

METEOROLOGY TOWERS

SELF SUPPORTING
AND GUY-WIRE TOWERS



The specialist in mast production

Carl C. A/S was founded in 1969. Ever since its inception, the company has specialised in the production of steel masts. Today, the company supplies many different types of mast to diverse industries where quality and safety are a top priority.





IDEAL FOR OFFSHORE USE

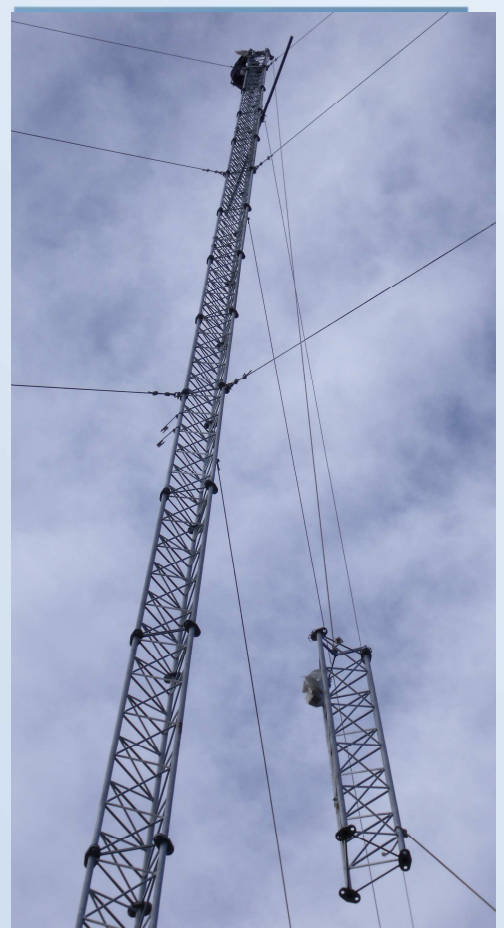
Carl C. A/S has delivered several meteorological towers for offshore use. The slim design is characteristic of meteorological towers from Carl C. A/S. This gives even very tall towers a fine appearance in conjunction with the monopole on which the tower is installed.

The slim construction is also advantageous during transportation to the site as well as during the installation, as the working space required on the platform is minimized thus saving money. As standard all Carl C. A/S towers have a high quality, hot-galvanized coating, which often exceeds a zinc level of 200 microns. This ensures a long life, even in an aggressive offshore environment.

STRONG AND BEAUTIFUL DESIGN

Self supporting meteorological towers from Carl C. A/S are available for heights exceeding 100 meters. The slim and streamlined design of solid round bar members ensures minimum impact and flow distortion of the wind measurements. The structural calculations of Carl C. A/S towers are made by external consulting engineers with many years of experience and expertise in tower design. Calculations are made according to standards such as Eurocode, Scandinavian and British standards. Often the requirements of the IEC-standards are of decisive importance for the structural calculations of meteorological towers.

140 meter free standing tower in Spain. Installed at the test center for wind turbines.







Quality

Carl C. A/S has always been known for supplying high-quality products.

To ensure continued high quality, Carl C. A/S is certified to quality management system standard EN ISO 9001. Carl C. A/S is also certified to production quality management system standard EN ISO 3834-2.

These systems encompass the most rigorous European quality requirements for the fusing of metal materials. In combination, these two systems are our customers' guarantee that they are getting a product that meets their specified requirements and that the product will be supplied on time in the expected quality.

These systems further ensure that Carl C. A/S has at its disposal a team of welders who have the required knowledge and training to be able to plan, carry out and monitor welding work in compliance with these standards. This means that all welders in the company are certified and that staff coordinating welding projects have the required qualifications to do so. Checks and controls of welding work are carried out both internally and by an external control body. Our welding work is always documented by field reports.

Carl C. A/S is further certified to DIN18800-7, Grosse Eignungsnachweis, which means that the company has been certified to supply steel structures to the German market.

Most recently, we have also become certified to European standard EN 1090, which means that the company is certified to manufacture to Eurocode standards and to CE Mark steel constructions.

All processes are monitored and documented to ensure that our products are always supplied with an extensive quality documentation folder.





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