



Motion beyond expectations

Drives move the industries. But how can they make them more efficient, more reliable and more sustainable – and exceed all expectations while they are doing it? Our answer: Siemens Xcelerator for Digital Drivetrain.

Digital solutions for Drivetrain Design and Drivetrain Health

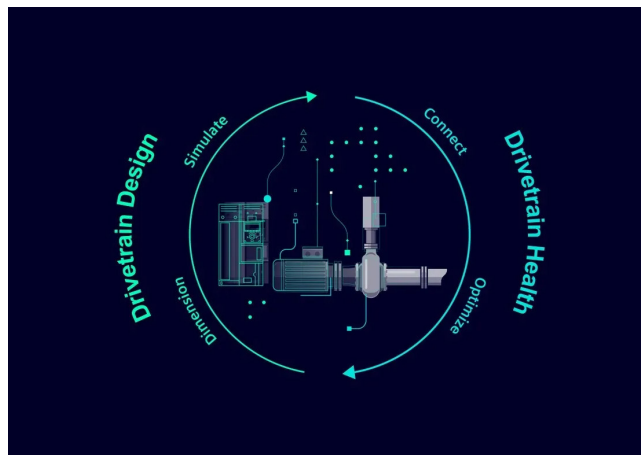
Combine the real and the digital world to reach the next level of efficiency and sustainability in your drivetrain value chain: with suitable digital solutions for drivetrain design and drivetrain health.

Drivetrain Design:

Simplify and shorten the engineering steps to get faster and more efficiently from concept to the commissioned drivetrain.

Drivetrain Health:

Reduce total cost of ownership for your equipment and machine park – energy, maintenance, downtime.



[siemens.com/digital-drivetrain](https://www.siemens.com/digital-drivetrain)

Digitalization along the drivetrain value chain



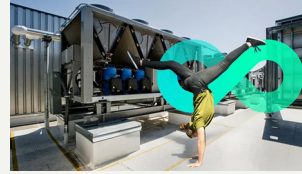
Dimension

Accurate in motion: Dimension your motors, gearboxes, and complete drivetrains digitally with greater precision – for greater reliability and energy efficiency.



Simulate

Faster in motion: Add the digital twin of the drivetrain to your machine simulation to speed up your design and engineering phases and to accelerate your time-to-market!



Connect

Data in motion: Acquire high-quality raw data and connect your entire drivetrains or machines to cloud or on-premise platforms – for a consistent and secure data flow.



Optimize

Better in motion: Analyze and visualize drivetrain and machine data in digital solutions and apps to identify optimization potentials and concrete actionable measures how to tap it.

Use cases for digital drivetrain technology



Condition monitoring for drivetrains

Healthy in motion: Gain valuable insights into your drivetrain to optimize maintenance, system availability, cost efficiency, and sustainability: Discover intelligent digital condition monitoring for your drivetrains!

Are your drivetrains fit enough for tough times?

The industries are expected to produce ever more efficiently, ever more sustainably and ever more cost-effectively. And if you can't do that, it's easier to be left behind by the competition. Use digitalization and the data from your motors and converters to optimize your competitiveness – and to keep your production in motion.



What if you consume too much electricity?

With digital solutions and digital drive technology, you can significantly reduce your share of this!



What if you waste too much energy?

Digitalization enables you to detect energy waste and impending system downtimes at an early stage so that you can take counter-measures in due time!



What if your motors are incorrectly designed?

Digital tools make it quicker and easier to correctly design your drive components!



What if your drives fail unexpectedly?

With digital solutions, you can identify risks in your drivetrain at an early stage and react before a failure occurs.

"Our digital solutions transform your drivetrain value chain to the next level of efficiency and sustainability."