

TP-LVDB – Transition Piece Low Voltage Distribution Board



RENEWABLE ENERGY PRODUCTS

Key Features:

- Turbine Transition Piece Standard Fit
- Offshore Renewable Energy Industry compatible
- Field Proven Industrial Electrical Technology
- IP66 ‘Double-Door’ Rating
- Easy installation & maintenance
- Extended life in field warranty



Product Overview:

The Fathom Systems TP-LVDB, engineered and produced by our specialist Electrical Services & Automation Division, provides the necessary electrical power and distribution requirements within the Turbine Transition Piece. This includes power and lighting requirements from the Transition Piece into the surface installed Tower.

First produced for installation in the 84 Transition Pieces intended for Beatrice Offshore Windfarm Ltd project, the technical specification of the turnkey supply product is fully endorsed by the project supply chain top tiers and lends itself for use in other Offshore Renewable Energy Wind Farm projects.



The Fathom LVDB is installed deep within the Wind Turbine Transition Piece, its key role to provide power and light to the Tower area above.

The all stainless-steel construction allows the rugged IP66 enclosure c/w stainless-steel inner door, to be sited in a harsh marine environment without any structural depreciation for its intended 25-year lifespan.

Core component parts are field proven industrial electrical technology and readily available worldwide if ever needed. All components are factory tested at source and function tested in-situ to prove their reliability and all testing recorded so that clear life-span maintenance/testing may be carried out in the future to maintain the integrity of the overall system.

- Designed and compliant with EN 61439-2, LVD 2014/35EU
- Ingress Protection rating IP66
- Dimensions – H1000 x W800 x D300mm
- Materials – all stainless steel (316 grade) construction
- Other Mechanical Detail – Stainless steel inner door c/w access to operate main isolators and MCB's.
- Temp Range – (operational) -40 to +80 deg



Beatrice Jacket and Transition Piece Fabrication

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