








FOR A CAR, REGULAR SERVICING PAYS OFF. AND THE SAME APPLIES TO TRANSFORMERS.






In order to guarantee the reliable operation of your power transformer, the on-load tap-changer (OLTC) must function properly. To ensure this, every OLTC requires professional maintenance. The crucial maintenance criteria for on-load tap-changers using conventional oil technology are the number of tap change operations and the time in service.



YOUR CHALLENGES

-  Avoid unplanned and costly transformer outages
-  Optimize asset management costs and service budget
-  Update transformer equipment to state of the art technology
-  Fulfill quality, safety and environmental requirements for transformer and OLTC service
-  Ensure maintenance of main transformer components

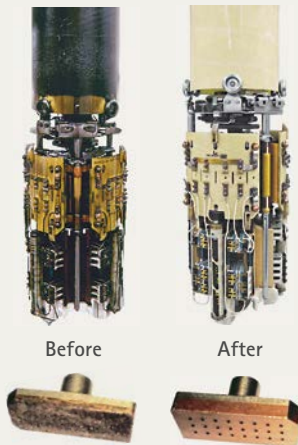
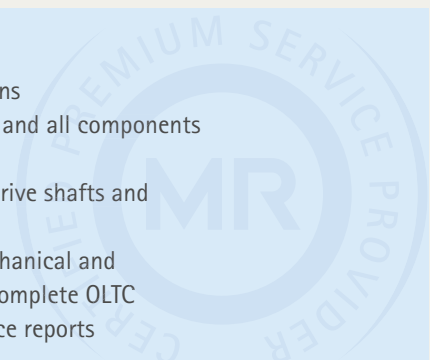
OUR SOLUTIONS

-  Increase transformer availability and trouble-free OLTC operation by TESSA[®] OLTC Premium Service by MR
-  Raise transformer equipment life-time by regular MR OLTC service
-  Upgrade OLTC to state of the art material and use of original OEM spare parts
-  Provide OLTC service according to DIN ISO 9001 Quality Management and DIN ISO 14001 Environmental Management
-  Get your customized service recommendation and TESSA[®] OLTC Premium Service by MR

ON-LOAD TAP-CHANGER MAINTENANCE BY MR.

MR Premium Service

- Replacement of worn parts
- Precautionary replacement of highly stressed materials
- Update of materials to latest technology and innovation standards
- Calculation of absolute values and differences in contact wear
- Measurement of transition resistors
- Visual check of insulation sections
- Cleaning of insulating materials and all components
- Replacement of insulating oil
- Inspection of motor drive unit, drive shafts and protective relay
- Commissioning, incl. visual, mechanical and electrical function tests of the complete OLTC
- Provision of detailed maintenance reports



Influences

- Material/type
- Load current
- Voltage stress
- Number of tap change operations
- Year of manufacture

Maintenance triggers

Due to fast tap change operations, mechanical stress and switching arcs occur which leads to:

- Wear of components
- Contact wear
- Oil carbonization

Criteria

Number of tap change operations or time interval, see example.

Example of OLTC maintenance criteria			
OLTC type (OILTAP*)	No. of tap change operations without oil filter	No. of tap change operations with oil filter	Time interval
V III 250 Y	70,000	140,000	6-7 years
M III 500 Y	80,000	150,000	7 years

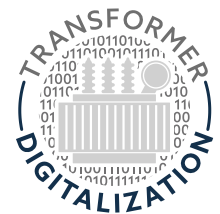
For more details please see operating instruction on www.reinhausen.com



Please send us your OLTC serial number and number of tap change operations. We'll send you a customized OLTC service recommendation. We also service numerous OLTCs made by third-party manufacturers or produced under MR license.

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



CONTACT US AT:
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THE POWER BEHIND POWER.

