

BROCHURE

# Portfolio overview

COMEM Group

A photograph of a dense forest of tall, thin evergreen trees, likely spruce or fir, with a rocky shoreline in the foreground. The image is framed with rounded corners. The text is overlaid on the left side of the image.

**We are with you  
over the entire  
transformer life cycle.**

From pre-sales support with product selection up to the installation, commissioning and after-sales support.

# Partner with us

We know your business and value for time

**1. Shutter valves**

Pipe diameter availability: 25, 50 and 80 mm



**2. Buchholz relays**

Pipe diameter availability:  
25, 50, 80 and 100 mm  
Available also as an eDevice  
for smart transformers



**3. Breathers**

Range from 4 to 100t of oil for  
conventional types  
Range from  $\leq 40T \geq 200t$   
for eDevice types  
Available also as an eDevice  
for smart transformers



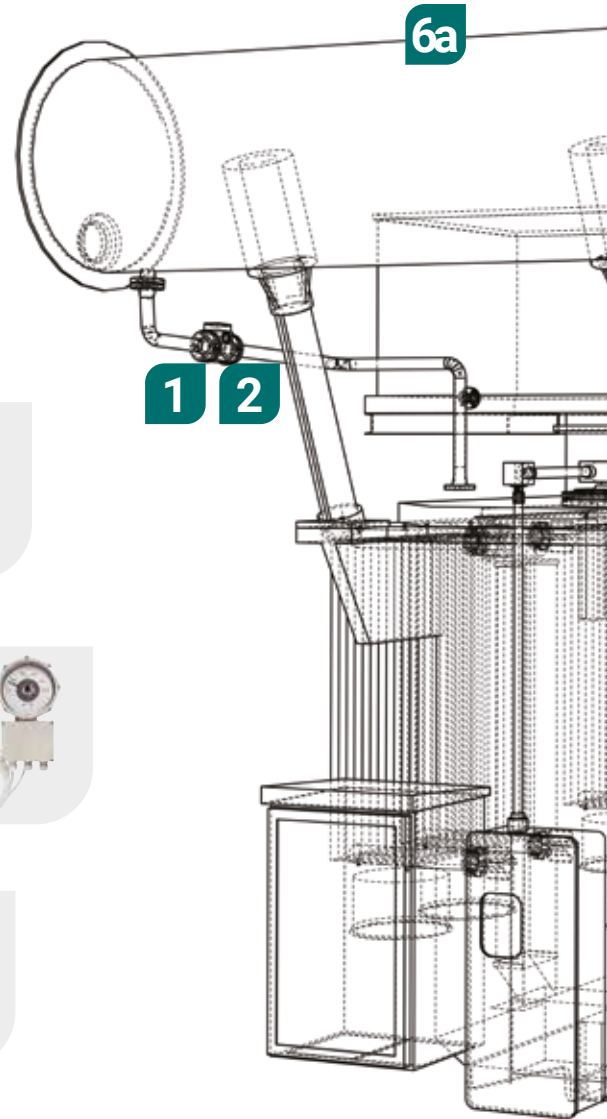
**4. Winding Temperature indicators**

Available for oil/IEC & air/ANSI  
Available also an eDevice for smart transformers



**5. Liquid temperature indicators**

Available for oil/IEC & air/ANSI  
Available also an eDevice for smart transformers



**Integrated safety devices**  
for liquid-filled distribution transformers



**Contact us and get support with the product selection:**  
[info@it.comem.com](mailto:info@it.comem.com)  
[customerservice@it.comem.com](mailto:customerservice@it.comem.com)

**8. Bushings**



**Porcelain oil bushings**

- Nominal voltage: 1 – 52 kV
- Rated current: 250 – 8000A



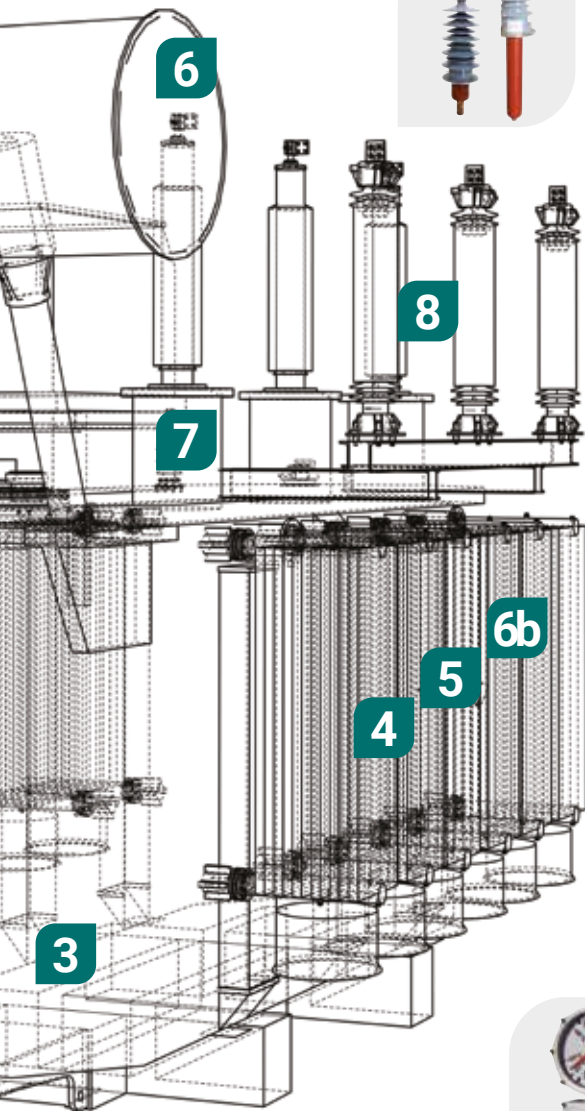
**Epoxy resin bushings**

- Nominal voltage: 1 – 42 kV
- Rated current: 250 – 2500A



**Combined resin silicon bushings**

- IEC range:  $U_m \leq 72.5$  kV,  $I_r \leq 6300A$
- IEEE range:  $U_m \leq 34.5$  kV,  $I_r \leq 3000A$



**7. Pressure relief devices**

Available in five sizes  
 conventional types:  
 50, 80, 125, 170, 200mm  
 Available size 170mm for  
 eDevice type



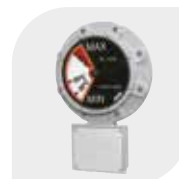
**6b. eViewer**

enabling accurate liquid level  
 reading at men-height on-site



**6a. Contactless liquid level indicators**

eDevice for smart transformers used in  
 combination with eViewer



**6. Liquid level indicators**

Available in 5 different models  
 Available also as an eDevice  
 for smart transformers



**Temperature monitoring units**  
 for dry-type transformers

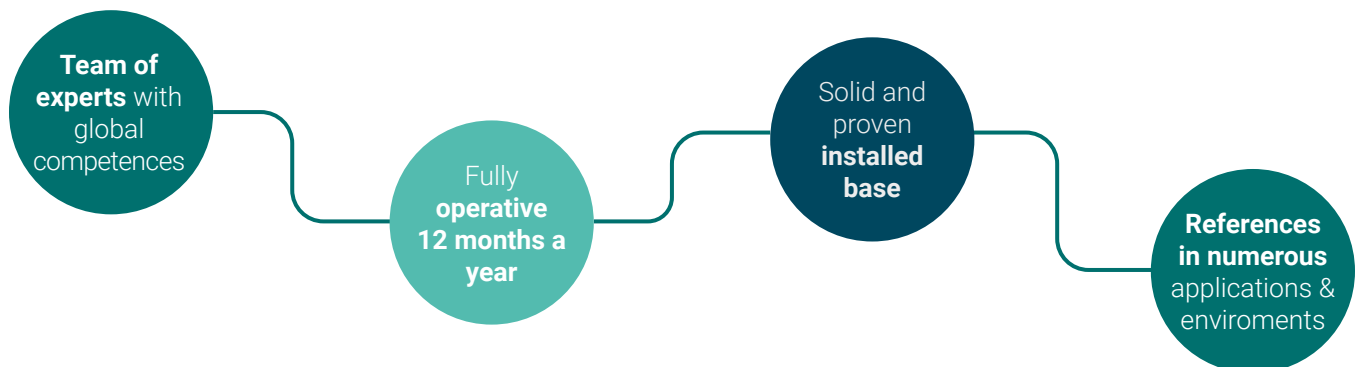
# COMEM service

## A customer-focused organization

- **Pre-sales support**
  - Specifications' analysis
  - Product identification
- **Transformer digitalization**
  - Decide the level of digitalization for your transformer
- **Type tests**
  - Power frequency voltage withstand test
  - Impulse Lightning voltage withstand test
  - Partial discharge measurement
  - Capacitance measurement
  - Cantilever load withstand test
  - Temperature rise test
  - Tightness test on liquid filled
- **Tailor made trainings**
  - Devices/eDevices - Basics
  - Online webinar
  - Offline training at COMEM site
  - Offline training at Customer site
  - eDevices – Hands-on
  - Offline training at COMEM site
  - Offline training at Customer site



- **Special tests**
  - Vibration withstand test
  - Degree of protection IP test
  - Oil compatibility
  - Other tests
- **Dissolved gas in oil analysis (DGA)**
  - Collaboration with external accredited laboratories.
- **Spare parts management**
  - Accessories spare parts
  - Bushings spare parts



[www.comem.com](http://www.comem.com)

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