

A white hard hat with the Siemens logo in blue and a pair of blue and grey work gloves are shown in the background of the top left section.

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Ingenuity for life

Strategic Spare Parts Solution

 **Switchgear Services**

Introduction

Siemens as an OEM for low, medium and high voltage switchgear has been supplying the global market over decades. Thousands of assets from all generations are in operation. Operational availability is a key element for the effective application of switchgear. In case a failure occurs, there is an urgent need for the proper spare part. But availability of spare parts is limited depending on the age of the assets. Sometimes long lead times need to be considered. Especially for strategic assets this is unacceptable.

Features

Experienced Siemens experts give recommendations based on detailed assessments and analysis via standardized audits. The different modules build up one on another. Nevertheless - according to individual requirements - the customer can choose any combination or a single module. To get the most benefit out of module five, it is recommended to pass through all modules from one to four.

The five modules are:

- Module 1: Installed Base Alignment
- Module 2: Inspection of customer spare parts storage
- Module 3: Spare parts recommendation

- Module 4: Condition assessment of equipment
- Module 5: Strategic spares solution

Benefits

Siemens SSPS provide the basis for a targeted spare part strategy of critical substation assets

- Transparency regarding the current and future spare part situation
- Avoidance of long lead times
- Security regarding the operation of the network
- Early information regarding obsolescence

Scope of Work / Deliverable

The results of our program are properly documented in reports.

- Detailed documentation of installed base
- Condition assessment of current spare parts
- Recommendation of required spare parts
- Condition assessment of installed base
- Strategic Spares offering, ready to be purchased

Technical Details

Module 1: Installed base alignment

Module 1 provides basic but essential knowledge about the installed base. The enhanced information enables customers to take reliable decisions about substations considered in scope of SSPS. Siemens provides a matrix overview of the installed base as documented in Siemens delivery lists. The information about installed equipment contained therein is then aligned with the current service status.



Deliverable

- Updated asset overview
- Knowledge about OEM rating of maintenance status and strategy
- Knowledge about the current spare parts situation at the OEM
- Important input for an asset management strategy

Module 2: Inspection of customer spare parts storage

Module 2 offers detailed knowledge based on inspection. Siemens experts on-site carry out condition assessments for spare parts via standardized audits. The resulting report contains the analyzed collected data and recommendations for storage quality, strategy and further spare parts use.

Deliverable

- Updated spare parts overview
- Knowledge about the storage quality
- Knowledge about obsolescence of spare parts on stock
- Important input for fit/gap analysis according to strategy

Module 3: Spare parts recommendation

Considering the results of Module 1, Siemens experts perform a risk analysis of the equipment in scope. This analysis, based on Siemens experience, include: failure probability of certain spare parts, the impact in the event of failure and the delivery time or general availability of spare parts. This knowledge allows for the optimization of the customer's spare parts strategy.

Deliverable

- Enhanced knowledge about the most important parts
- Increased knowledge about current lead times and the reasons behind
- Solutions to reduce lead times according to the customers strategy

Module 4:

Condition assessment of equipment

It is recommended to complete the consulting services with the Siemens standardized asset audit. A Siemens expert on-site investigates the equipment as of Module 1 with Siemens audit tools. The resulting asset audit report provides recommendations for substations based on their current condition. This report contains short, medium and long term measures.

Deliverable

- Objective, transparent and comparable determination of assets condition
- Information for asset management and decision support
- Safeguarding of environmental sustainability

Module 5:

Strategic spares solution

Module 5 combines all results of module 1, 2, 3 and 4. Based on this comprehensive information, Module 5 generates a customized offer for strategic spare parts, ready to be purchased. Optionally, Siemens offers warehouse solutions in addition.

Deliverable

- Awareness about recommended spare parts
- Offer according to strategy
- Values in order to apply for budget
- Optimized investment

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Siemens AG
Energy Management
Humboldtstr. 59
90459 Nuremberg
Germany

Customer Support Center
Phone: +49(180)524 70 00*
Fax: +49(180)524 2471*
E-mail: support.energy@siemens.com

*(Charges depending on provider)

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