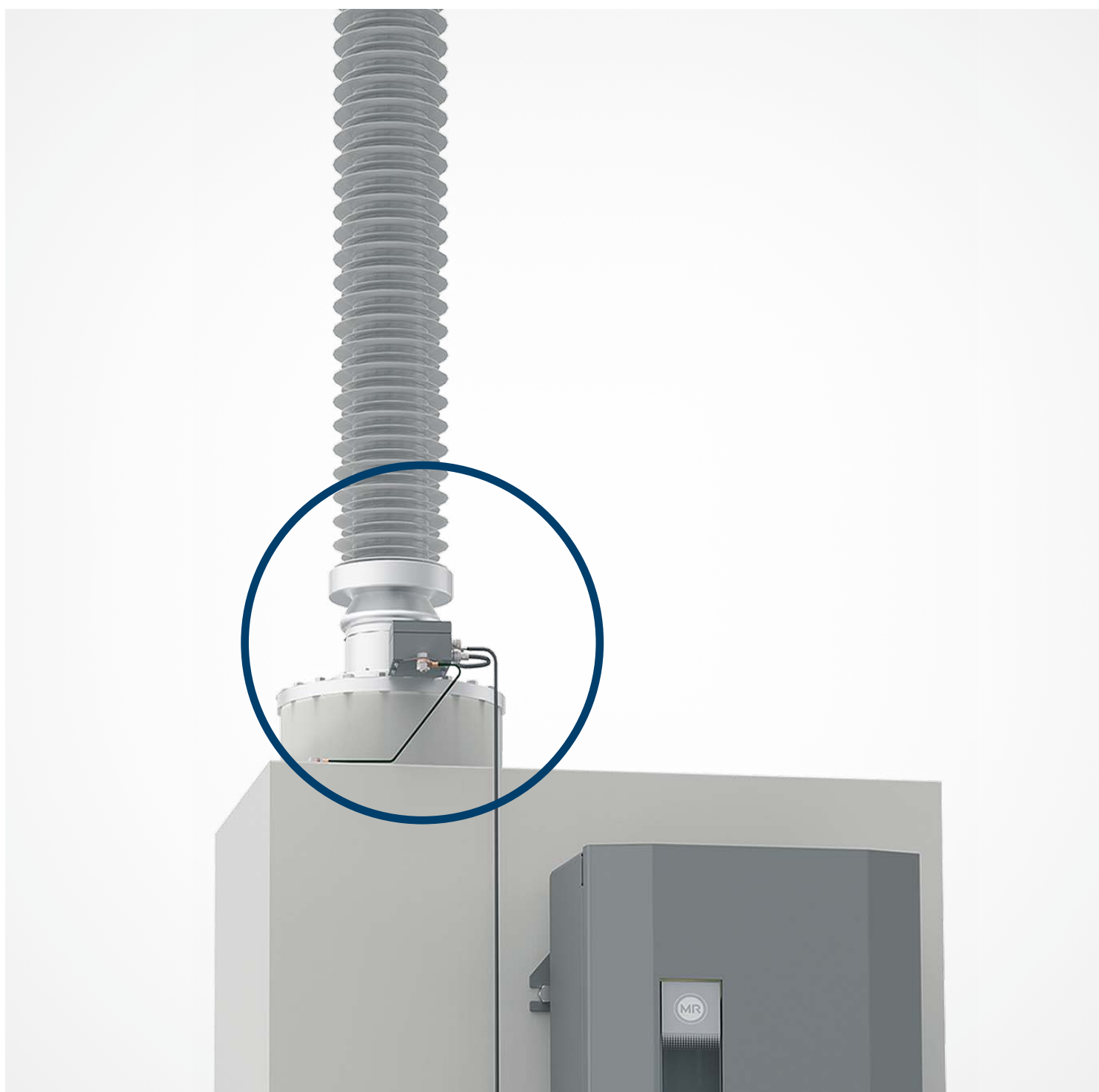




Online and continuous monitoring of high-voltage bushings with MSENSE[®] BM

reinhausen.com



How can I detect transformer bushing errors on time?

Why MSENSE® BM?

Due to the operational load together with aging processes caused by environmental conditions, transformer bushings are subject to constant electrical, thermal and mechanical stress. The result is a change in the insulation system up to partial discharges and the associated reduction in service life and increased probability of failure. The increase in capacitance and change in dissipation factor ($\tan\delta$) are important indicators of the aging condition.

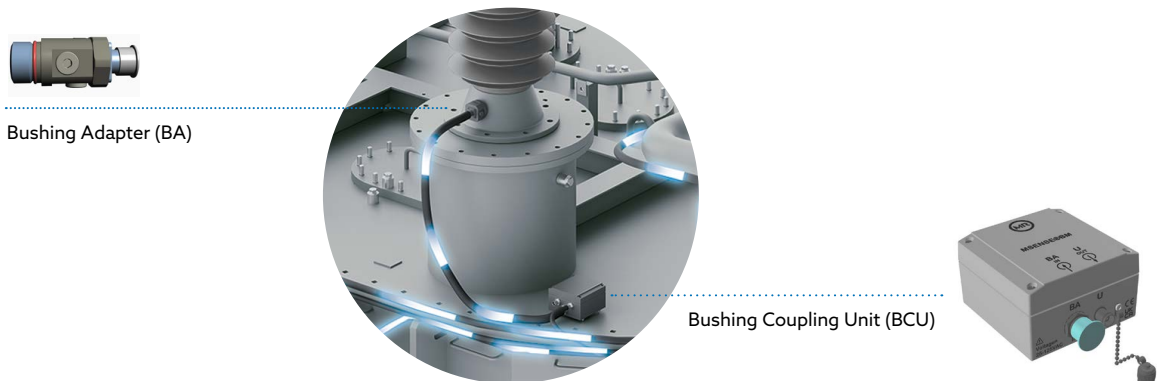
MSENSE® BM is a part of intelligent sensor family with easy integration to Embedded Transformer Operating System ETOS®.

How does MSENSE® BM work?

Due to precise voltage measurement with reference to other bushings and/or voltage transformers MSENSE® BM calculate change of main capacitance C1 and dissipation factor ($\tan\delta$) separately for each transformer bushing giving warnings and alarms when user intervention is needed.

Your advantages

- Easy Installation – no long-term calibration or learning phase is needed.
- Compensation of weather and power network fluctuation based on transformer phase reference – 2/3 algorithm innovative and patented method of bushing comparison.
- Therefore, no additional sensors are necessary like temperature or moisture.
- Easy upgrade to Partial Discharge monitoring function also for temporary diagnostic.
- Integration into ETOS®, the expert at your side for data analysis, evaluation and recommendations for action
- We are there when you need us - global service network MR with 24/7 availability.
- Personal support from your local contact in MR Sales



→ [More information](#)

Contact us at: MSENSE@reinhausen.com