

# PRODUCTS IN ACTION

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## Micon 600/48 Cabin House



*Micon 600/48*

Micon is one of the leading windturbine manufacturers on the global market. Micon relies on sub-suppliers to produce the various components in a windmill such as the rotor blades and cabin house. The Micon 600/48 is an example of medium size Micon wind turbine with a nominal effect of 600 kW and a rotor diameter of 48 meter. The tower height varies from 46-70 meter.

The cabin house of the Micon 600/48 is a sandwich construction and is produced by several different sub suppliers. The cabin is manufactured with traditional hand lay-up of laminates and core material in a female mould. By using sandwich technology, a construction with high strength to weight ratio is achieved. Apart from minimising maintenance work, sandwich further enables a freedom of design which is not always possible with conventional materials.

<b>Core material:</b>	<b>Divinycell® H-grade in different densities delivered in kits</b>
Laminates:	Glass fibre / Polyester
Manufacturing method:	Hand lay-up in female mould
Manufacturer:	Bach, SI Plast and Technofibre
Design:	NEG Micon
Structural Analysis:	DIAB Technical Services

