COMEM

LEAFLET

Transformer monitoring for data centers

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Data centers operate in highly demanding digital environments.

Continuous high loads, thermal stress, and 24/7 operation push transformers to their limits, increasing the risk of overheating, failures, and costly downtime.

COMEM transformer monitoring solutions, including eDevices, and fiber-optic monitoring, is designed to ensure maximum reliability under continuous high-load operation.

Key benefits:

- **Real-time visibility** of transformer condition under continuous high-load operation
- **Predictive diagnostics** to prevent unplanned outages and reduce maintenance costs
- **Precise thermal monitoring** with ±1 K accuracy for immediate anomaly detection
- **Extended transformer lifecycle** and safer operation throughout the entire service lifetime

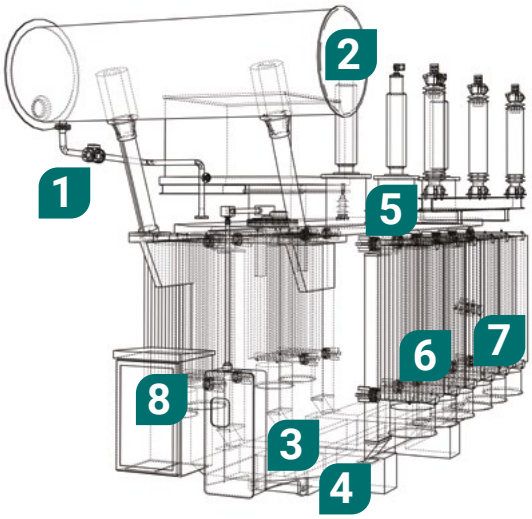
Data-center applications:

- Mission-critical data center infrastructures
- Facilities with high-density, mission-critical electrical loads
- Digital infrastructures where even seconds of downtime are unacceptable

Why buy?

- **Flexible monitoring approach:** from a single eDevice to a fully integrated MeDICA* ecosystem
- **Complete insight** into transformer condition: thermal behavior, moisture, gases, ageing, and load stress
- **Early risk detection** before availability is impacted
- **Lower total cost of ownership** through data-driven maintenance
- **Long-term reliability** supporting IT service continuity

Our monitoring product portfolio includes:



1. Relays

- eBR80

2. Liquid level indicators

- eOLI
- eOLI22
- CU eOLI

3. Self-dehydrating breathers

- eSDBXS
- eSDBS
- eSDBM
- eSDBL

4. Oil diagnostic devices (DGA)

- eDOC-H
- eDOC-HM

5. Pressure relief devices

- e170SC

6. Temperature indicators

- eOTI
- eWTI / eATI / eATIw / AWTI

7. Fiber-optic hot-spot monitoring

- FOTEMPT T30
- FOTEMP T20
- TST

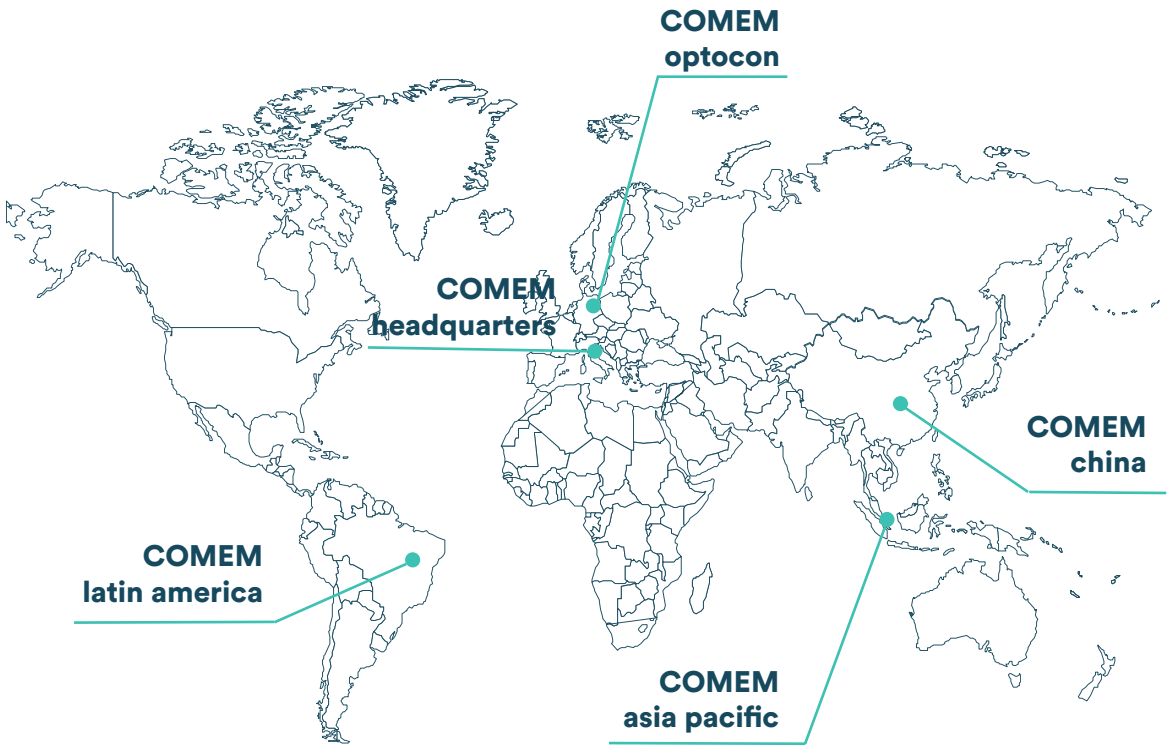
8.Transformer monitoring system (TMS)

- eDAC

*__Discover MeDICA__, our digital ecosystem that connects sensors, analytics, and services into a unified monitoring platform.

Partner with us

We know your business and value for time



Contact us and get support with the product selection:

- marketing@comem.com,
- medica@comem.com
- or reach out to our Authorized Partner Network:

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