

EXPANDING THE KIOSK INITIATIVE

Intel - Chips with everything

International Gas Apparatus or IGA, have recently completed the design and manufacture of a major Transmission Pressure Reduction Station for the Intel, Dublin site. The contract was awarded by Bord Gais Eireann. Intel, the giant USA based semiconductor manufacturer, is constructing a combined heat and power (CHP) plant on site and this PRS provides the principle gas feed.



This project is another example of IGA's 'Kiosk Initiative' and provides a complete packaged solution including filtration, heating, pressure regulation, metering and boiler fuel gas supply. The complete kiosk is approximately 12m long and 5.6m wide and due to the large size, the design required careful consideration of transportation requirements. The design actually comprises 2 separate skids split along the width of the unit, each of which may be transported individually and re-assembled on site with the interconnecting pipe-work supplied by IGA.

The kiosk will be supplied as a sectional building and will be assembled on site. The photographs included in this article, show views of the module in IGA's factory with just the end walls fitted. IGA's scope of supply on this project comprised:

- ▶ PRS1 Twin Stream Class 300 PRS 40 bar inlet/ 19 bar outlet, Flow 30, 100 SCMH
- ▶ PRS2 Twin Stream Class 150 PRS 19 bar inlet/ 4 bar outlet, Flow 8, 500 SCMH
- ▶ Meter No. 1: 150 mm ELSTER TRZ 19 bar inlet, Flow 8, 500 SCMH
- ▶ Meter No. 2: 150 mm ELSTER TRZ 4 bar inlet, Flow 7,000 SCMH
- ▶ Meter No. 3: 250 mm ELSTER TRZ 19 bar inlet, Flow 14, 600 SCMH
- ▶ Boiler Supply Module
- ▶ GRP Kiosk 12 m x 5.6 m x 2.5 m
- ▶ Lifting / Maintenance equipment
- ▶ Commissioning

The main Pressure Reduction Station (PRS1) supplies the CHP scheme and a second PRS delivers gas at distribution pressure to Intel's internal distribution system. A second metered supply feeds the Bord Gais distribution network.



IGA have given careful consideration to maintenance of the module and the photographs show the lifting davit provided to assist with meter removal. A lifting beam is also fitted to the kiosk to allow removal of the heat exchangers. The site is due to be commissioned in late July.

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