

PREDICTIVE SERVICES

# Predictive Services for Spare Parts

Life may be full of surprises – but your spare parts stock doesn't have to be.

**Predictive Services for Spare Parts let you see into the future**

To ensure maximum productivity, high machine and plant availability is essential. Fast repairs and maintenance work with no unnecessary downtimes are possible only if you have the necessary spare parts on hand. Often, optimizing your spare parts stock is a major challenge: Too many spare parts impose a cost in terms of space and money, while too few increase the risk of downtimes. For the most part, available data comes from a range of data sources and must be combined manually, and that can result in a greater likelihood of errors.

With Predictive Services for Spare Parts you get a digitalized solution to help you manage your spare parts inventory efficiently. The productivity of your machines and plants can be improved through a comprehensive analysis of historic spare part supply data, comparison of the available spare parts inventory against the installed base, and obsolescence management for automation equipment. That can be achieved for both Siemens and third-party products, and is not limited to individual product groups. Our full service solution comprises the three modules of Assessment, Connectivity, and Analytics, and can be used in both discrete manufacturing and the process industry.

Predictive Services for Spare Parts is our offering for optimized spare parts management in all sectors. They're part of our Digital Enterprise Services, in which our digitalization experts assist you with the digital transformation of your company.

[siemens.com/predictive-services](https://www.siemens.com/predictive-services)

## Your benefits



**Availability**

Improved plant availability thanks to an assured supply of spare parts



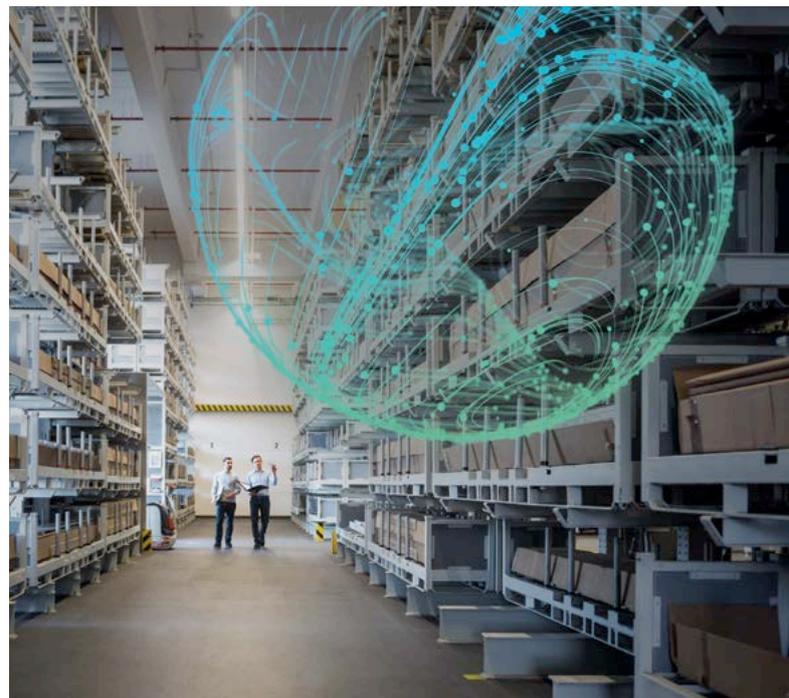
**Cost-efficiency**

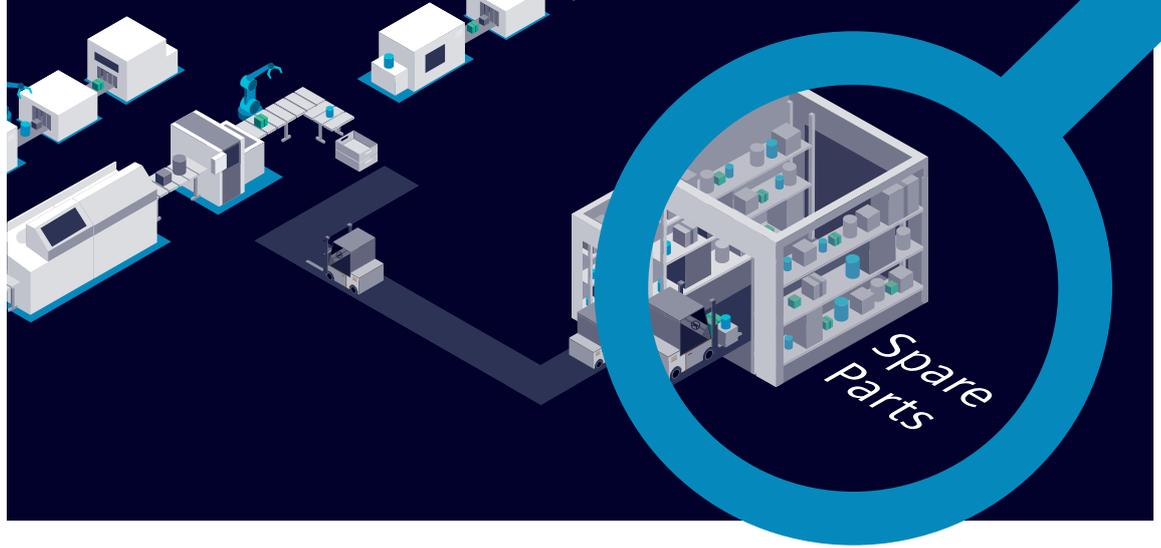
Reduced stock costs thanks to optimization of the spare parts inventory



**Staying up to date**

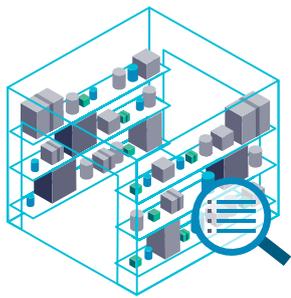
Your spare parts inventory remains up-to-date thanks to continuous obsolescence management





## Our offering for your future – modular solutions for predictive services in all sectors

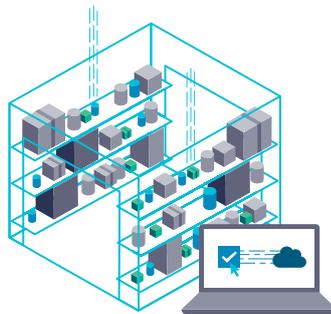
The modular services for acquiring, analyzing, and evaluating spare parts inventories connect your spare parts stock to a cloud or on-premise solution. You obtain well-grounded analyses of your spare parts inventories, as well as specific recommendations for improvements in digitalized form.



### Module 1

## Assessment

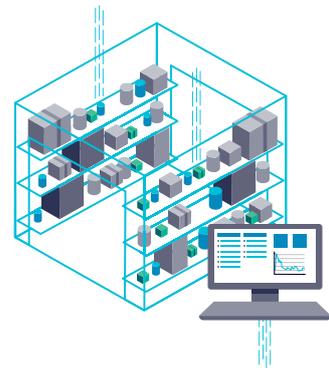
We work with you on-site to assess the current situation. The focus is on the historic data for your spare parts and recording the components installed in your machines and plants – regardless of whether these are Siemens or third-party products. We work with you to clarify whether all the necessary data is available, which data sources are being used, and if a cloud or on-premise solution is desired. The results of the Assessment are used to generate a detailed connectivity concept.



### Module 2

## Connectivity

The connectivity concept that was generated in the Assessment module serves as the framework for linking the data sources to the application and making services available. The required data may include spare parts consumption, delivery times, places of application, turnover frequency, and much more. This data is linked to the service, and the information about the installed base of your machines is loaded into the application. We then set up your access to this application and send you the access details and a record of acceptance.



### Module 3

## Analytics

Our system evaluates the data collected and provides you with informative reports on the status of your spare parts stock, ranges, inventory supply limits, actual and recommended minimum unit quantities, and single or multiple use parts. Using intelligent algorithms, your data is analyzed to establish transparency. In addition to detailed information about your spare parts inventory and the connection with your machinery, the obsolescence dashboard displays the lifecycle of the machine equipment being used. This can also be performed across sites and makes it possible to monitor the spare parts situation for different production lines.