

CASE STUDY

CLIENT	General Electric
PROJECT	Thepharak Wind Farm Thailand
SCOPE	Pitch Motor Exchange Tooling Equipment Fabrication



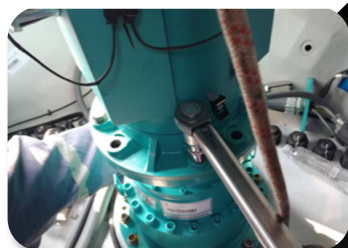
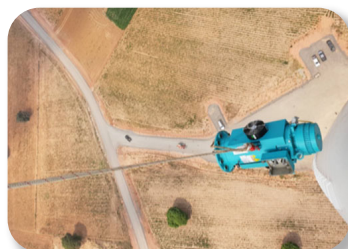
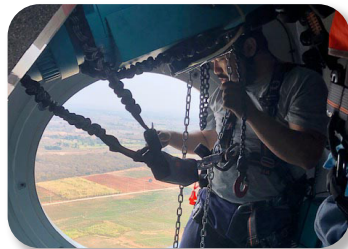
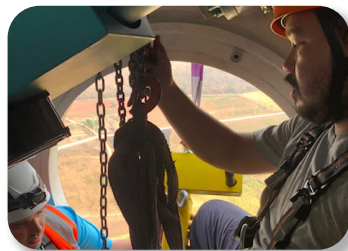


The electrical maintenance teams from the FPT-Global Renewables Division were requested to replace a failed blade pitch motor in one of the wind turbine units at the Theparak Wind Farm Project, located in Chaiyaphum province, Thailand.

Before commencing work, a safety review of the replacement procedure was conducted to identify any possible hazards to the ongoing operations in the immediate area. The review was especially critical for this task given the weight of the motor, small workspace and configuration in which the motor needed to be lowered from the hub.

Specialised tooling was required for the pitch motor replacement, which had to be fabricated and certified locally per manufacture design as it was not available in Thailand. FPT-Global was tasked with the fabrication of this tooling equipment and ensured all standards were met to include the high-grade steel requirement.

Work instructions issued by the client were strictly adhered to along with the creation of new temporary procedures due to the high risk involved. The combination of general instruction and specific operational challenges identified by the FPT Global teams ensured the project was carried out in an efficient and speedy manner.



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