ANCHOR BOLTS TENSIONING

Why is anchor bolts tensioning important?
Because anchor bolts represent the parts used to connect the foundation to the adapter upon which the wind turbine’s tower is mounted and thus regular maintenance is required for keeping proper tension in the bolts.

Due to strong operation vibrations and high wind speeds powerful dynamic forces occur. These forces translate into differences in the tower assembly and this is the reason for which anchor bolts tensioning is crucial for keeping the tower from breaking and therefore the wind turbine in safe operating conditions.

Why ask for anchor bolts tensioning?
For keeping the wind turbine in optimal working condition regarding torque and especially anchor bolts tensioning, the right information for this procedure should be applied. Knowing the problems that can occur if anchor bolts tensioning is not done properly can increase the efficiency of the wind farm.

What are the key components of an anchor bolts tensioning?
After getting the dimensions of the anchor bolts, the right tension, pressure and torque is calculated. With the right data in hand the actual procedure is applied. Both software and hardware equipment is installed and using the required data provided, the actual tension is applied on the bolts.
How is anchor bolts tensioning performed?
By using a high performance hydraulic tensioning device and related software.

Preloading and elongation of each anchor bolt is checked. The calculated values of tension, pressure and torque are then applied to each anchor bolt.

What is delivered after anchor bolts tensioning?
Professional Anchor Bolts Tensioning Report containing detailed information and parameters of the wind turbine, high resolution pictures of every step of the worked performed and actual values on each bolt obtained before and after the tensioning procedure along with recommendations for a better functionality.

Why choose us?
Highly skilled technicians with a continuously growing field experience guarantee a professional approach towards the anchor bolts tensioning activity on multiple wind turbine foundation types.

Also, the usage of high end equipment and accessories adds to the safety climate in which the tensioning is performed.

A zero complaint record counts as much if we consider the 40+ wind turbines for which anchor bolts tensioning has been performed so far since market entry.