

DIGITAL ENGINEERING

Reimagine how you design, operate, and maintain machines

FIND YOUR DIGITAL SWEET SPOT

Digital engineering isn't an all-or-nothing strategy. You don't need to replace the tools that your workers know and like today. Instead, you can extend those tools digitally to improve how designers, production managers, technicians, and others work.

SMC can help your organization determine where you can do things smarter, faster, or better using a digital approach.

Here are the five key areas where digital engineering can improve your business:

- Design and Prototyping
- Commissioning
- Operator Training
- Production
- Maintenance

AUTOMATION



IMPROVE YOUR PRODUCTS AND PROCESSES IN A DIGITAL ENVIRONMENT

Recreating products and processes in the digital world can unleash new insights and efficiencies in your physical operations. Whether you're designing and commissioning machines, or managing production in a plant, digital engineering can help you get to market at record speeds, reducing your risk and redefining productivity.



KEY BENEFITS

- **Discover a Better Way to Design**
 - How you design machines isn't overhauled with digital engineering - it's elevated. Your processes and tools can stay the same. But before you build a design in the physical world, you can test it in a virtual one.
- **Avoid Surprises in Commissioning**
 - Save time and reduce risk with virtual commissioning
- **Unlock New Levels of Productivity**
 - Take productivity to new levels when you use digital simulations and data-based insights to improve training and production decisions
 - Compare what's happening in your physical operations to what's possible based on a digital model. Virtually test changes like new product runs. This can help you identify issues before they happen in your real process.



DIGITAL ENGINEERING SOLUTIONS

- Emulate 3D Software - Digital Twin Software
- FactoryTalk Logix Echo - Controller Emulation Software
- Vuforia Chalk - Augmented Reality
- Fiix CMMS - Maintenance Management



For more information, please visit
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