



SCANTER 5202 Radar

Controlling Wind Farm Obstruction Lights

Wind turbines and Aviation

The increasing size of wind turbines are creating challenges for both the wind industry as well as authorities when it comes to obstruction lighting and marking of wind turbines.

As wind turbines start to “grow” into the lower air space, the requirement for marking and obstruction lighting of wind turbines increase as well. The high intensity lights required for high wind turbines can appear very dominant in an otherwise pristine night sky.

The SCANTER 5202 radar system will monitor the airspace around the wind farm and only activate the obstruction lights when aircraft are within a specified range of the wind farm.

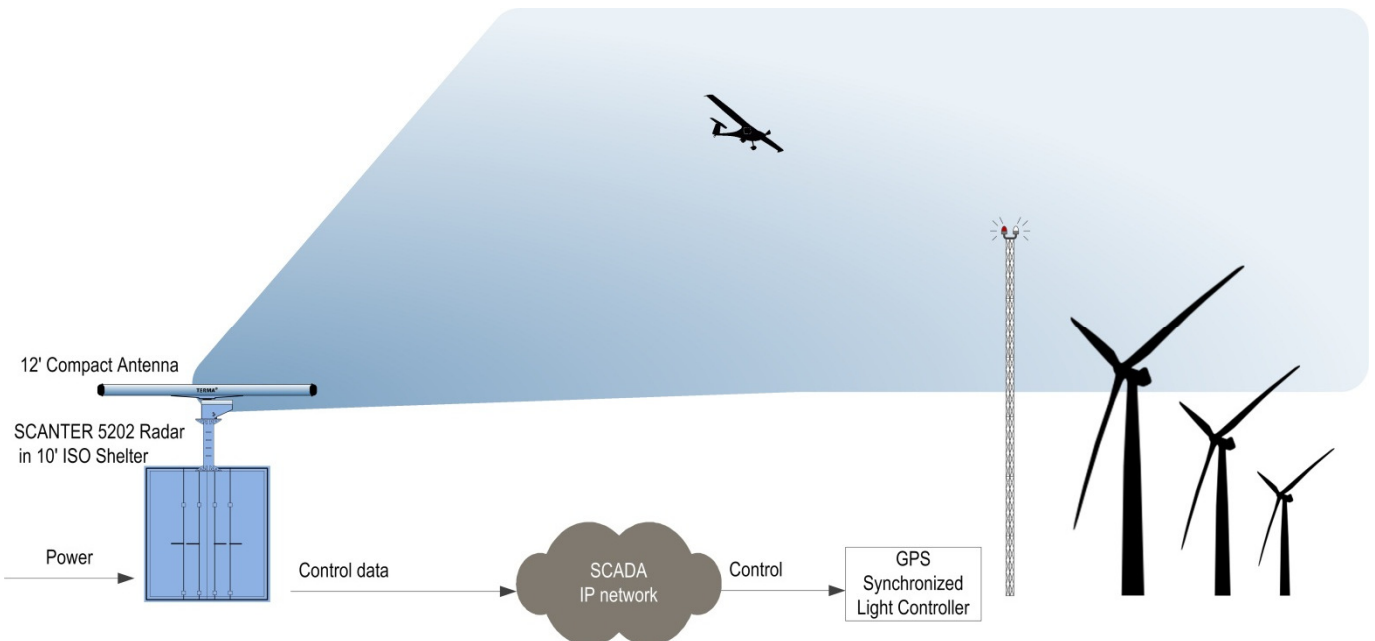
SCANTER 5202

The SCANTER 5202 is primary surveillance radar operating in X-Band.

The radar can be installed inside the wind farm area or outside the wind farm depending on what is optimal for coverage of the area.

Features:

- Detection of non-cooperative targets
- No transponder required onboard aircraft
- No installation required on turbine(s)
- No modification required on turbine(s)
- Large range coverage – in most cases one SCANTER 5202 will cover an entire wind farm
- Flexible installation (e.g. shelter)



SCANTER 5202 Radar

Controlling Wind Farm Obstruction Light

The SCANTER 5202 Radar System is an X-band, 2D, fully coherent pulse compression radar, based on Solid State transmitter technology with digital software defined functionality. A variety of antenna types is available within the Terma antenna program with different characteristic and radiation patterns to accommodate different terrain topographies.



SCANTER 5202 Radar Transceiver

About Terma

Terma develop products and systems for defense, civilian authorities and security applications. Since 1949, Terma has accumulated deep and thorough know-how on radar technology. More than 1800 SCANTER radar systems are operational worldwide in airports, harbors, in coastal surveillance systems and onboard ships.

Terma is headquartered at Aarhus, Denmark and maintains international subsidiaries and operations in The Netherlands, Germany, Singapore and the U.S.

Further information about Terma is available at www.terma.com

