

# WRA, MICROSITING, WIND MAST INSTALLATION, WIND SENSORS SUPPLY, & ANNUAL MAINTENANCE CONTRACT (AMC),

**AWTepI** has an experienced team, skilled at installing wind monitoring met masts and providing with its Annual Maintenance Contract (AMC).

We provide lattice type mast up to 150m height with supply and installation of wind monitoring industry standard equipment's (NRG, Ammonit, Kintech and Lattice masts).

We ensure fully trained, reliable, trouble-free installation team using appropriate certificated testing equipment for installation of the mast.

AWT has more than 100 mast installed, on a rapid response to any request. From small projects to large wind farm developers, we provide a wide range of wind monitoring products to suit all applications by carefully matching the right wind monitoring equipment, to the correct met mast.

Our confidence, experience and technical knowledge is good enough to provide the best solution for your wind site.

## WIND RESOURCE ASSESSMENT & WIND MAST DESIGN

The design for a wind mast depends on the location and project. We ensure to follow all the necessary guidelines to determine the best location for your wind mast to be installed, with suitable dimensioning of booms and can advise you on the choice of number, kind and measuring height of the sensors with the help of micro siting and wind resource assessment.



Assure to provide with full recognition of the wind package in order to provide you with a reliable basis for your planning and for making decisions.

## PERFORMANCE AND ANALYSING YOUR DATA DURING AMC

AWTepI collects your daily measurement data and provides daily examination of the functionality of the measurement system of your mast.

If any problem noticed, we will determine and remedy it quickly and efficiently on time. All relevant parameters of the wind are measured and summarized in regular reports to always keep you up-to-date on your mast data. We promise to assist you with support and advice throughout your entire project during the entire annual maintenance contract.

Till now we have completed WRA and Pre-feasibility Study for more than 535.5 MW. We have a collection of all available data including nearby locations and Time-series of measurements carried out in the past using wind pattern assessment and following analysis:

- Atmospheric reanalysis data-NCAR/ NCEP Data and Published data
- Numerical models at Meso and Micro levels
- Spatial and temporal correlations and trends analysis
- Power curve measurement & revalidation under site conditions
- Use of calibrated anemometers, wind vanes and data logger
- Remote data transmission via GPRS modem
- Preparation, analysis and interpretation of measured meteorological parameters
- Monthly reports
- Bankable reports

## Advantages of AWTEpl

- All services from one single source
- Cost-effective and efficient
- Competent preparation of expertise and development of monitoring concepts
- On-site partners for delivery, installation and maintenance of masts
- Optimized integration in wind energy yield expertise.