

RNRG CASE STUDY



Wind Project Developer Prefers Using RNRG Complete System Solution

COMPANY

- Mexico Power Group is a project development group headquartered in Tijuana, Mexico, and has been a leader and pioneer within the renewable energy industry since 2000.
- The Mexico Power Group develops, constructs, operates, and maintains wind and solar projects.
- Mexico Power Group is currently developing projects in nine Mexican states, spanning practically every significant wind area that has been identified in Mexico.

BUSINESS SITUATION

Mexico Power Group (MPG) has many potential wind measurement sites in Mexico that commonly present four main challenges:



- **Access**

Sites are difficult to access and transporting towers and installation equipment is challenging.

- **Security**

Vandalism is a major concern; climbable lattice towers provide vandals a “ladder” to access valuable equipment.

- **Installation expertise**

Technical field personnel capable of installing and maintaining remote, complicated measurement equipment are difficult to find.

- **Tight deadlines**

Sites typically require quick turnaround from procurement to installation to meet development deadlines. “As soon as possible” means days, not weeks, for deployment.

TECHNICAL SITUATION

- Since locally manufactured lattice towers and a mixture of components from different manufacturers are not a viable option due to access, security, installation, and deadline requirements, MPG required a measurement platform solution to quickly deploy measurement systems in Mexico.
- Additionally, a proven communication system to deliver data to MPG U.S.-based headquarters was desirable.
- It was determined that a turnkey measurement system that could be easily transported to remote sites—one that was easy to install, could be delivered in one week, and was not climbable—was a project requirement.

RNRG CASE STUDY (continued)



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SOLUTION

MPG selected the RNRG 60m XHD NOW System to address all requirements:

- The system design assumes the developer is operating in a remote, difficult to access, off-grid site location, has only minimal tools to support system installations, and requires minimal technical aptitude to install, operate, and maintain the system.
- Data collection via integrated cellular modems or satellite links that are pre-configured before they arrive to the site was paramount to ensuring reliable data delivery.
- Industry standard SymphoniePLUS3[®] data loggers, RNRG Class 1 sensors, and all support components designed specifically for these instruments and sensors ensure a standardized, rapid, and reliable set up.

BENEFITS

The complete RNRG 60M XHD NOW System solution is only offered by Renewable NRG Systems and provides developers like MPG substantial cost benefits through the entire wind resource assessment study campaign, including:

- Rapid delivery and installation
- Reduced installation delays due to late incoming equipment from different manufacturers
- Pre-configured, set-priced monthly cellular / satellite fees
- Reduced site visits due to vandalism, incompatible components, and unstable communication links
- Free surface shipment from RNRG to customer site
- Free lifetime technical support

