

LISTEN.
THINK.
SOLVE.®



SOLUTIONS FOR THE WASTE MANAGEMENT INDUSTRY

FULLY INTEGRATED SOLUTIONS FROM ROCKWELL AUTOMATION

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DRIVING YOUR BUSINESS SUCCESS

PARTNERING FOR WASTE MANAGEMENT GROWTH

Maintaining a competitive edge in the Waste Management and Recycling Industry is no easy task. But Rockwell Automation can help, through unique and proven technology coupled with extensive experience and industry sector expertise.

Helping you meet legal and business objectives

Today, the waste management industry faces more pressing operational challenges than ever before. Whether you're an MRF, a machine builder or systems integrator, you need solutions to satisfy increasingly strict legislative requirements while meeting the demands of an ever-more dynamic and competitive business environment. It's not an easy equation to balance. But it can be achieved. Whether it be meeting the Waste Incineration Directive (WID) for continuous emissions monitoring of the stack or EN1501-1 for Rear End Loader vehicles, Rockwell Automation can play a key role in helping you meet your business and operational objectives,



Rockwell Automation.

Helping you achieve your goals.

■ EfW AND MRF OPERATORS

We can help you drive higher returns on assets while increasing plant performance, availability and reducing operational costs

■ MACHINE BUILDERS

We can assist you in delivering high performance at less cost, while helping to reduce time to market, meet delivery commitments and improve customer support.

■ SYSTEMS INTEGRATOR

Reduced engineering, software development and start-up time, in combination with easily-maintained, high-performance systems.



100 years of experience

With experience accumulated over more than a century, Rockwell Automation has unparalleled expertise in process industries. Committed to a customer-driven and results-based approach, we are ideally positioned to work with you to help meet your unique business objectives through our range of technology and added value services. Rockwell Automation's Integrated Architecture is the only control and information platform that extends performance gains across the entire enterprise so that all aspects of your system perform seamlessly.

When you work with Rockwell Automation, you're working with a team of professionals who have streamlined processes in a wide range of industries around the world, and who understand the imperatives of Cost of Ownership

The benefits of Integrated Architecture

Whatever your business, Rockwell Automation's Integrated Architecture delivers benefits for waste management solutions.



Biomass

Reduced development time, lower costs through energy saving solutions and faster customer response.



CHP

Integrate existing systems through third-party connectivity, interoperability and the use of open standards.



Energy from Waste

Efficient plant solutions with quality and compliance, production and asset management



Materials Recycling Facilities

Higher returns on assets; increased plant availability, plus monitoring and reporting of waste streams.



Compactors, Balers and Shredders

Higher performance at less cost, with reduced time to market through scaleable modular solutions.



Improve productivity with a single, seamless solution

Rockwell Automation's Integrated Architecture offers multi-disciplined, scalable and information-enabled solutions, tailored to the demands of the rapidly evolving waste management industry.

Many companies use different control and information systems for each type of production discipline. This approach not only means difficult and expensive system integration, but – even more importantly – it means that the accuracy and timeliness of decisions are often compromised by the limitations and boundaries of disparate systems. This is not the case with our Integrated Architecture.

A single, seamless infrastructure

Using sophisticated control, networking, visualisation and information technologies, Rockwell Automation's Integrated Architecture addresses the full range of control and information needs for discrete, process and batch control, and safety applications - all within a single, seamlessly integrated infrastructure. The result is improved productivity and lower total cost of ownership, through unparalleled functionality, flexibility and scalability.

Because Rockwell Automation's Integrated Architecture uses a single control infrastructure for the entire range of plant automation applications, it delivers many benefits. It allows you to reuse engineering designs and practices, for example, helping you to reduce development time and cost. It also helps you to respond more quickly to customer demand, reduce maintenance costs and downtime, and more easily access plant and production data for better management decision-making.

Our Integrated Architecture also addresses energy from waste performance needs, including quality and compliance, production and asset management. By emphasising third-party connectivity, interoperability and use of open standards, the Integrated Architecture provides seamless integration through the plant or enterprise.



■ FASTER TIME TO MARKET

through improved responsiveness and flexibility

■ BETTER ASSET OPTIMISATION

through collation and analysis of automation-related information

■ MORE INFORMED DECISIONS

to optimise asset performance, utilisation and energy management

■ BROADER RISK MANAGEMENT

through process variability analysis and systems which help to provide regulatory compliance and safety



Unlike conventional architectures Rockwell Automation's Integrated Architecture provides fully integrated, scalable solutions for the full range of control and information disciplines, delivering the insight and performance to help optimise production, respond more quickly to customer demands, and to reduce costs.

PERFORMANCE AND VISIBILITY

Rockwell Automation software solutions offer reporting and analysis tools for all your targeted waste streams and utilities. They provide role-based operator interfaces and dashboards, KPIs and situational displays at machine, line, plant and enterprise levels. Batch management and waste stream tracability can be managed and recorded across your plant to help you meet legislative compliance.

DATA MANAGEMENT

These tools allow integration and workflow across disparate systems, as well as storage of master data, event, process and waste stream information. This creates a foundation for contextual information by organising, synchronising, archiving and aggregating data collected by automation or manual systems.

ASSET MANAGEMENT

Rockwell Automation can help you improve overall security, intelligence, predictability and cost of ownership related to energy from waste incinerator plant resources. Monitoring and auditing equipment provides detail on network health, as well as resource availability, creating a foundation for optimising maintenance and plant operations.

COMBUSTION CONTROL

Whether you need burner management, combustion control, temperature or related power house control systems, our experienced professionals know the best way to apply technology to improve the safety and efficiency of your combustion process.

POWER AND ENERGY MANAGEMENT

Energy and demand costs have a great impact on your company's bottom line. Poor power quality reduces productivity and shortened equipment life – which, in turn, drives down company profits. Rockwell Automation's Power Energy Management System (PEMS) offers energy saving turnkey-engineered solutions configured to help improve efficiency and maximise profitability.

SERVICES AND SUPPORT

Rockwell Automation will work with you to define and implement a maintenance strategy with the right combination of predictive, preventive and reactive elements to optimise the performance of your operation.

