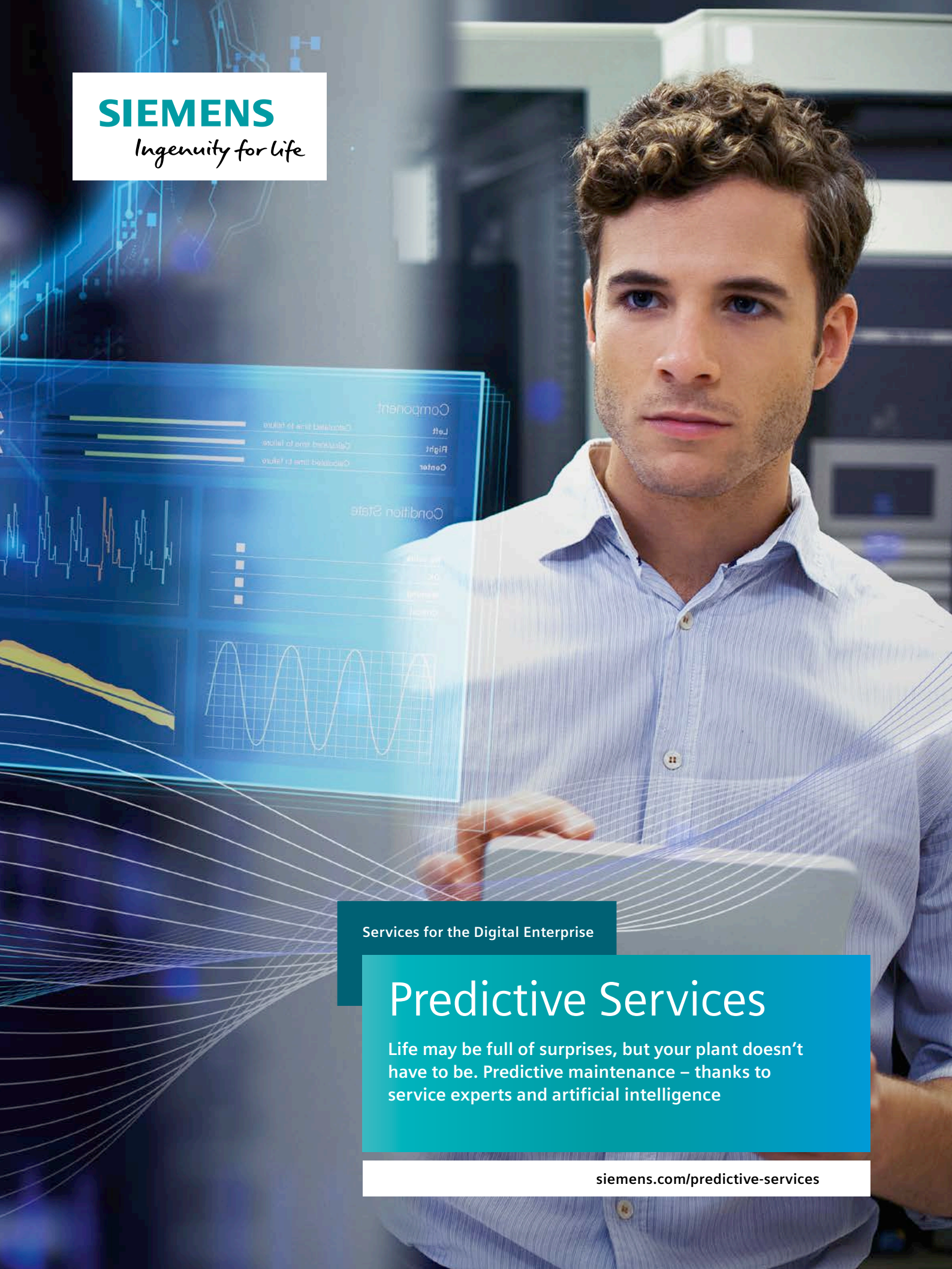


Services for the Digital Enterprise

Predictive Services

Life may be full of surprises, but your plant doesn't have to be. Predictive maintenance – thanks to service experts and artificial intelligence

siemens.com/predictive-services

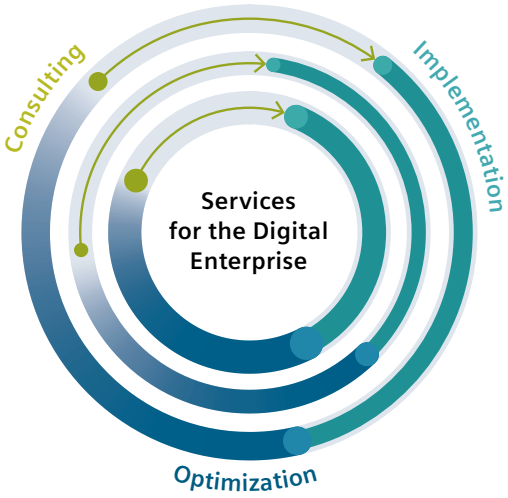
Predictive maintenance for maximum plant availability

Industrial companies are taking advantage of advances in digitalization to ideally respond to the specific requirements of their customers. They boost their competitiveness with flexible production concepts and increased productivity. That's why plant downtimes have to be reduced or avoided as much as possible.

Innovative Predictive Services from Siemens make it possible to detect imminent failures early enough to prevent them, thanks to a combination of expert know-how and future technologies like artificial intelligence.

Our offering for your future

With Predictive Services, you can see into the future and avoid unpleasant surprises through optimized maintenance planning. Because every machine, line, and plant has its own requirements and special characteristics, Predictive Services are specifically tailored to the requirements of different industries and applications. They're part of our services for the Digital Enterprise, in which our digitalization experts assist you with the digital transformation of your company. We work with you to develop an individual digitalization strategy specially tailored to your level of digitalization.



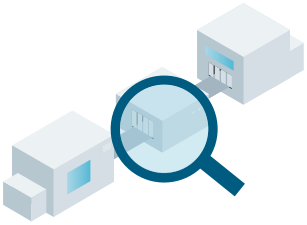
The three stages of consulting, implementation, and optimization are elements of our end-to-end approach, in which we supervise your digitalization project, coordinate solutions to match your company's specific needs, and help you to constantly improve your KPIs. Predictive Services follow this approach with the three modules of Assessment, Connectivity, and Analytics.

"Artificial intelligence enables us to quickly analyze large quantities of data and identify optimization potential."

Patrick Volkmann,
Siemens AG

Customized Predictive Services for different industries

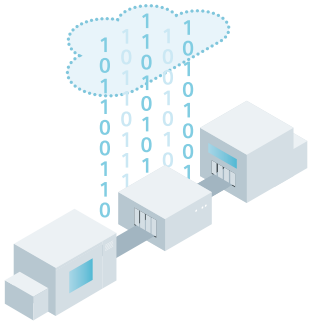
Each industry needs specific Predictive Services, which we develop based on our comprehensive industry expertise. The modular services for acquiring, analyzing, and evaluating machine data are specifically adapted to the requirements of the different industries. To detect potential failures early on, our independently structured modules connect your plant and applications to Edge or cloud applications in accordance with your needs and requirements. You obtain well-grounded analyses of status data and sources of error, as well as specific recommendations from our experts, who evaluate and analyze the existing data with the aid of artificial intelligence.



Module 1

Assessment

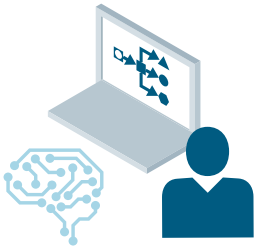
We work with you on site to assess the current situation based on machine data, automation hardware, network situation, and similar factors. We then generate a detailed connectivity concept on the basis of this assessment.



Module 2

Connectivity

The connectivity concept that was generated in the Assessment module serves as the framework for installing various components in order to acquire the necessary operational data. To ensure that this analysis can be correctly communicated, we set up a tailored Edge or cloud solution, depending on which version you need or prefer in your company.



Module 3

Analytics

Our experts evaluate the data collected and provide you with informative reports on the status of your plant and potential causes of error. Using artificial intelligence, we're able to evaluate the steadily growing volume of data faster and more reliably. Our experts optimize adaptive algorithms in order to reliably detect anomalies that indicate potential errors. This can also be performed across locations and makes it possible to monitor the availability of different production lines.

Your benefits

Increased plant availability

Improved product quality

Easier maintenance planning

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