

Off-grid Electrification in Mongolia and China



CONERGY



The German international cooperation enterprise for sustainable development, GTZ, implements structural development projects all over the world. For a large-scale rural electrification project in Mongolia and China the GTZ opted for the Inventus 6, the previous model of the Conergy SWT, because of its simple and solid design. The wind generators have to withstand not only sandstorms but also very low temperatures during wintertime and extreme heat in the summertime. The Inventus 6 turbines successfully proved their reliability even under the extreme weather conditions prevailing in these regions.

Technical reliability and ease of maintenance were a prerequisite for this technology transfer, since the systems needed to be kept in good condition by locals maintenance professionals without outside help. The machines were used in combination with battery systems for general electrification, but also for water pumping and telecom applications.

WIND POWER

Project Data

Location	Xinjiang, Inner Mongolia, Guangdong
Initial operation	1991
Systems	Battery systems, water pumps
Generator	30 Inventus 6 small wind turbines