

A scalable information enabled platform that saves you time and money.



Integrated Architecture offers a unique combination of enabling technologies.

The Logix control platform, for example, uses highly sophisticated control, networking, visualisation and information technologies. It is a multidisciplinary single-platform that is both scalable and flexible. So, as you adapt to today's changing industry dynamics and standards, you can integrate and rely on a range of control, safety and power solutions.

- Real-time information exchange improves responsiveness and increase your productivity
- Improved efficiencies through reduced engineering, implementation time and response times
- Truly scalable solution that provides maximum flexibility and economy while allowing for future growth
- Standards-based tools embedded in the system
- Expertise and experience of industry and application experts

For more information on Rockwell Automation wind industry solutions, please contact your local sales office. To find your local contact details, please visit www.rockwellautomation.com/locations

www.rockwellautomation.com

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Providing dynamic solutions to the wind industry comes naturally

Find us wherever the wind blows



LISTEN.
THINK.
SOLVE.

Allen-Bradley • Rockwell Software

Rockwell Automation

In a rapidly developing market, we'll help you keep pace.

The market for wind turbines is changing like the wind, and trying to keep up can create enormous strain on your resources.

However, as a global provider of control and information products and industrial components for the wind industry – everything from simple push buttons to complete wind farm management systems – Rockwell Automation® can help you to meet demand.

The scale of growth of the wind turbine industry is undoubtedly a positive, however, existing control systems – many developed by turbine manufacturers to meet their

own needs – are insufficiently scalable, adaptable, economical or reliable to satisfy growing global demand. At the same time, the growth in demand requires manufacturers to concentrate on building turbines rather than control systems.

Rockwell Automation's Logix suite of controllers provides a common off-the-shelf solution, suitable for a complete wind turbine portfolio, and scalable from control of a single turbine to an entire wind farm.

The Modular Programming concepts which underpin Rockwell Automation control products make it significantly quicker to design, develop and deliver the equipment required. Codes and engineering designs and practices can be reused to reduce development costs and the time taken to meet changing demands of customers or markets.

Our offshore remote maintenance capability together with our controller platform based on unmodified Ethernet and range of power control products can give your wind turbine a competitive advantage in today's fast changing environment.

Rockwell Automation has developed a Wind Park Management System which directly addresses grid compliance issues both now and



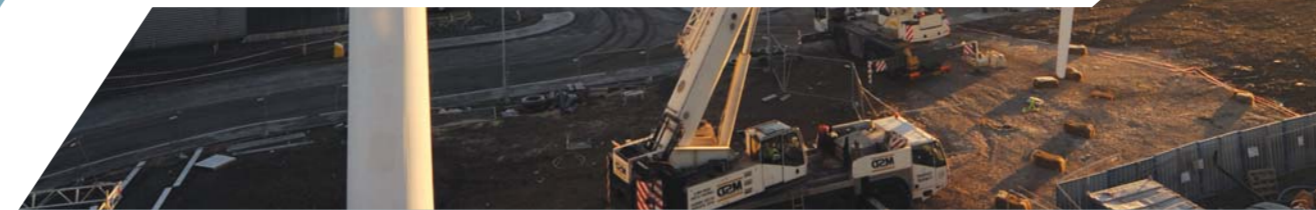
in the future enabling output in milliseconds.

Many of the world's largest wind turbine manufacturers already specify Allen-Bradley® controls from Rockwell Automation.

If you want to compete against your competitors contact us, and we will help you to stay one step ahead of them!

A global strategy requires a global force.

Rockwell Automation's global presence provides a powerful service capability, with access to one of the broadest ranges of industrial components available anywhere. Leveraged effectively, this can help to extend market access for wind turbine manufacturers.



Working with wind turbine manufacturers to deliver maximum results on time, on budget.

Working with Rockwell Automation maximises your results by multiplying the power of your own engineering resources, in the minimum time-frame.

Rockwell Automation working with Global Technical Consultants (GOTC) provide the additional expertise and experience you require, and act as a focal point for the flow of technical and project information, ensuring maximum efficiency and cost-efficiency, in the minimum time-frame.

From concept to commissioning.

Working GOTCs evaluate user requirements to enable an accurate concept definition. They are then available to advise and assist at every stage, from design of optimised architecture to turbine design, proof of concept, standardisation and commissioning, if required.

By integrating the GOTCs into their engineering teams, wind turbine manufacturers find it quicker and easier to adopt and implement Rockwell Automation technologies, and also achieve the maximum benefits of doing so more quickly.

The resulting equipment control solutions are more scalable, more reusable, and plug-and-play enabled, using off-the-shelf components. Easy to programme, reliable and proven, Rockwell Automation Programmable Logic Controllers are a highly viable, more flexible alternative to more traditional PC-based control. In future, if required, their function could be expanded even further, to integrate with other controllers of the process, such as pitch and yaw control.

This is the level of performance demanded by wind turbine manufacturers and customers around the world. So wherever the wind blows, you will find Rockwell Automation.

A globally recognised brand offering a global network of service support.

