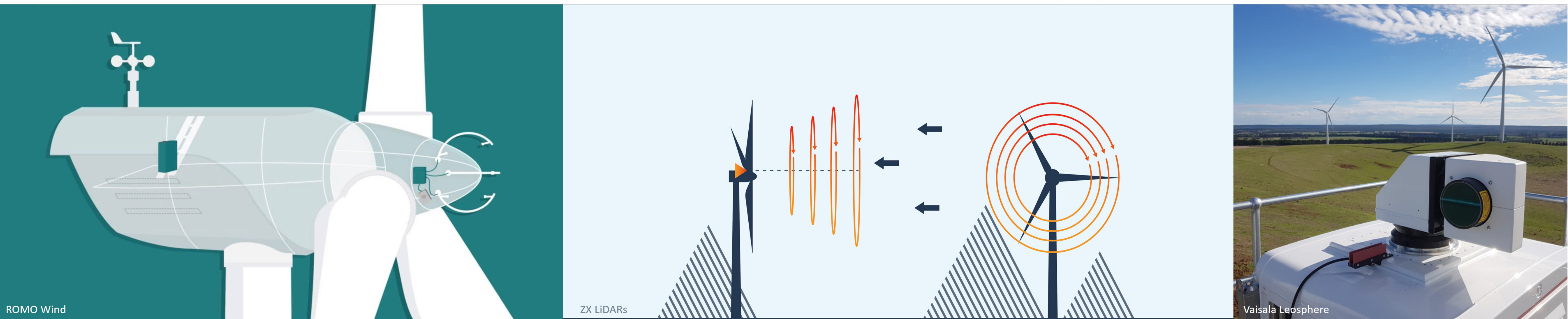


Optimizing energy output using nacelle LiDARs & iSpin spinner anemometers

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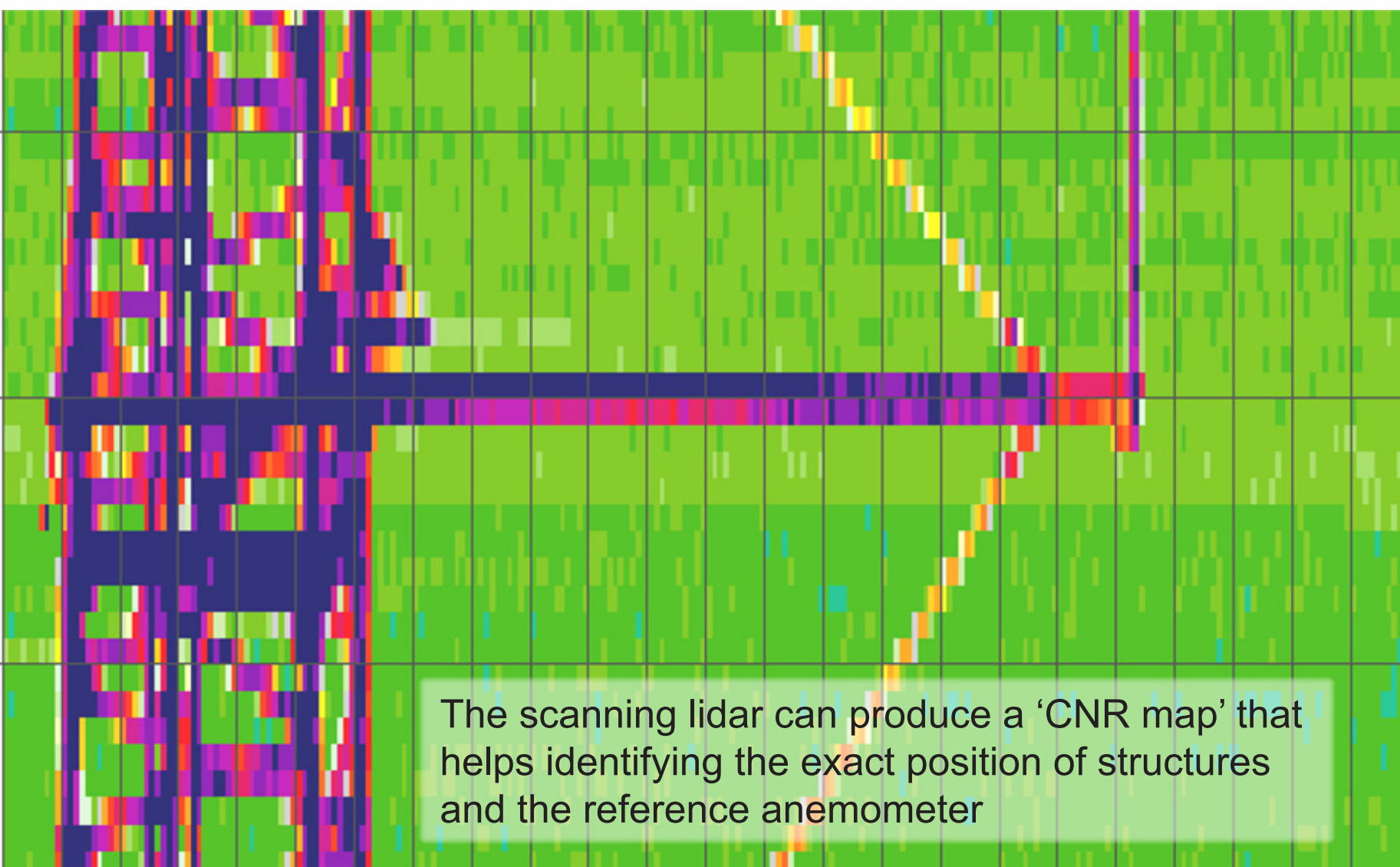


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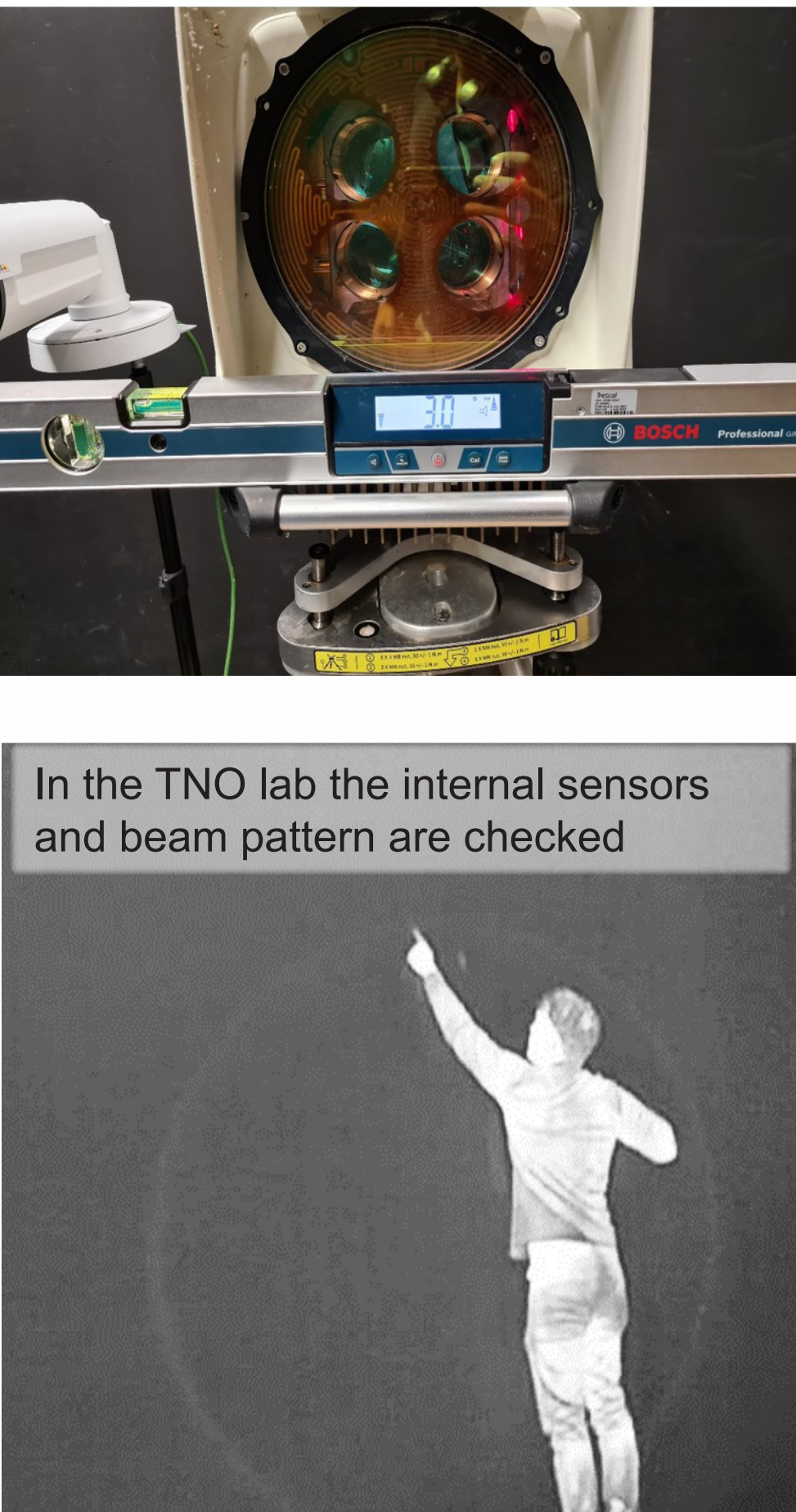
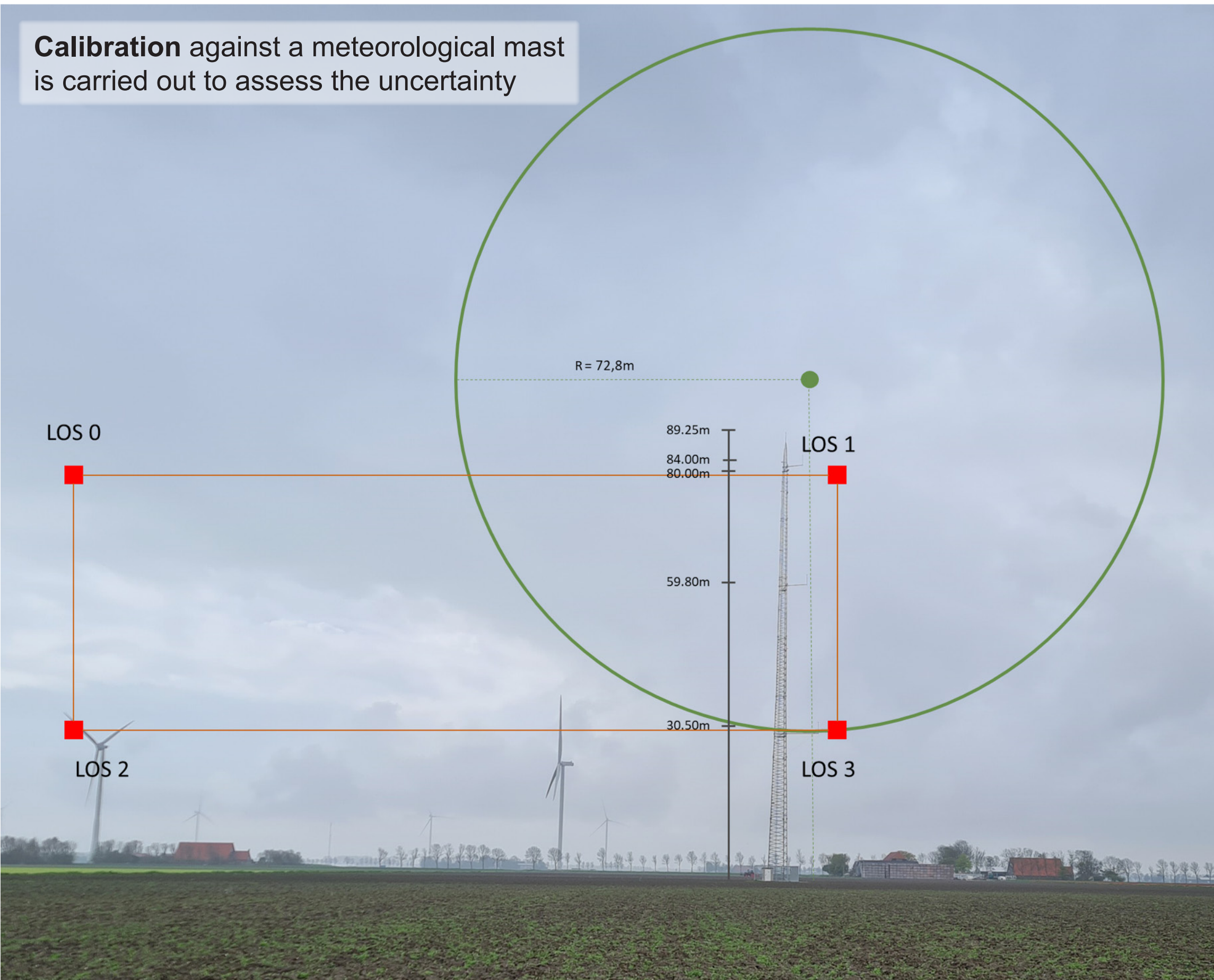
How could you use **spinner anemometers** and **nacelle LiDARs** to identify yaw misalignment in (waked) conditions? How do different nacelle LiDAR models compare? And what is the added benefit of these sensors in wind farm control applications?



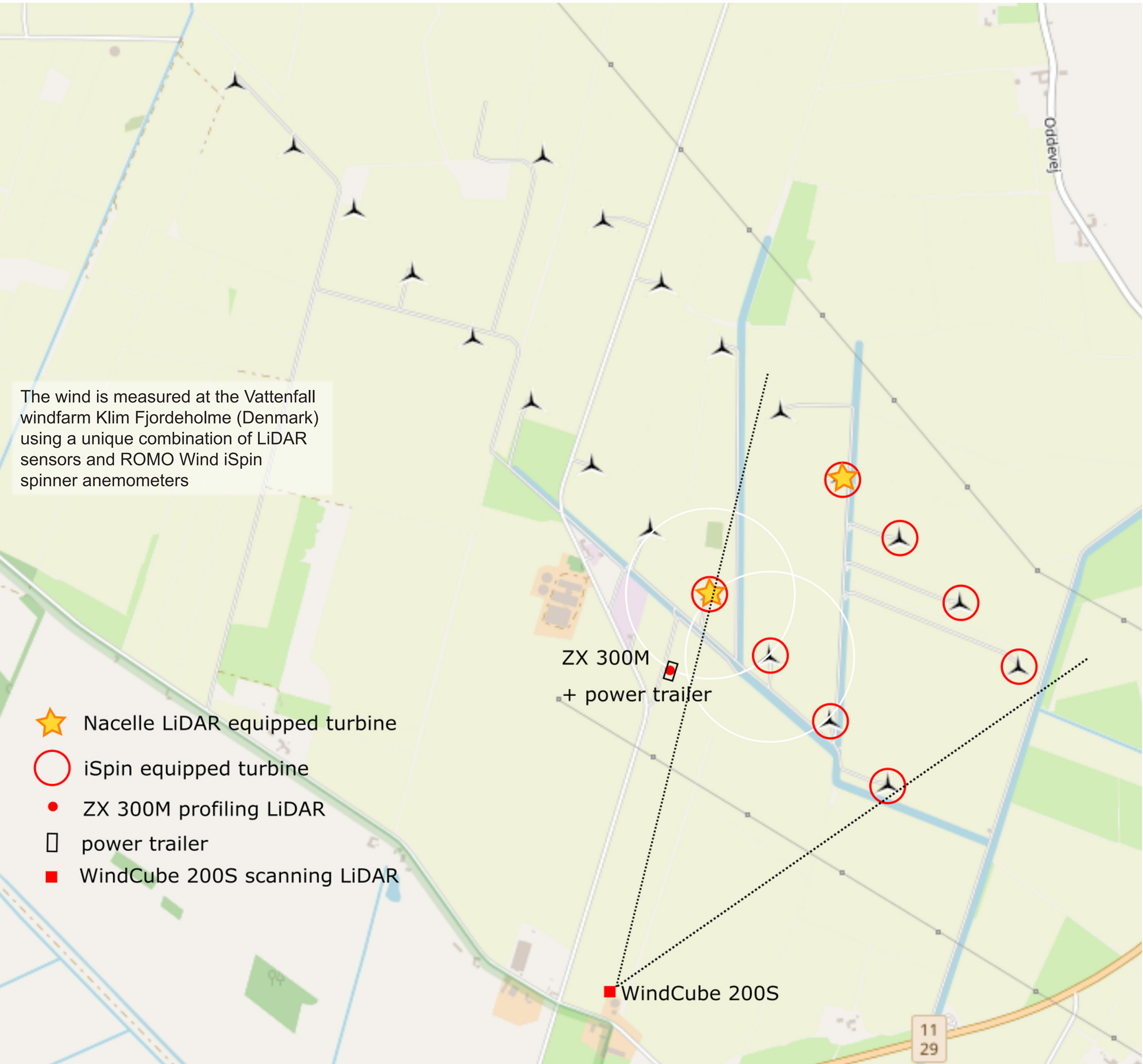
Aligning the line-of-sight to the reference sensor



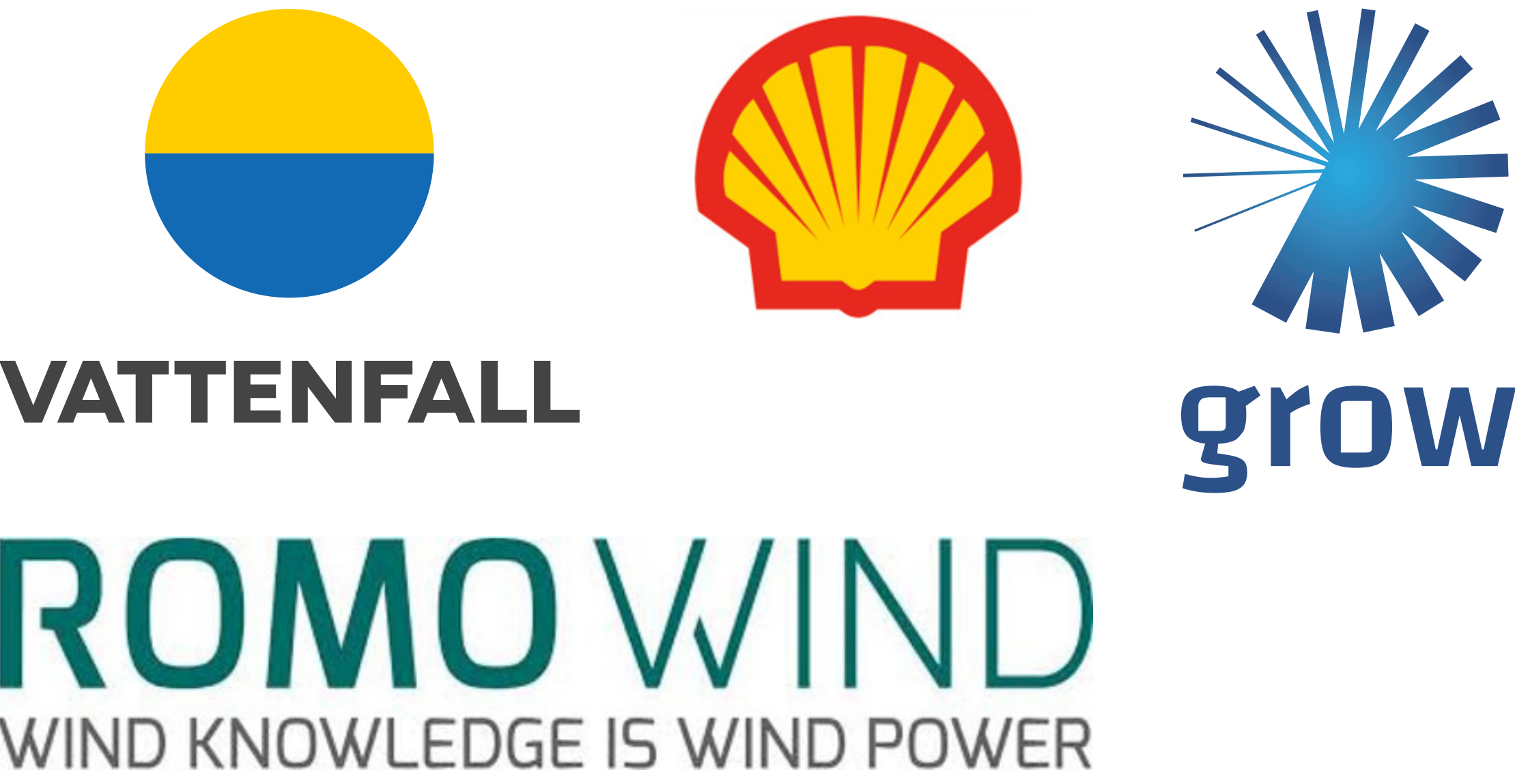
The scanning lidar can produce a 'CNR map' that helps identifying the exact position of structures and the reference anemometer



In the TNO lab the internal sensors and beam pattern are checked



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The project 'Sensor Assisted Wind Farm Optimization' is sponsored by the Topsector Energy of the Dutch Ministry of Economic Affairs and Climate Policy under the Hernieuwbare Energie program (TEHE118022)

Learn more about the project at the website of GROW by scanning the QR code

