



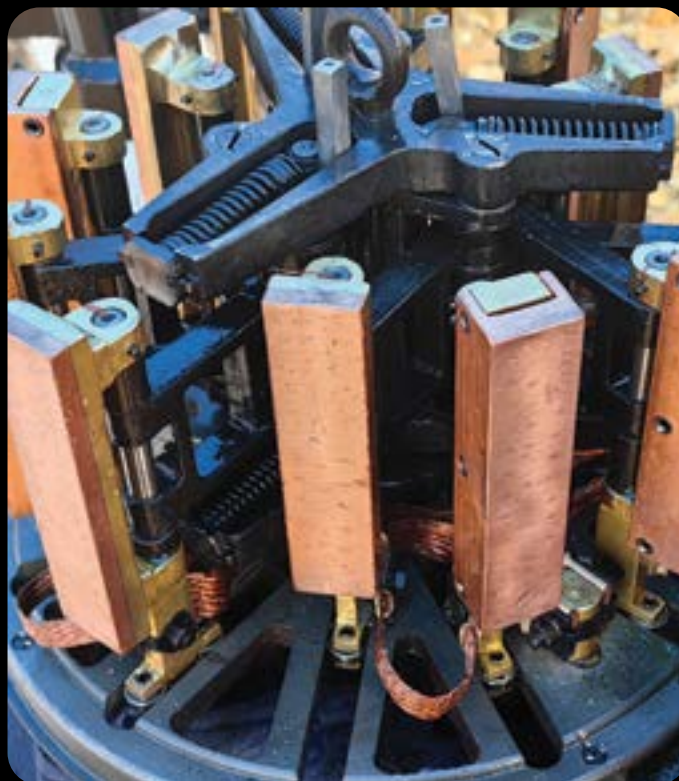
On-Load Tap-Changers

inspection and maintenance
services

VOLTAIP



Before



After

Why OLTC maintenance Matters?

On-load tap-changer OLTC is one of the most critical and active components in a power transformer. It adjusts voltage levels under load, ensuring a stable output. Over time, this switching function causes mechanical wear, contact erosion, and oil degradation. Without timely service, the OLTC can become a point of failure, risking unplanned transformer outages. Regular maintenance is essential to extend the life of your transformer and ensure safe and efficient operation.

When does it need Maintenance?

Maintenance of on-load tap-changers should be carried out as per the criteria defined by the original equipment manufacturer.

Since there are two main categories of OLTCs, i.e., oil and vacuum.

Therefore, both types have separate maintenance criteria.

I. Operation-Based Intervals are applicable only for vacuum-type.

Service after a specific number of switching operations

II. Time-based intervals are applicable only for oil-type.

For oil-type OLTC, even at low operation counts, service is recommended after every 6 to 7 years to address oil aging and mechanical stresses.

For precise service intervals, refer to the VOLTAP technical catalogue or contact our after-sales team.

III . Condition base Maintenance.

Maximize Uptime, Minimize Costs: With Voltap CBM, we monitor your OLTC's health, delivering precise maintenance interventions only when needed, reducing unexpected failures and unnecessary expenses.



Before



After

Motor Drive Unit MDU Replacement Service

Very often, we only discuss OLTCs and their maintenance; the importance of the motor drive unit cannot be overlooked. In fact, it is the part that is not only responsible for operating the tap-changer and counting its total number of switching operations. But it also has all the electrical and mechanical safeties essential for OLTC and transformer as well.

Older drive models often suffer from mechanical wear, slower operation, and limited integration options with modern control systems. Or maybe it is the case when spare parts are no longer available for your current unit.

VOLTAP Solution for MDU replacement.

VOLTAP offers a complete end-to-end solution for replacing outdated motor drive units - regardless of the original manufacturer.

We provide a fully compatible retrofit package featuring our next-generation MDU series.

Our solution ensures:

- Custom adapter and bracket solutions for legacy models including Elprom MZ, MA-series, etc.
- Operational checks and ratio testing
- Full commissioning and warranty coverage
- Mechanical and electrical compatibility with existing systems
- Modern control interfaces and enhanced reliability
- Minimal downtime during installation
- Full commissioning and support by VOLTAP engineers

Upgrade with confidence—VOLTAP makes MDU modernization easy.

Our OLTC Service Package Includes

- Visual inspection of the OLTC chamber and internal components
- Replacement of worn parts with original VOLTAP spares
- Contact wear assessment and resistor measurement
- Insulating oil replacement
- Mechanical and electrical function tests
- Mechanical and electrical safety checks
- Motor drive, shaft, and tap-changer protective relay inspection
- Switching time test
- Detailed service report with expert recommendations

Why Choose VOLTAP OLTC Service?

As the original manufacturer of your OLTC, VOLTAP is uniquely equipped to deliver expert service with precision and care.

- OEM knowledge and original spares
- Certified service engineers trained in-house
- End-to-end retrofit, maintenance, and support
- Global coverage with quick response teams
- Long-term commitment to transformer reliability

Tailor-made solutions :

You can choose OLTC Service Package that meets your needs the best from one time service interventions to annual or multi-year subscriptions as well as comprehensive extended warranty plans.

Voltap's Virtual Support "Live Expert Consultations"

Experience seamless support with Voltap's new Online OLTC Assistance System, offering virtual meeting

Contact our after-sales team today to schedule a service visit or request a quote

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