

Extract 2 from acquind.co.uk website

“Inside the Converter Station

At the heart of the Lovedean and Barnabos converter stations will be the latest generation of power electronic converters.

The convertor features hundreds of sub-modules complete with redundant units. This maintains the station in service at full power even with multiple sub-modules out of service. A key design requirement for AQUIND Inteconnector is a considerably high level of energy availability coupled with minimal maintenance requirements. To ensure that no single fault results in a complete loss of the interconnector, AQUIND will be designed as two independent 1,000 MW links. Each link will be fully self-sufficient in terms of control systems, protection systems, auxiliary power supplies and cooling systems. Very few credible faults can result in a complete loss of a 2,000 MW power capability. “