

GAS FOR THE ISLE OF MAN:

IGA completes major new contract

International Gas Apparatus Ltd (IGA) has recently completed a contract for the supply of 2 key Above Ground Installations (AGI's) on the Isle of Man. This is part of a major investment in the gassification of the Isle of Man. IGA are working in partnership with NEL Power and the end client, the Manx Electricity Authority (MEA), on this prestigious project.



The Douglas skid ready to be installed in the kiosk



The Isle of Man is located in the Irish Sea approximately midway between Northern Ireland and the North West coast of England. The principle driver behind the investment is the conversion of the MEA's Pulrose Power Station for gas fired operation. This has been made possible by the laying of a second sub-sea interconnector between Scotland and Eire by Bord Gais Eireann. Gas is increasingly being used as an environmentally friendly fuel for power generation applications. The new station will deliver 75MW and the target date for completion is early 2003.

Inside view of the kiosk showing part of the pressure regulation and metering streams



APPLICATIONS

IGA have supplied a complete Above Ground Installation (AGI) comprising filtration, pre and post (pressure reduction) heating, pressure regulation and metering. This AGI will provide the critical gas supply for the Combined Cycle Gas Turbines (CCGT's) used in the new power station. Gas pressure will be fed from the cross-island pipeline at pressures up to 70bar and delivered to the CCGT's at 36bar.

In addition to providing fuel for the power station, the cross-island pipeline will supply the domestic market as an alternative to the existing LPG supply. IGA have supplied a second AGI, almost identical to the CCGT AGI, for the domestic distribution system in the Douglas area.

Both stations utilise key group products including Axial Flow Valves for all main regulators, Z and ZSC series pilots and Elster TRZ Turbine meters.

IGA's scope of supply included a complete boiler package for the heating systems on both AGI's, together with full flow computation and instrumentation systems.

IGA have an excellent reputation for supplying complete packaged solutions. This type of solution offers many benefits to all parties involved with this type of project. In particular, it makes design

of site layout much simpler since the project management company only needs to prepare concrete plinths and arrange all service connections. Additionally, by delivering all modules fully assembled, performance is guaranteed by design and problems usually associated with on-site construction are eliminated.

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The boiler fuel gas supply