

# TESSA® FLEETSCAN 2D






## FLEET MANAGEMENT FOR POWER TRANSFORMERS









YOUR PARTNER AND CONSULTANT FOR PRECISE CONDITION ASSESSMENT AND COST-EFFECTIVE MANAGEMENT OF YOUR TRANSFORMER FLEET.

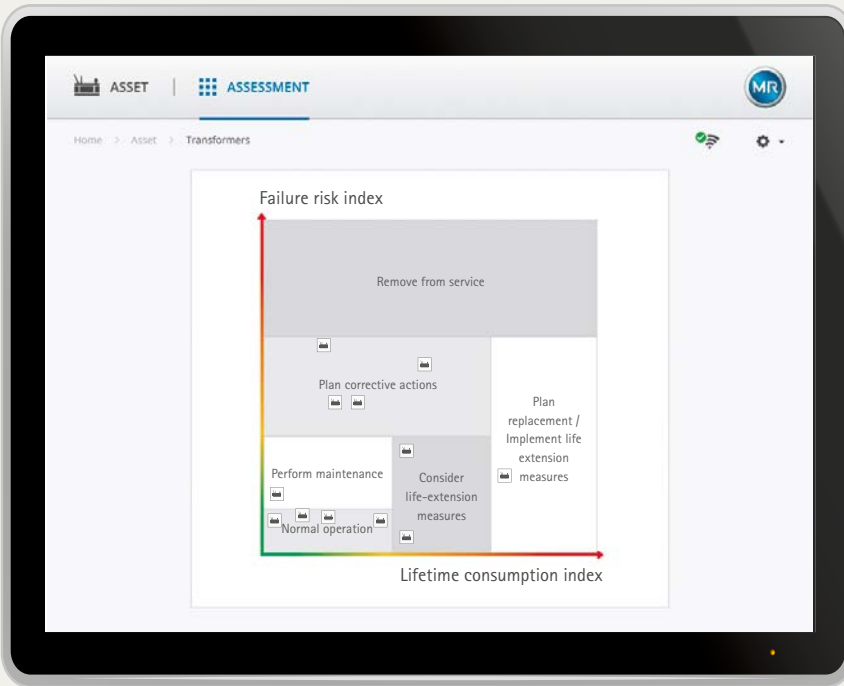


### YOUR CHALLENGES

-  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



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

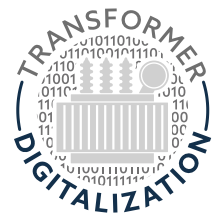
- ▮ Failure risk index reflects the short-term perspective and addresses the OPEX budget
- ▮ Lifetime consumption index reflects the long-term perspective and addresses the CAPEX budget
- ▮ Recommendations and action plans
- ▮ Condition-based maintenance strategy
- ▮ Refurbishment and life-extension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

## COLLECTING AND ASSESSING DATA

	LEVEL	DATA ASSESSMENT
Data collection by MR or customer	<b>3</b> Transformers out of operation Electrical measurement	<ul style="list-style-type: none"> <li>▮ Selection of units with suspicious conditions as well as candidates for life-extension measures</li> </ul>
	<b>2</b> Transformers in operation Visual inspection, oil analysis, IR thermography	<ul style="list-style-type: none"> <li>▮ Further observations regarding aging and unit condition</li> </ul> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <input checked="" type="checkbox"/> Data insufficient  <input type="checkbox"/> Data sufficient             </div> </div>
	<b>1</b> Transformers in operation Available information	<ul style="list-style-type: none"> <li>▮ Complete fleet screening</li> <li>▮ Clustering and sampling</li> </ul> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <input checked="" type="checkbox"/> Data insufficient  <input type="checkbox"/> Data sufficient             </div> </div>

## CLIENT-FOCUSED SOLUTIONS

For optimal performance throughout the entire transformer lifetime.



**6,000+** yearly service jobs worldwide

**100+** years experience in the design of crucial transformer components

**280** qualified service technicians

**5** certified training centers

**24/7** ready for onsite support

**60+** years of service history

**24** months warranty on our services



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THE POWER BEHIND POWER.

