



-power in control

INTUITIVE & USER-FRIENDLY ADVANCED GRAPHICAL INTERFACE SYSTEM EASE OPERATION AT HIGH SECURITY INSTALLATION

CASE STORY: AGI 107



LAND

“This has been an excellent addition to manage the control of our plant electrical feeders, providing us with the confidence and reliability which was lacking with previous systems.”

Glenn Knights, Maintenance Manager, Interconnector UK



AGI 107

Interconnector UK operates a sub-sea 40" diameter carbon steel gas pipeline and compression terminal facilities in Bacton in North Norfolk, England, and Zeebrugge, Belgium, providing a strategic bi-directional link between the UK and continental European energy markets.

The 235 kilometre pipeline is currently capable of transporting 25.5 billion cubic metres of gas per annum from Zeebrugge to Bacton and 20.0 bcm per annum in the opposite direction.

The pipeline's changing flows are dictated by the requirements of gas shippers and place constant demands on the compression and pressure letdown plants that service the pipeline.

Naturally, the plants' power supplies, including backup and emergency power, are critical to every element of the operation.

Operational requirements, maintenance or severe weather may determine transfers between the grid mains supplies and the diesel driven backup site at any time and with little notice. Unplanned power outages have instant and detrimental short term impact on Interconnector's business.

At the Bacton plant, Interconnector used to run a generator synchronisation system for transfers but even with a skilled operator, load transfers with manual controls and synchronising was a nervous task at best.

A sophisticated but simple solution

According to Interconnector UK's Maintenance Manager Glenn Knights, the advantages were many and immediately obvious when Interconnector UK started using DEIF's touch screen human-machine interface (HMI), the AGI 107, to manage transfers.

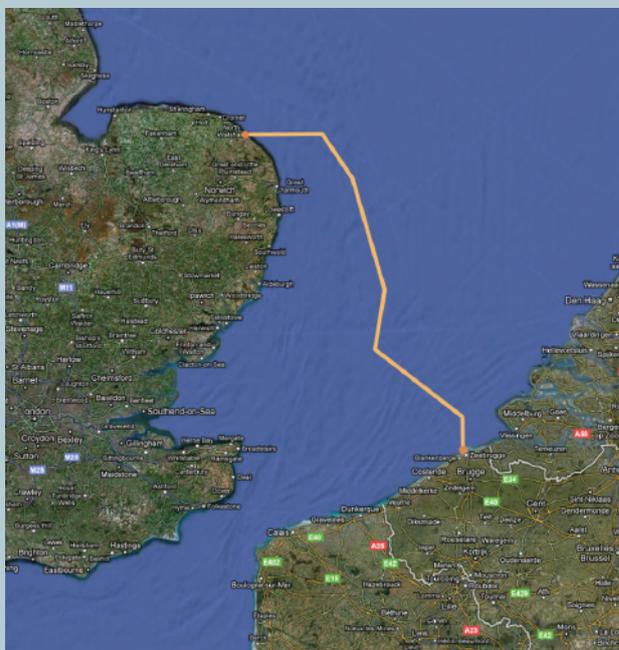
“DEIF's AGI 107 is an intuitive and user-friendly Advanced Graphical Interface system that requires a minimum amount of training for users,” says Glenn who is appreciative that the unit has eliminated the need for the specially trained electrical staff that handled the manual transfers.

Also, the touch screen clearly indicates real time information via graphical representation of the plant and equipment with a simple time-stamped alarm banner for any further in depth information required.

“The user-/owner-defined HMI mimic has introduced a realistic indication of our electrical feeder status and loads, visible to our operators at all times,” states Glenn.

The primary advantage of the AGI 107 system from DEIF, however, is reliable management of the switching and synchronising sequence, with overall automated sequence time being dramatically reduced from the manual procedure. Operator interface has been the key factor in delivering the full benefits of the system, which has been provided by the DEIF HMI touch screen.

Minimal installation work is required for the DEIF AGI 107 unit with simple connections between the HMI and the DEIF control unit.



-power in control