### YOUR CHALLENGES

- Increasing average transformer age
- Increasing loads due to the integration of renewable energies
- Changing regulatory specifications
- Missing information about equipment condition
- Efficient and secure transformer operation required over the entire life cycle
- Increasing pressure regarding costs and availability of assets

### OUR SOLUTIONS

- Individual and cost-efficient data collection
- Concise overview of the condition of your entire transformer fleet
- Identification of critical units before problems arise
- Two-dimensional approach (failure risk index and lifetime consumption index)
- Clear and prioritized recommendations allowing budget and resource allocation
- Central document management with continuous access
COLLECTING AND ASSESSING DATA

**LEVEL**

3 Transformers out of operation
   Electrical measurement

2 Transformers in operation
   Visual inspection, oil analysis, IR thermography

1 Transformers in operation
   Available information

**DATA ASSESSMENT**

- Selection of units with suspicious conditions as well as candidates for life-extension measures
- Further observations regarding aging and unit condition
- Complete fleet screening
- Clustering and sampling

TESSA® FLEETSCAN 2D – YOUR FLEET AT A GLANCE.

- Failure risk index reflects the short-term perspective and addresses the OPEX budget
- Lifetime consumption index reflects the long-term perspective and addresses the CAPEX budget
- Recommendations and action plans
- Condition-based maintenance strategy
- Refurbishment and life-extension measures
- Strategic replacement rather than age-driven replacement
- Investment scenarios

CLIENT-FOCUSED SOLUTIONS
For optimal performance throughout the entire transformer lifetime.

<table>
<thead>
<tr>
<th>6,000+ yearly service jobs worldwide</th>
<th>100+ years experience in the design of crucial transformer components</th>
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<tbody>
<tr>
<td>280 qualified service technicians</td>
<td>5 certified training centers</td>
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<tr>
<td>24/7 ready for onsite support</td>
<td>60+ years of service history</td>
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<td>24 months warranty on our services</td>
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