

RENEWABLE ENERGY

STABLE POWER FOR REMOTE WIND TURBINE INFRASTRUCTURE



CHALLENGE

Wind turbine installations in remote areas required edge network devices powered by 12V, while local infrastructure only offered 48V DC. Fluctuating power levels and harsh conditions introduced reliability concerns.

SOLUTION

Rackmount.IT developed a DIN-mounted power kit with robust 48V-to-12V DC-DC conversion, designed for use in vibration-prone and weather-exposed turbine enclosures.

RESULT

The solution delivered stable, consistent power to edge appliances, improving uptime, reducing maintenance visits, and ensuring network continuity in critical energy infrastructure.