



# TERMA ADLS SOLUTION

## THE SAFE CHOICE FOR WIND FARMS

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When choosing the best suited ADLS solution for your wind farm, it should keep you on the good side of local communities and airports – stakeholders who may have a great interest in the success of your wind farm project - it's not enough that the solution is compliant with the official regulations and requirements.



The increasing size and height of wind turbines are creating safety and societal challenges for the wind industry, the authorities and the surrounding municipalities when it comes to complying with air traffic regulations. The required high intensity lights for wind turbines can appear very intrusive to wind farm neighbors and to an otherwise pristine night sky. These problems can be overcome by installing the Aircraft Detection Lightning System (ADLS) from Terma. We ensure that the lights are only turned on when an aircraft is in the vicinity of the wind farm thus vastly reducing the light pollution of the surroundings.

Terma's ADLS solution for wind farms is endorsed by more wind farms worldwide than any other provider and is based on our proven and reliable technology ensuring continuous operation and low maintenance costs.

### Key Benefits

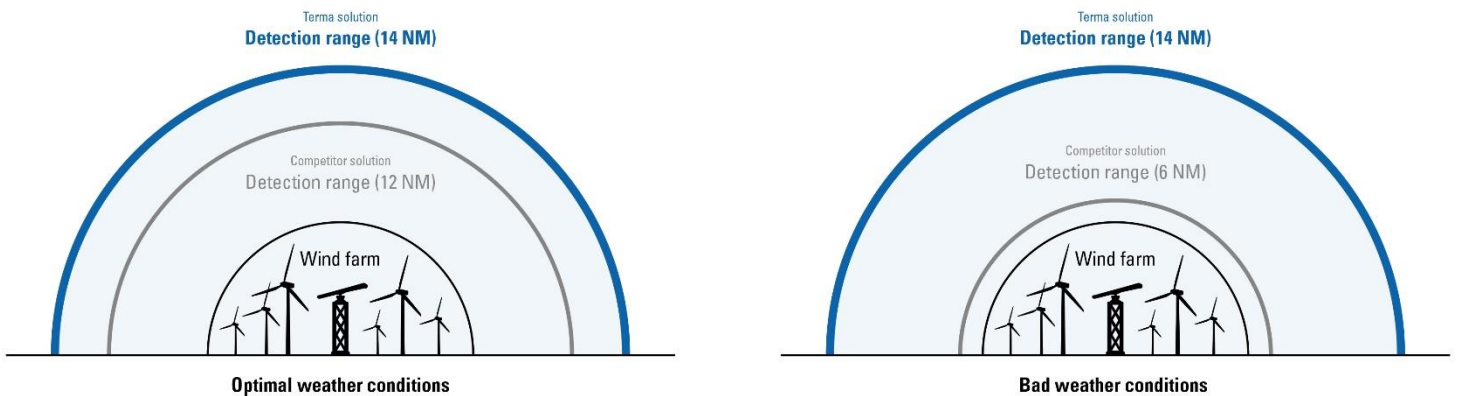
- **Flight safety** - long detection range to ensure that all airplanes are detected (14 NM)
- **Visual pollution** – The lights are only active when an airplane is near reducing the visual pollution substantially
- **Superior performance** – based on leading technology that works perfectly in all weather conditions and with all major wind farm disturbances
- **Cost effective** –Flexible turn-key solution, high quality and access to global service and support agreements will bring down the total lifetime cost
- **Scalability** - 360° coverage (24/7) of up to 16 US miles radius/815 square miles area of wind farm surveillance with a single radar. Additional radars can be added in future if needed
- **Approvals** - the most widely approved solution, certified for deployment in US (FAA), Germany (DFS) and Denmark (TBST) and compliant with all patent requirements



## Select the right ADLS Solution

We recommend that you always ask your ADLS supplier for customer references and documentation of the performance such as:

- The ADLS performance in all weather conditions
- The mitigation of wind turbine interference
- The percentage of light-on rate
- The placement of the radar in height and on site to ensure optimal performance



The illustration shows the performance of Terma's ADLS solution and a competitor solution in good/bad weather conditions

## Terma – Keeping the skies safe and the nights dark

At Terma, we support green energy programs by minimizing the impact on local communities without compromising flight safety. With more than 30 years of experience within high quality and reliable radar systems, we can provide you with the best and safest solution for your wind farm.

Wind farm projects worldwide with Terma's ADLS solutions are consistently satisfying all stakeholder concerns with our approved and leading edge, yet budget friendly technology. When choosing the ADLS solution from Terma, you get the highest possible flight security and reduction of light pollution. Please contact us for additional information on performance or customer references.



For more information on our ADLS solution, please visit [www.terma.com](http://www.terma.com)