

# TXtreme™

## Resilient solution for distribution transformers



A distribution transformer is designed to last 20-30 years. However, external forces are working against the transformer. More specifically, the environment in which it is located can cause transformer failure. Roughly 80 percent of distribution transformers fail due to rust, corrosion or leaks. The heartbeat of the transformer, the core and coil assembly, generally outlast the metal tank that houses the unit.

Whether it be sea salt in a coastal environment, moisture and chemicals in an underground vault, or fertilizer from the local lawn maintenance service, the environment can cause corrosion which may lead to transformer leaks or failure.

Utilities and industrial companies recognize the many causes of transformer tank degradation and are turning to stainless steel. However, stainless can be heavier and larger, creating the need for new pads and civil work at the replacement site. Wouldn't it be nice to simply purchase a transformer that looks and feels like your old unit, but with a coating

system sturdy enough to outlast environmental factors? ABB is proud to introduce the TXtreme™ distribution transformer. The transformer incorporates breakthrough technology that is designed to provide the extra protection needed from harsh environments. The unique coating is not only on the tank, but also on the joints and cooling system.

ABB's new patented\* TXtreme coating system can survive the elements and help reduce operations and maintenance costs because there is no longer a need to touch up or repaint the transformer due to corrosion. Additionally, TXtreme provides superior protection against leaks. Since the transformer and internal components are protected, the distribution transformer will last longer in harsh environments.

\* Patent pending

# Resilient solution to protect your assets in extreme environments

## Key features

- Superior corrosion resistance even in coastal, industrial, or chemical environments
- Increased mechanical strength to prevent shipment, installation, and location related damage
- Improved leak prevention and avoidance
- Lighter weight units with the same level of protection as stainless steel

## Application environments:

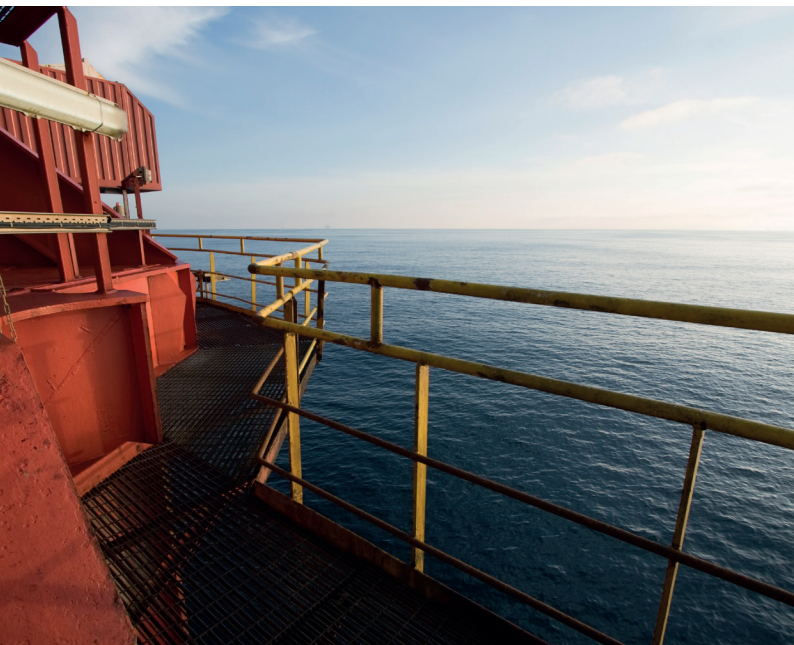
- Coastal environment
- Offshore platform
- Underground vault
- Irrigation / fertilizer area

## TECHNICAL STANDARDS

| STANDARD       | APPLICATION                              |
|----------------|------------------------------------------|
| ANSI C57.12.28 | Standard pad-mounted equipment           |
| ANSI C57.12.29 | Coastal environments                     |
| ANSI C57.12.32 | Submersible equipment                    |
| ISO 12944      | Corrosion protection of steel structures |
| ISO 20340      | Offshore structures                      |

Available for units classified:

- < 7.5 MVA base rating
- < 36 kV voltage class



## Contact:

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