



Pitch Control Retrofit





IMD 100 w. option internal 24V and wire harness

Increase turbine availability and secure reliability on your pitch controller and drive

DEIF delivers a complete retrofit solution for wind turbines still using outdated pitch technology. Maximising reliability of the entire pitch system along with turbine availability, DEIF's pitch retrofit solutions are customised for wind turbines from 1.5 to 2.5 MW and with electrical pitch systems. You can choose one of the following solutions or both depending on your turbine specifications.

Pitch controller plug-and-play solution

DEIF's pitch motion controller, the PMC, is a plug and play replacement for old pitch controllers. Part of a customised solution with a gateway functionality that enhances the slip ring communication with the turbine main controller right away, the solution is particularly suitable for wind turbines in the L&B pitch controller. For service operators, we offer access to additional data logging features and support for new control features to comply with LVRT and HVRT requirements.

Retrofit solution for easy pitch drive replacement

For easy replacement of the pitch drive, DEIF's pitch drive retrofit kit can be installed without altering the original system design. It constitutes a good alternative to old with turbines fitted with for instance MOOG CDE54 drives or Pitch Master 1. The retrofit kit is flexible and is built to fit the new pitch drive into existing plugs and connections to ensure easy installation without affecting the pitch system. With its double safety chain, the IMD improves the overall safety of the turbine. DEIF offers a 5-year warranty on the new retrofitted drive, which includes patented battery storage monitoring as one of the new features. With this solution, you will lower your service cost and the overall Cost of Energy (CoE).

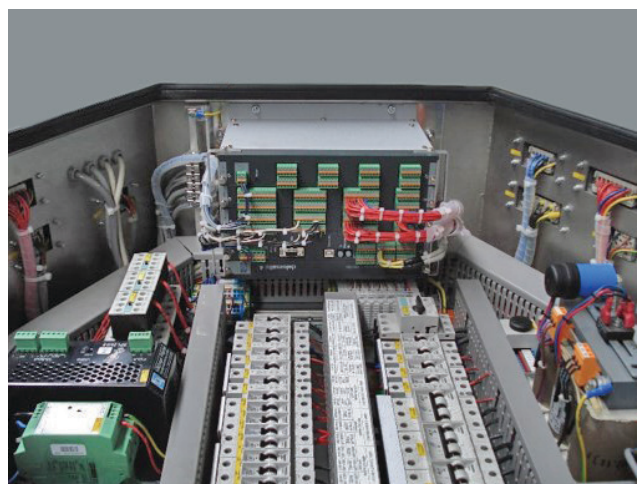


The retrofit solution kit for pitch drive replacement:

- Pitch Drive, Integrated Motor Drive, IMD 100
- Pitch Motion Controller, Hub to Nacelle control. AWC 500 controller configuration and pitch software, depending on turbine type.
- 1:1 installation guide and wire harness

Benefits

- Customised retrofit wire harness for 1:1 pitch drive replacement with the new IMD 100 drive
- Increased turbine availability and product reliability
- Higher safety performance level of your pitch system with DEIF IMD 100 (PL. D)
- AWC 500 pitch motion controller for direct turbine communication and gateway
- Life-time extension
- 5-year warranty





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