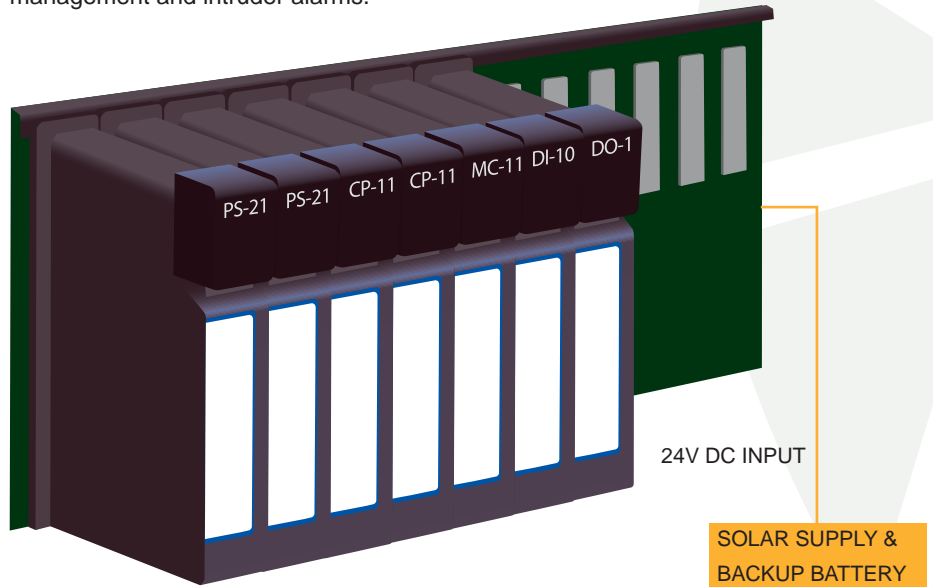
Our scope of supply was to provide redundant Kingfisher RTUs for each of the 8 block valve stations along the pipeline. Each RTU comprises of redundant power supplies and processors providing 100% availability of the system even under failure and severe environmental desert conditions.

The Solution

Each of the RTU's roles provides critical control and monitoring of the valves, cathodic protection system, battery management and intruder alarms.

The RTUs also monitor real-time flow, temperature and pressures. These all communicate back to the control room located at Al Ain through a fibre-optic 'ring' circuit which provides communications redundancy even in the event that there is a break in the fibre-optic cable.

RTUnet supplied Kingfisher Series II RTUs to CSE-Servelec who were primarily responsible for system engineering and commissioning of the control system, communications, Scope-X SCADA and leak detection systems.



Imagebank



Map showing the 210Km Al Ain - Fujairah Gas pipeline