

**The Grove GTK1100 Crane arrives in a field in
Germany carried on four trailers**



The crane has to be assembled before it can begin the task of installing a 2KW wind turbine

First The Outriggers are lifted into place



The hook block is reeved



The superstructure is raised



...and lowered into place



Up goes the mast



..which locks into the vertical position



The pendant supports are then lifted into place



The mast is telescoped



The pendants are tensioned and the crane is ready to work



The tower mast is in 3 sections weighing 62 tonnes, 53 tonnes and 45 tonnes respectively.

Here the second tower section is lifted into place



The top section weighing 45 tonnes is located



Next the 70 tonne nacelle, the heaviest single load, is lifted



...and placed on to the 70m mast



The Grove GTK 1100 lifts an eight tonne blade in tandem with a mobile crane, assembling the propeller module on the ground



The blade and hub assembly weighing 42 tonnes is lifted into place

