NAVIGATION AID SOLUTIONS

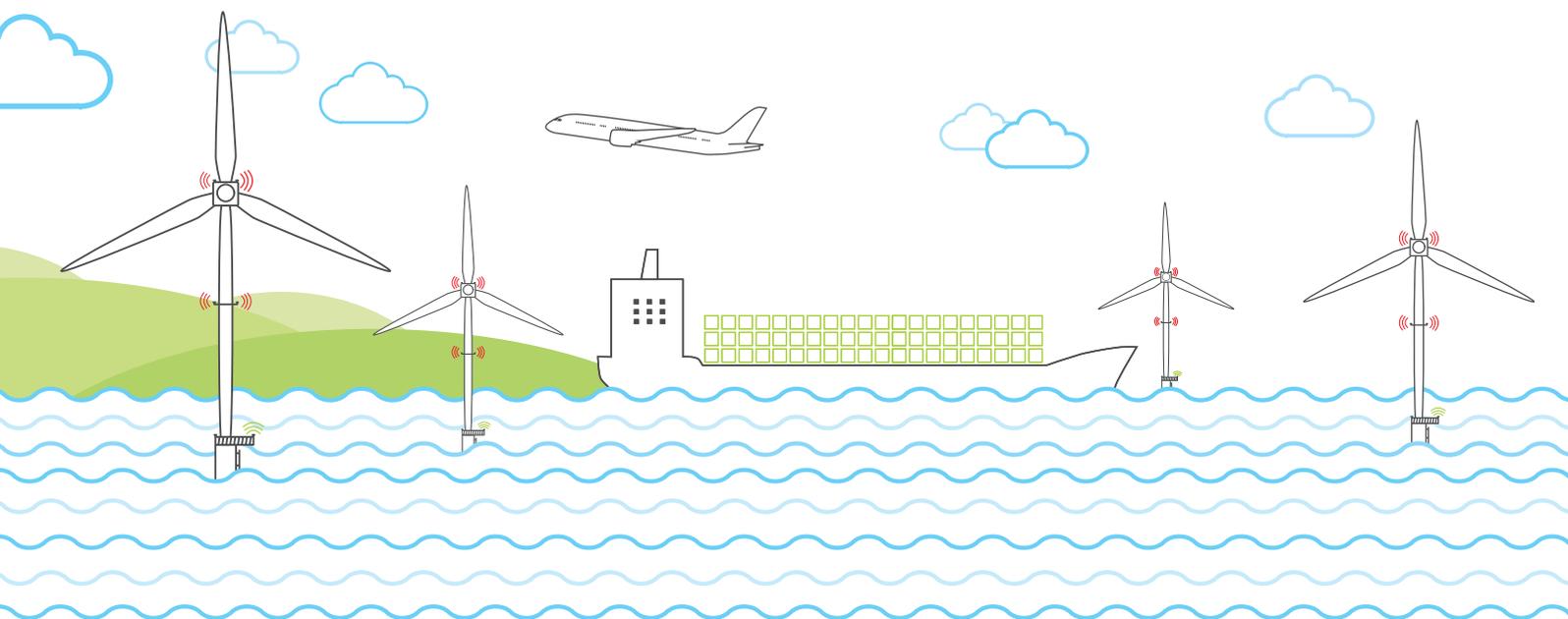## END-TO-END SYSTEMS INTEGRATION FOR NAVIGATION AID SYSTEMS

Wind turbine navigation aid systems play a major role in protecting vessels, aircraft and their passengers when sailing or flying near wind turbines. These systems are one of many sub-systems that are growing more complex, with ever-more interfaces. New regulations and dimming requirements are creating new demands. Understanding the new standards, regulations, and WTG technology can provide a competitive advantage and help avoid permitting issues.

Navigation aid systems must be flexible for future changes to the product and need to be designed for safe and easy installation as well as service. As an example existing wind farms require implementation of Aircraft Detection Lighting System (ADLS) due to new regulations.

ONE SUPPLIER TAKES RESPONSIBILITY

Since CREADIS Navigation Aid Solutions (NAS) cover so many functional areas, NAS can replace several sub-supplier systems. CREADIS then takes responsibility for total system functionality. This brings key benefits to wind turbine owners, operators and OEMs like:

- Reduced risk – one supplier and integrator in charge
- Lower cost – we remove redundant functions; we also source from most price-competitive and high-quality suppliers
- Timely delivery – dual sourcing on all components reduces supply chain delays for higher on-time delivery
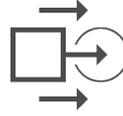
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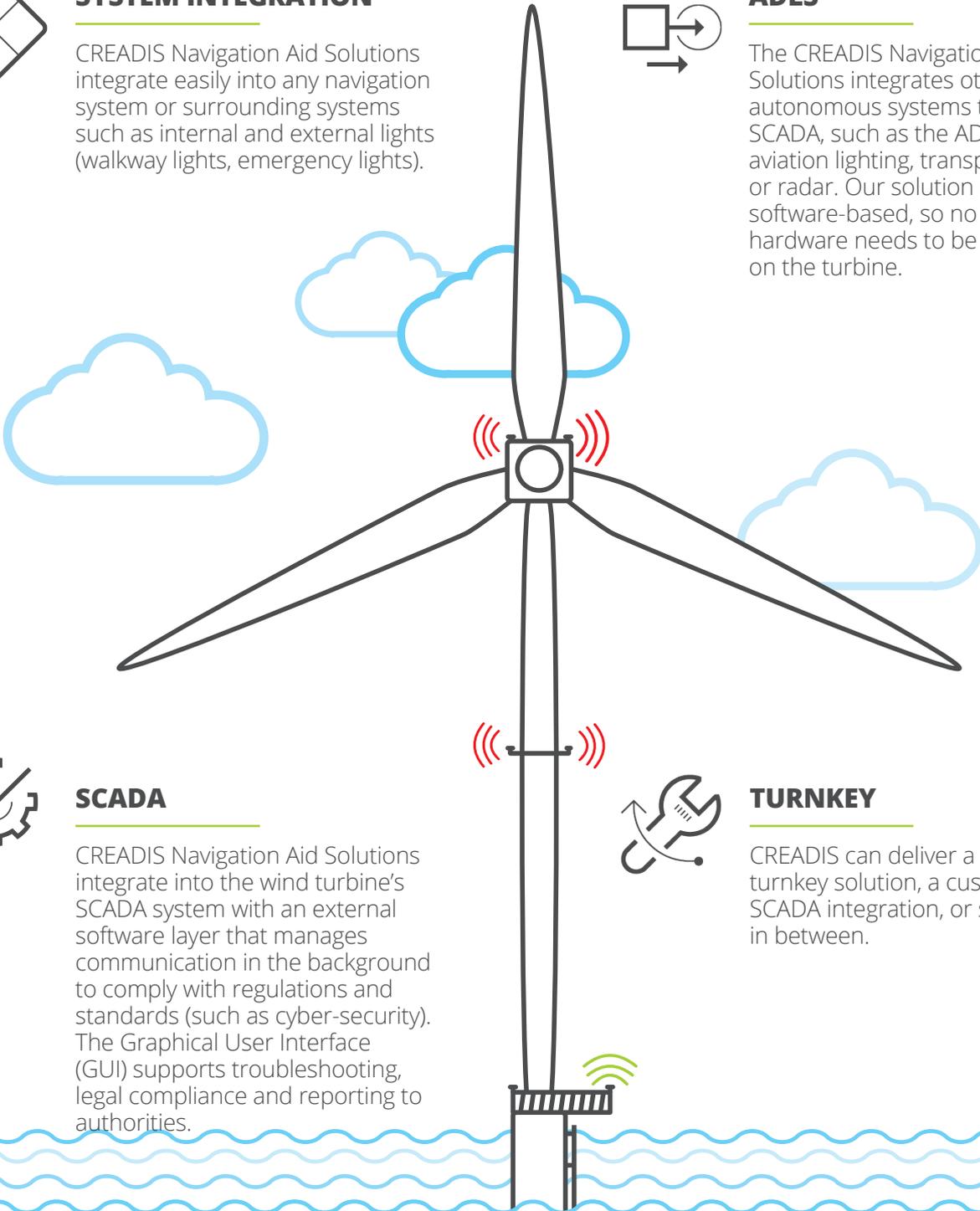
WE HELP YOU WITH:

SYSTEM INTEGRATION

CREADIS Navigation Aid Solutions integrate easily into any navigation system or surrounding systems such as internal and external lights (walkway lights, emergency lights).

ADLS

The CREADIS Navigation Aid Solutions integrates other autonomous systems through SCADA, such as the ADLS, aviation lighting, transponder or radar. Our solution is software-based, so no additional hardware needs to be mounted on the turbine.

SCADA

CREADIS Navigation Aid Solutions integrate into the wind turbine's SCADA system with an external software layer that manages communication in the background to comply with regulations and standards (such as cyber-security). The Graphical User Interface (GUI) supports troubleshooting, legal compliance and reporting to authorities.

TURNKEY

CREADIS can deliver a full turnkey solution, a customised SCADA integration, or something in between.

CREADIS

TECHNOLOGY IS PASSION – CULTURE IS KEY

www.CREADIS.com