

# Maintenance of AIS 3AP DT and DTC

Preventive Maintenance



[siemens-energy.com/gt-service](https://www.siemens-energy.com/gt-service)

## Introduction

Siemens Energy Dead tank Circuit Breakers are best-in-class related to 'Mean Time Between Failures' (MTBF). The high product quality ensures a long service life as well as continuous fault free operation of the Circuit Breaker - and consequently of the whole system. It is necessary to follow the OEM maintenance instructions to achieve the expected lifetime of more than 50 years and to maintain the operational stability, safety, reliability, and availability of the Circuit Breaker.

We offer service attendance throughout the entire operating life of the circuit breakers, Inspection, maintenance, repair, and a round-the-clock fault service give you the necessary backup.

## Features

Preventive Maintenance according to OEM's recommendation (example for 25 years revision of AIS 3AP1 DT 145kV)

### 1. Step: Diagnostic test

- SF6 filling & gas analysis

### 2. Step: Inspection

- Rupture diaphragm
- Visual check of circuit-breakers
- Control of main contact system and Switching modules
- Leakage test

### 3. Step: Preventive maintenance

- Replacement of OEM recommendations
- Maintenance of operating mechanism
- Cleaning gas compartment
- Anti-corrosion protection

### 4. Step: Function test

- Mechanical & electrical function test
- Test operation
- Hydraulic monitoring system
- Trip & close solenoids
- Increased reliability of equipment

## Benefits

- Procedures strictly follow manufacturers' requirements
- Wide scope of measures to suit individual requirements, achieving economical solutions

- Certified technicians
- Original spares
- Fast execution

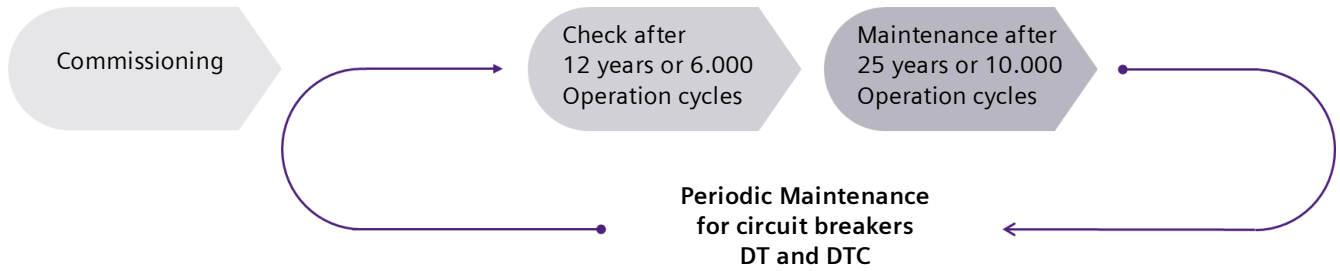
## Scope of Work / Deliverable

Maintenance is predefined according to manufactures recommendation but can flexibly be adapted to individual requirements. Siemens Energy supports its customers to choose an adequate and cost-effective solution. All services are supervised or performed by certified Siemens Energy experts.

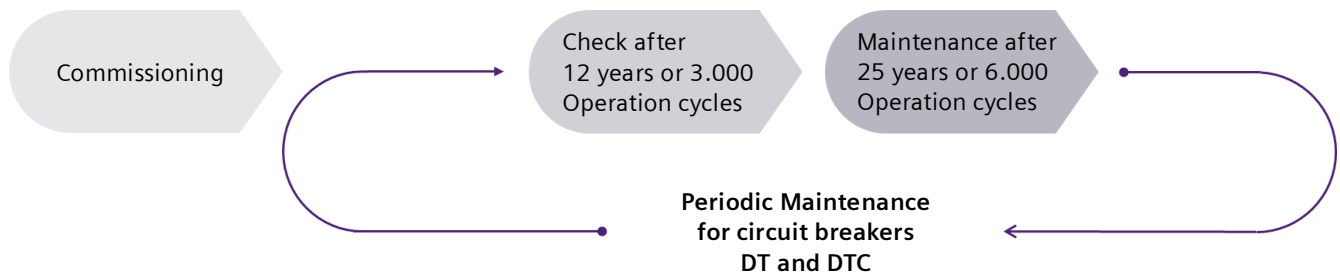


## Service Recommendations

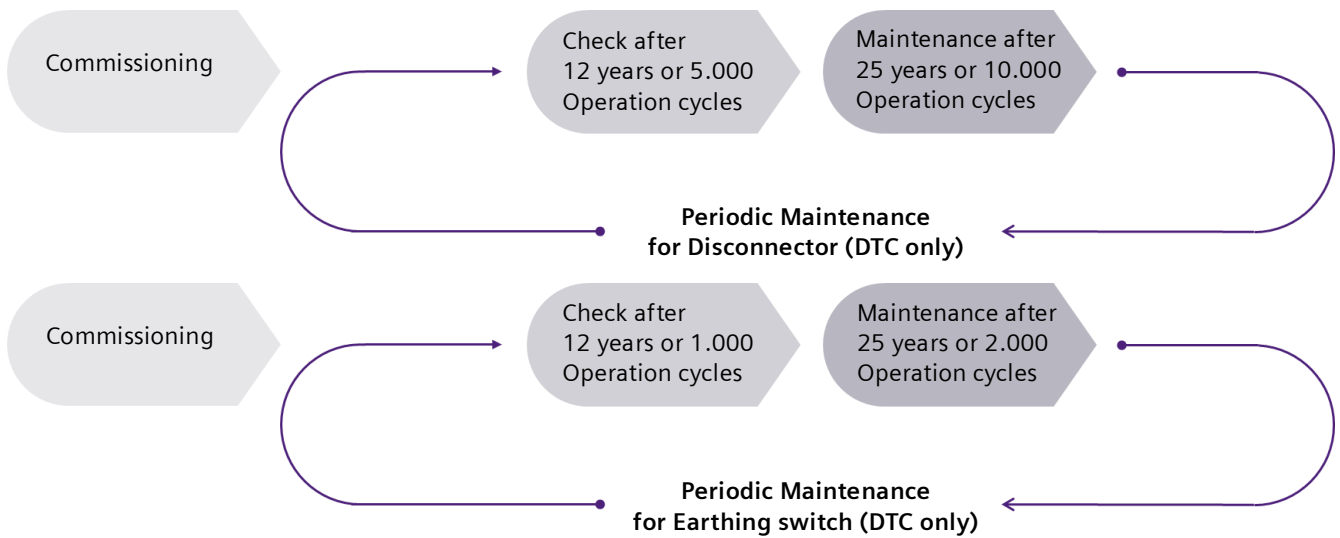
### Switching of ohmic-inductive loads



### Switching of reactive loads



### Disconnecter / Earthing switches



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Grid Technologies Service  
Humboldtstr. 64  
90459 Nuremberg, Germany

Customer Support Center  
Phone: +49 911 6505 6505  
E-Mail: [support@siemens-energy.com](mailto:support@siemens-energy.com)

For more information, please visit our website:

[siemens-energy.com/gt-service](https://www.siemens-energy.com/gt-service)

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