



Motor Management Solutions for your industrial machines

Discover how we can improve your business's efficiency and sustainability today

se.com/motormanagement

Life Is On

Schneider
Electric

Modern challenges for OEMs uncover opportunities to grow

Digitization and energy efficiency is a key success factor for Industrial businesses, with OEMs facing more challenges, including:

- Optimization of machine costs, footprint and faster time to market
- A more mobile workforce who has time less to be trained
- The requirement to move to a more proactive model where machines will alert in case of issue, provide data for preventative maintenance and energy efficiency, while the machine lifecycle is expected to be user friendly and intuitive

Industrial businesses are looking for efficiency gains across their operations, like those found with an advanced Motor Management solution. OEMs have the opportunity, with the right technology partner, to build machine's which:

- Are faster and easier to design and build with lower solution costs
- Have a smaller footprint, built from smaller machine components
- Have a faster production time
- Simplify machine installation
- Utilize latest technologies to differentiate machine design
- Integrates machine functions easier and more efficiently
- Use engineering resources more efficiently



Schneider Electric™

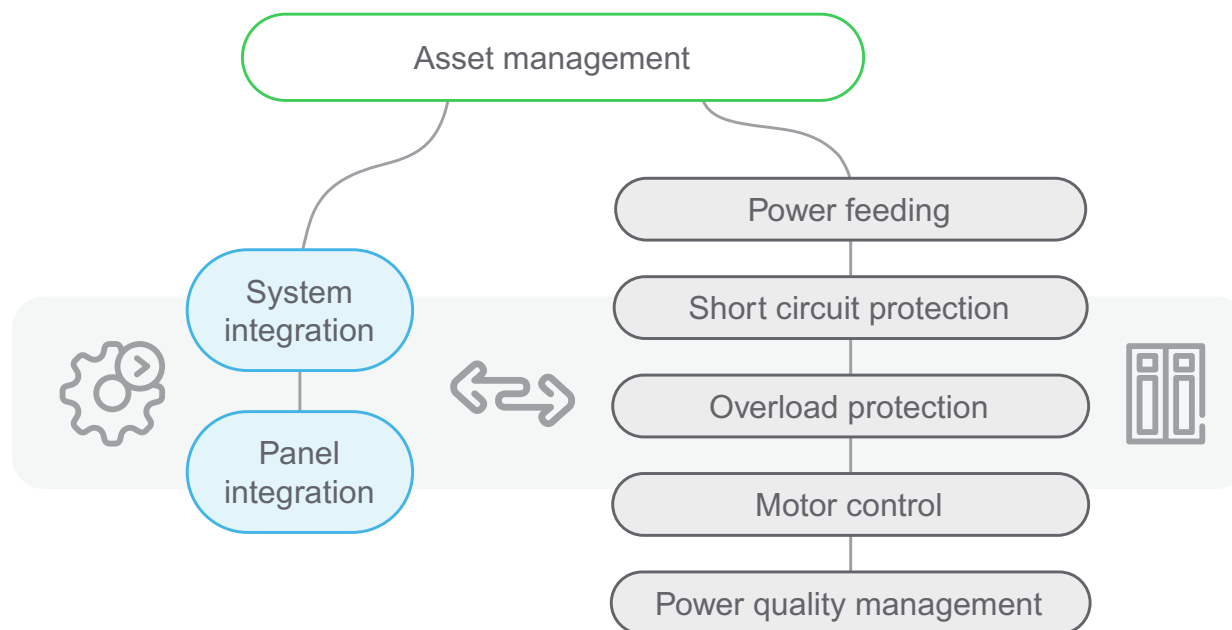
Motor Management Solution to:

Bridge Automation and Power architectures for increased efficiency of motors.

Simplify the machine design.

Asset performance management for improved asset reliability, maintenance and optimization.

Motor management framework



Three types of architecture depending on your business needs

Complex or special installations focusing on connectivity and efficiency

- Performance driven
- Fully connected with transparent data reporting
- Asset fully under management
- Energy Management & Power Quality Management

Critical | Performance

Simple or complex installations focusing on productivity and modularity

- Performance/cost balance
- Architecture optimized
- Device connected with upgrading flexibility

Reliable | Efficient

Simple installations focusing on cost and performance optimization

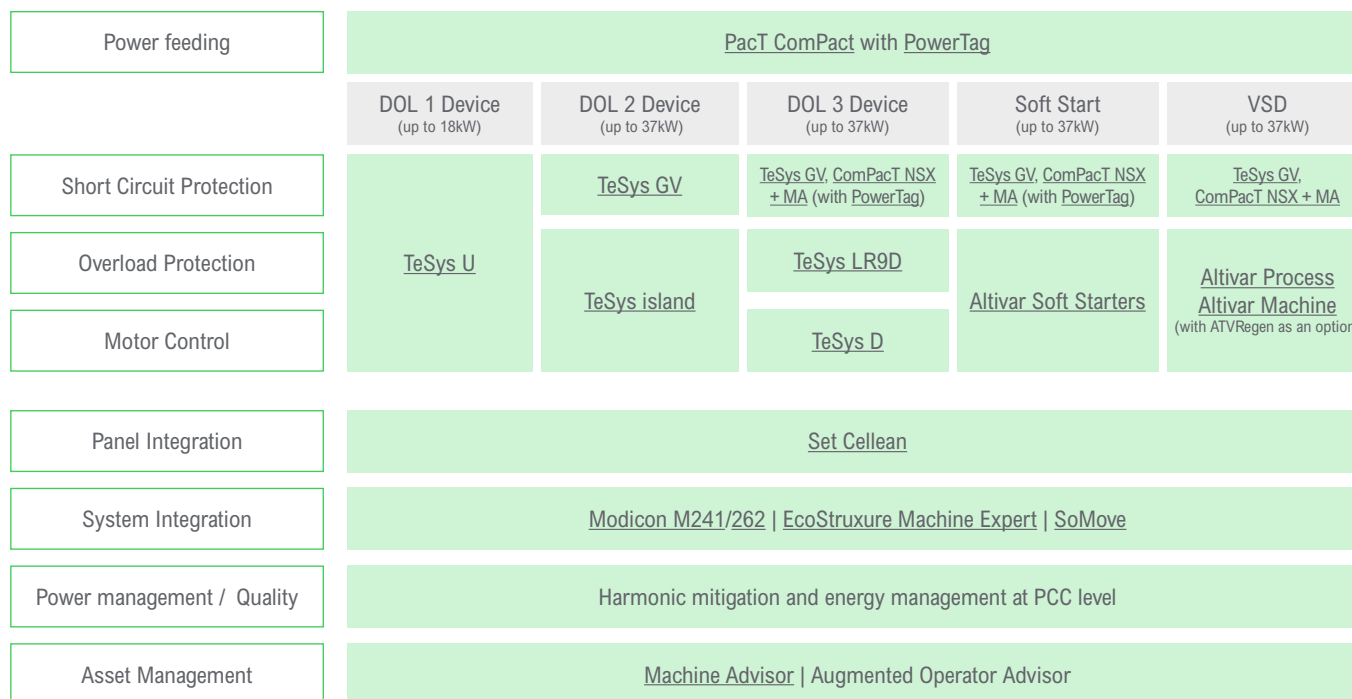
- Optimized price point
- Easy to design, install and operate

Validated | Economic

Digitized architecture for machine (priority scope up to 37kW)

For complex or special machine focusing on connectivity and machine efficiency

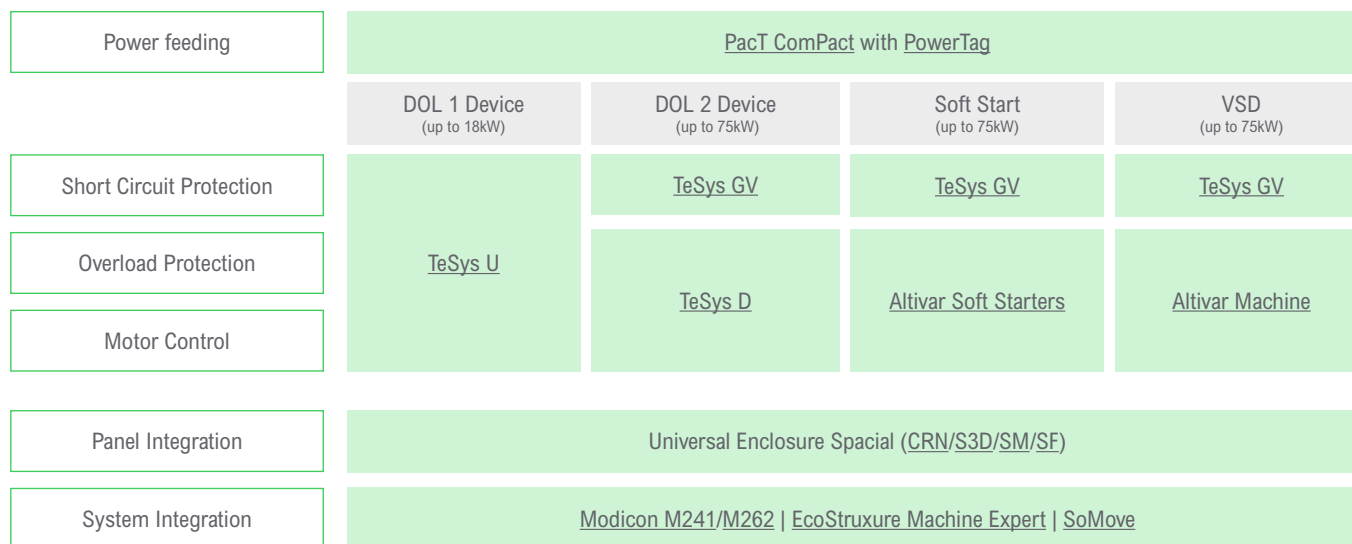
- Up to 40% time saving in offer selection
- Up to 30% performance up of the machine
- Machine design differentiation through modular software approach (EcoStruxure Machine Expert)
- 2x faster for new machine to market time
- Seamless integration in EcoStruxure Machine
- Open to 3rd party automation platform
- Full data transparency for asset management and maintenance



Core architecture for machine (priority scope up to 75kW)

For simple or complex machine focusing on productivity and modularity

- up to 40% time saving in offer selection
- up to 30% performance up of the machine
- machine design differentiation through modular software approach (EcoStruxure Machine Expert)
- 2x faster for new machine to market
- Worldwide availability and usage. Compliant with all international standards



Optimized architecture for machine

For simple machine focusing on cost and performance optimization

Power feeding	PacT ComPact / InterPact			
	DOL 1 (up to 75kW)	DOL 3 Device (up to 15kW)	Soft Start (up to 15kW)	VSD (up to 15kW)
Short Circuit Protection	<u>TeSys GV</u>	<u>TeSys GV</u>	<u>TeSys GV</u>	<u>TeSys GV</u>
Overload Protection		<u>TeSys LR.K / LR.D</u>	<u>Altivar Soft Starters</u>	<u>Altivar Machine</u>
Motor Control	<u>TeSys K TeSysD</u>	<u>TeSys K TeSysD</u>		
Panel Integration	Universal Enclosure Spacial (CRN/S3D/SM/SF)			

*Contact your local Schneider Electric office for most optimized solution in your region

ABUS Crane Systems

Intelligent solution for modular, standard cranes

Customer Challenges:

- Numerous requirements for highly complex and customized crane systems
- Need to standardize modules to achieve shortest production time possible
- Ability to operate quickly and independent of time zones and location by leveraging advancements like digital data processing for preventive maintenance and repair

The Solution:

- Schneider Electric's hoisting expertise
- EcoStruxure™ Machine, which has the breadth of portfolio to address all their customers' needs
- Collaboration at all stages: drafting requirements, concept development, proposing innovative solutions with new functionalities and features, programming, testing, validation
- The result is ABUControl, an intelligent modular crane control system based on EcoStruxure™ Machine. All required crane functions can be implemented with just two standard modules - from simple to complex crane architectures, with several cranes and hoists

Customer Benefits :

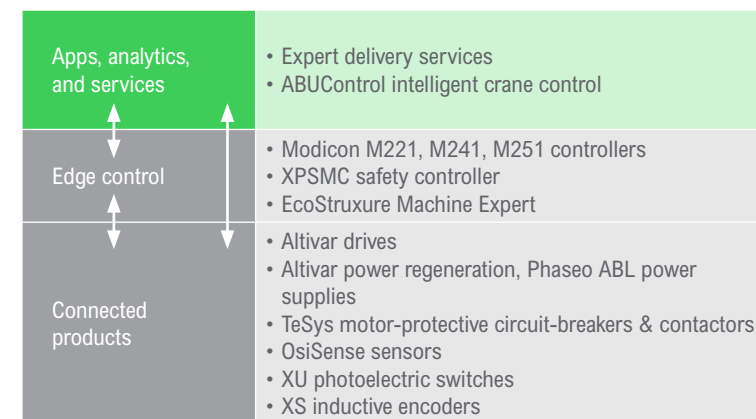
- Faster crane production by implementing all required crane functions using only two standard modules
- Faster response to customer needs through faster and more flexible new development
- Ease of use and safety
- Higher crane availability - reduced downtime
- Energy savings of up to 40%

[Video link](#) / [HTML link](#)

One of the leading manufacturers of crane systems in Europe, ABUS builds more than 5,000 cranes a year, supplies more than 35,000 customers in Germany, and exports to 55 countries around the world.

EcoStruxure™ Machine

Innovation At Every Level





How to quickly make a selection for your machine?

EcoStruxure™ Motor Control Configurator


Start your configuration

Variable Speed Drive  0,18-315 kW 

Drive provides you with a flexible motor control and have a wide range of possibilities

Soft Starter  0,37-500 kW 

Soft starter lets you to start smoothly and increase the speed of the engine

Direct Starter  0,06-355 kW 

Simplest way to start your motor with no speed or frequency control

TeSys island  0,06-37 kW 

Create a connected group of Direct Online Starters (DOL) or import existing configuration

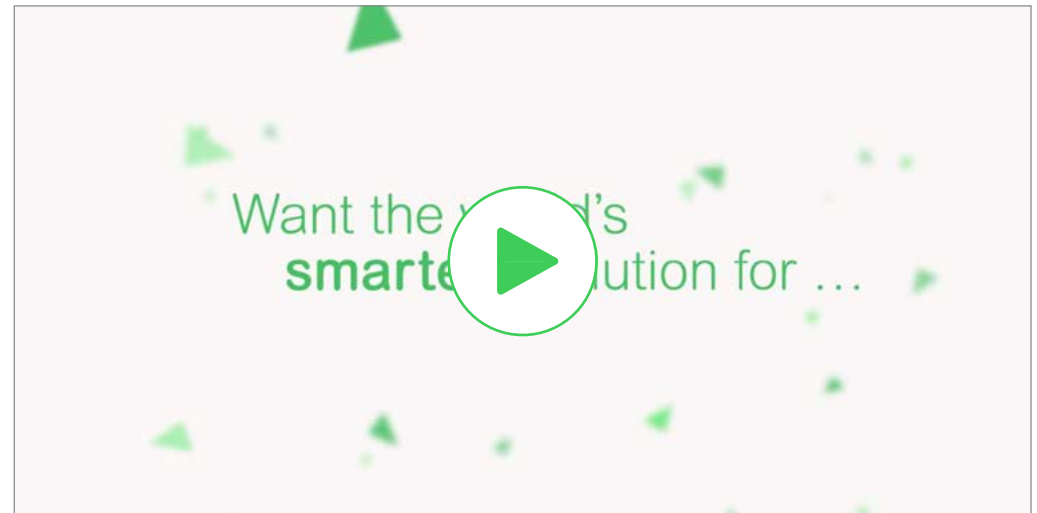
Use existing one

Enter your configuration ID

No saved configurations found

Saved TeSys island configurations (0)

No saved configurations



Want to learn more about motor management and our selected offers?
Follow the links below:

- [EcoStruxure Motor Control Configurator](#)
- [Link to EcoStruxure Machine landing page/smart machinery](#)
- [TeSys 2019 catalogue](#)
- [TeSys catalogue - 2019 - 2020 - chapter A6 - Circuit breaker + contactor coordination tables and design guidelines](#)
- [Start Smart, Run Smart with TeSys motor controls brochure](#)
- [Motor control Brochure](#)
- [Automation control](#)
- [ATV320 catalogue](#)
- [ATV340 catalogue](#)
- [ATV320 Brochure](#)
- [ATV340 Brochure](#)

Learn more about Schneider Electric
visit www.se.com/motormanagement

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