

A new world of possibilities is coming into focus

New realities in skills shortages, data demands, mass customization and sustainability practices have changed the industrial landscape.

This new state of the industry requires machine and equipment builders (OEMs) to bring forth solutions that boost productivity, enhance flexibility and support greener operations - all while enabling their customers to maximize the value of their production data.

To meet these emerging challenges, a wave of disruptive machines are being developed. But the transformation isn't just about delivering equipment to customers - it's also happening from within. Smart machine technologies are enabling OEMs to rethink their design processes, accelerate time to market and drive end-to-end innovation. With these new technologies as a foundation, OEMs have the opportunity to align with their customer's future needs, differentiate themselves in the market and open the door to new revenue streams.

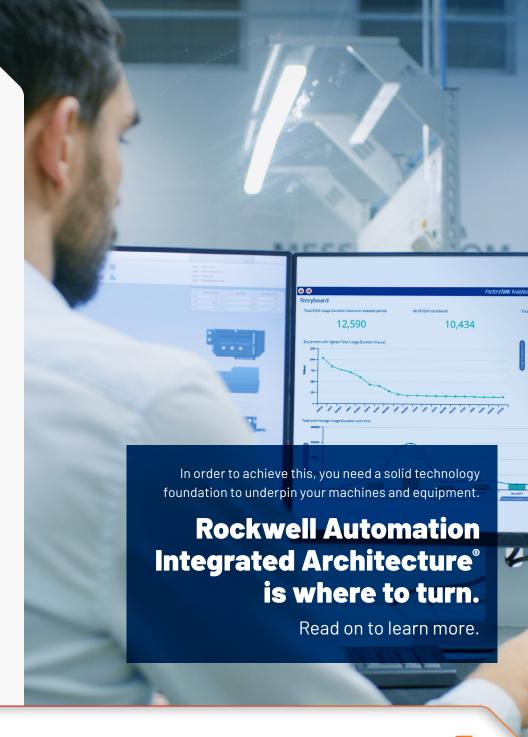


How does smart machine technology enable OEMs to gain a competitive edge?

Meeting today's dynamic demands are giving rise to a new generation of machines - ones that are more efficient, easier to operate, and data-enabled by design. OEMs that embrace smart machine technologies are not only standing out in the market but also delivering greater value to their customers.

While the starting point depends on your unique goals and challenges, we've identified four key areas where our smart machine solutions can help you unlock new possibilities and accelerate business growth:

- Speed up design cycles and virtually commission systems with digital design software
- Extend intelligence across your electrical panels to enable faster builds and smarter operation
- Drive down machine cost, enable flexibility and speed installation and start up using decentralized design
- Put flexible data management at the core of your designs to unlock the full potential of data and build future-ready machines and equipment





Integrated Architecture

The technology foundation for harnessing the data your customers need.

Your customers are looking for machines that provide next-level performance and deliver more value through seamless integration into their plant operations. By using our Integrated Architecture approach, you can simplify your path to smarter, better-connected machines and equipment using a unified control and information system that serves as a central control platform, a standard design framework and an environment that brings together smart devices, intelligent communications, visualization tools and cybersecurity.

No matter the type of machine or piece of equipment you design, you can use a centralized, multi-disciplinary control solution that simplifies your designs and delivers data that enables advanced analytics, Al features and more.



Deliver smarter equipment with a data foundation that adapts to what's next

There is a vast amount of data available in the machines and equipment that you supply. But, the vast volume of unstructured data can make extracting actionable insights prohibitively difficult and time-consuming. What if there was a way to cut through the noise and access the untapped potential in this information? With our DataReady™ solutions you can overcome this challenge by organizing data into predefined or custom information models. This empowers users with the data insights they need today, while structuring it so that it is flexible to changing requirements.

How can you achieve more using DataReady solutions?



Unlock the value of data trapped in machines and equipment

- Deliver organized and contextualized equipment data even when requirements change using pre-defined or custom information models
- Enable productivity gains using information from the control level that is organized, contextualized and ready to deliver value
- Expand your solution value by seamlessly sharing data with nearly any external application



Deliver new data insights with existing engineering expertise

- Design equipment with data at the center without the need for specialized data scientist skills, thanks to Smart Objects data contextualization
- Accelerate time to market using lifecyclemanaged content libraries that enable data insights without the need for custom coding
- Better visualize data using FactoryTalk® Optix™
 to help boost quality and improve
 productivity with an intuitive display of
 actionable information



Differentiate your offering with more data-driven, intuitive equipment

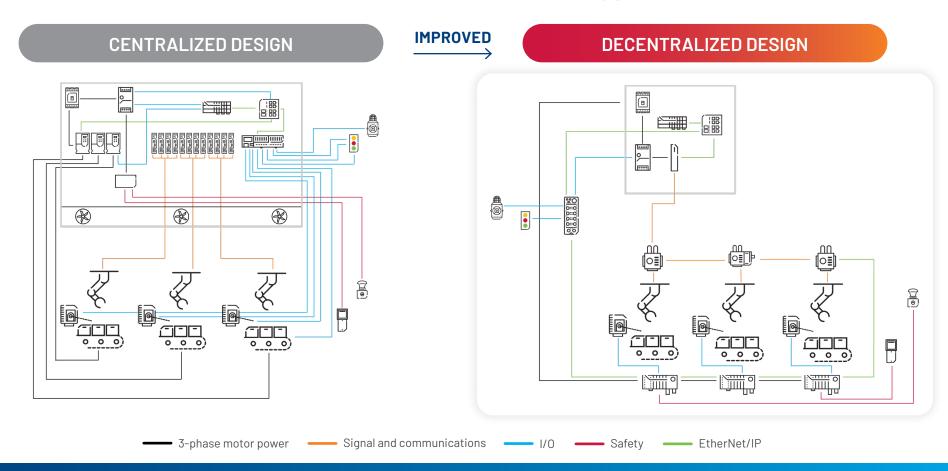
- Support more efficient operations with insights into key machine events, such as prioritized maintenance alerts, OEE values and WAGES utility measurements
- Enable operators to manage sophisticated equipment without extensive training
- **Optimize equipment remotely** for faster, more flexible troubleshooting







Revolutionize your machines using On-Machine technology



ON-MACHINE PORTFOLIO INCLUDES:

Motor control | Motion control | 10 | Power supplies | Safety | Sensing and signaling



Unlock value through modern panel desgin

An optimized control panel is an important part of helping your customers achieve compliance, remove barriers to productivity and improve overall equipment effectiveness (OEE). It is also critical for delivering reliable machines that best make use of valuable floor space.

Using our panel optimization solutions, you can bring new levels of intelligence and innovation into your designs. With compact profiles, more reliable connections and seamless access to real-time data, these technologies can help you accelerate time to market, reduce risk and increase the profitability of your offering.

TECHNOLOGY SPOTLIGHT



EtherNet/IP
In-Cabinet Solution



M100 Electronic
Motor Starter



- Up to an 80% reduction in wiring time
- Up to a 50% reduction in testing time
- Up to a 30% reduction in project engineering time



Bring ideas to reality in a low-risk digital environment

Are you ready to supercharge your design process? With our Emulate3D® digital twin software, you can work faster and smarter in a digital environment and then carry that efficiency through your product lifecycle to add more value every step of the way. This digital platform empowers you to design, test and refine in a consequence-free environment and optimize your solutions before committing to a final design.



Using our Emulate3D digital twin software you can:

- **Provide deeper, more compelling insights** into proposed solutions in the pre-sales/pre-project phase.
- **Establish stakeholder confidence** and maintain it throughout the project using an accurate digital representation of your solution.
 - **Speed design cycles** by using virtual commissioning to identify and remedy potential issues earlier.
 - **Lower risk** by verifying performance and throughput in a virtual environment before committing to a physical build.
 - **Reduce design time and costs** by shifting important controls programming tasks earlier in the project.
 - Maximize efficiency using functional digital models to identify and solve issues once, and then save the fixes so they are automatically incorporated into your future designs.
- **Provide expert support** remotely in real-time and reduce delays, on-site visits and travel expenses.

Expanding your reach

Meet growing customer needs with additional services

End users are increasingly looking to OEMs like you to help them get more from their operations. This transformation is leading towards fewer interactions that are purely transactional and replacing them with a collaborative approach focused on continuous improvement and shared technological advancements. They are looking for trusted partners to ensure the success of their operations throughout the equipment lifecycle. Now that you've built a foundation using smart machine technology, you're positioned to meet this need and expand your business through additional services.

With smart machine technology at the core of your offerings, you can provide more value to your customers, unlock new service revenue streams and create a competitive edge that differentiates your business in the market.





Connect with us. 6 in X







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