

Spare Parts Programs for HV Equipment

Electrical asset availability and performance are key requirements for achieving substation operators' business objectives and return-on-investment. A reliable strategy of spare parts management, taking into consideration various lead times and shelf life, is critical to efficiently control risk and availability of installed assets. Substations' operators require an optimal spare parts management program to maintain and repair equipment during both planned and unexpected outages.

GE's Solution

GE provides customized Spare Parts Programs, securing the effective operation of installed legacy GE high voltage equipment. GE field experts can assess a fleet of installed HV assets and recommend a program that controls lead time and costs.

GE programs that ensure spare parts availability and obsolescence management include:

Maintenance Kits

GE's service experts have selected the parts required to perform the recommended maintenance plan according to the asset's age and model. Kits can be held as stock or delivered in line with the customer's scheduled outage plan.

Substation Spare Parts Analysis

The components assessment of the equipment installed in one or more substations helps identify the risk and criticality associated with each asset. A dedicated spare parts management strategy can be defined for each component type.

Strategic Spare Parts Stock

Following the result of the substation analysis, GE and the customer define the critical parts required to create a strategic stock according to the asset's criticality, condition and available budget.

Component Pool

A pool of critical spare parts for a specific asset model can be shared within several grid operators located in the same region through a multi-year adhesion contract. GE manages the pool, and repairs, manufactures and maintains the parts.

Applications

The spare parts programs applies to air-insulated switchgear, gas-insulated substations, power transformers, and FACTS and HVDC systems from GE legacy brands including Alstom, Areva, Alstom, GEC Alstom AEG, Sprecher+Schuh, Sprecher Energy, Schorch, and Cegelec during the product commercialization period and during ten years minimum after the end of the original product manufacturing.



Improved Availability

- 120.000+ references available for legacy GE models
- 24/7 access to spare parts at customer location
- Spare parts delivery 10 years minimum after the end of equipment manufacturing

Reduced Inventory Costs

- Limited inventory costs with the selection of spare parts covering customer acceptable level of risk
- Avoid capex investment with the component pool

Warranted Parts

- Access to original spare parts with manufacturer warranty
- Parts manufactured in ISO 9001 certified factories

