

# OBSTRUCTION LIGHT CONTROL

**Terma's Obstruction Light Control (OLC) vastly reduces light pollution, and increases public acceptance of wind farms.**

[Introduction](#) [Benefits](#) [Functionality](#)

## Sustainable energy

We need to implement more sustainable energy for a future less dependent on fossil fuels, and wind energy is a great contribution to a sustainable energy grid. At Terma, we have solutions to support the implementation of more wind energy, and at the same time reduce the visual pollution caused by wind farm obstruction lights.

## Turn obstruction lights on – but only when needed

Terma's SCANTER radars have fully digital signal processing and Solid State technology, providing extremely clear radar images with low probability of false alarms. Our SCANTER radars detect non cooperative targets such as small aircraft, including ultralights and birds in any conceivable weather condition. Therefore, obstruction lights are turned on only when needed.



Terma's radars can truly co-exist with wind turbines without the need for blanking out wind farm areas

## Scalability

Our OLC solution provides 360 degree coverage (24/7) of up to 2,100 km<sup>2</sup> of wind farm surveillance. SCANTER radars for our OLC solution have an instrumented range of up to 26 km detection radius, making our solution ideal for both small and large wind farms. For wind farms with a scattered layout, and to accommodate for future developments and expansions of the wind farm, additional SCANTER radars can be added.

## Cost-effective

The scalability and flexible positioning of the SCANTER radar to mitigate multiple wind farms with a single radar is important to bring down the total cost and provide scalability to grow with future expansion of the wind farm.

## Product sustainment

The Terma SCANTER radar family has proven its performance, reliability, and sustainability in security applications all over the world. Based on Terma's vast know-how and leading hardware and software technology, SCANTER radars provide our clients with a proven platform ensuring high availability (High Meantime Between failure).

## Service & Support

At Terma, we know the importance of keeping the blades spinning. That is why we offer global Support & Service Agreements for up to 25 years, supporting long time sustainability and obsolescence management of our SCANTER products throughout the life time of the wind farm.

## CONTACT

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## COLLATERAL

[Aircraft Detection Lighting Solution - SCANTER 5202](#)

[DFS SCANTER 5000 Type approval](#)

[FAA SCANTER 5000 Type approval](#)

[Turning Tower Lights off](#)

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- [Vessel Traffic Services](#)
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- [WindEnergy Hamburg 2020](#)
- [WindEurope Conference & Exhibition 2019 \(1\)](#)
- [AWEA WindPower](#)
- [Wind and Emergency Response 2019](#)
- [Vessel Traffic Service Radars for Two Additional Indonesian Seaports](#)

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