

WRA Services

MIX & MATCH

Developing wind power projects requires an extensive range of highly specialized tasks. At Delairco, we curate and integrate our service modules to provide the optimal solution tailored to each client. We also offer a comprehensive, turnkey solution – **Data Subscription Service (WDaaS)**. To learn more about our services, please contact us.

Feasibility & Planning

Site Survey

- Mast GPS positioning
- Access route
- Communication signal (LTE /satellite)
- Difficult sections.
- Grid power route

Key checks

Wind Modeling Data

- **Vortex ~Data Solutions~**
- Seven data products designed for use across a wide range of wind power development applications.



Support for Selecting Tower Contractors

- Selection Triggers
- **Types of Met Masts**
 - Triangular or square lattice towers
 - Free-standing towers
 - Monopole towers
 - 60m~90m towers
 - Installation Location / timing

Power Supply Proposal

- Independent power supply
 - ※Solar or fuel cell
- Commercial power line
 - ※Up to approximately 5km



Installation

Support service

- Overall coordination
- Hunter arrangement
- Permission support etc.



Provision of Wind Measurement Equipment

“With world leading European wind-industry Standards”

- Kintech solution (sensor-based)
 - A wide range of sensor options
 - The world-leading ZXLidars series (remote sensing)
- Sales or Rental options

Commissioning

- Commissioning of Kintech system (sensor-based measurement)
- Commissioning of ZX Lidars

● Data reception starts next day!

Measurement campaign

Data Report

- Japanese**
- Comprehensive version
 - Summary version

- English**
- Online ZX portal



Regular Maintenance

- **Site inspections**
 - 2 visits/year recommended
 - Inspection of whole system
 - Visual inspection of the mast.
- Joint inspection with tower specialists (optional)

Troubleshooting

- Initial check, when data is not received
- Arranging sensor replacement
- Commissioning after sensor replacement



After campaign

Met Mast Dismantling

- Arrangement of dismantling contractors
- Support for removal of ZX Lidar
 - ※To avoid accessory damage or loss during dismantling, professional support is recommended.
- Transportation of stored equipment

ZX Lidars Service Maintenance

- Service spot reservation
 - Arranging transportation (domestic and international)
- ZXLidars recommends service every 3-5 years to maintain long-term reliability.

Data Subscription “WDaaS”

- **WRA Data as a Service**
 - One-stop service from survey to dismantle.
 - **Obtain wind data without owning any equipment.**
 - Greatly reduced of administrative burden.