THE POWER BEHIND POWER.

Condition Assessment of Circuit Breakers

Identify risks early and receive recommendations for action

Condition Assessment of Circuit Breakers

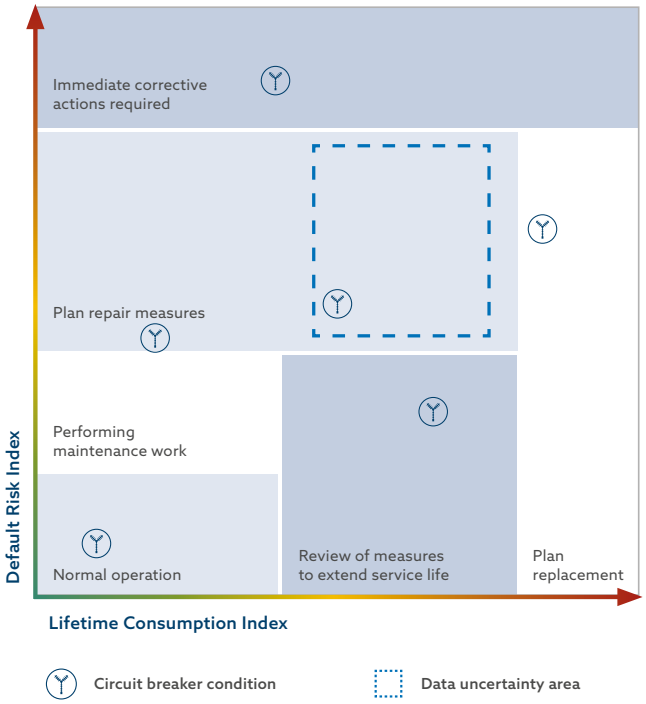
Two-dimensional condition assessment of high voltage circuit breakers in air-insulated substations

After power transformers, circuit breakers are the most valuable and strategically important equipment in a substation. To optimize reliability and extend service life, we offer a detailed condition assessment of your high voltage circuit breakers in air-insulated systems, similar to our condition assessment for transformers (TESSA® FLEETSCAN 2D).

The assessment is based on:

- Master data and historical data
- Visual inspection
- IR thermography
- SF6 gas analysis*
- Electrical measurements*

*The switchgear must be de-energized. To minimize downtime, we recommend combining this with a condition assessment of the transformers involved.



Your benefits:

- The status of all circuit breakers at a glance
- Identification of critical equipment
- Clear and prioritized recommendations for action to ensure optimal budget and resource allocation
- Accounting for data uncertainty as a reliable basis for decision-making
- Customized and cost-effective data collection

Contact:
Korbinian Maurer
Project Manager – Service Solutions
+49 941 4090-2618, k.maurer@reinhausen.com

The 2D matrix visualizes the current technical condition and the failure risk of the circuit breakers based on operating data, diagnostic results, and expert assessment. It serves as a basis for decision-making regarding the prioritization of maintenance measures and investments.

Reinhausen GmbH, Falkensteinstr. 8, 93059 Regensburg, Germany, Phone: +49 941 4090-0
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