Having critical spare parts on hand can significantly reduce the down-time associated with:
- Transformer maintenance
- Forced outages
- Electrical failures
- Mechanical failures

As a minimum for operational reliability, it is essential to have critical parts and components readily available, such as:
- Bushings
- Tap changer contacts
- Relays
- Gaskets
- Fan motors and pumps

The above parts should be in stock in the customer warehouse for immediate use in order to avoid long outages. Some of these parts can take considerable time to obtain from the manufacturer.

**Advantages of good spare parts planning**
- Reduces transformer downtime
- Reduces costs: rush deliveries and transport of parts by air to meet an urgent requirement can be over 10 times more costly than by normal means.

**ABB proposes the following spare parts solutions:**
- Condition assessment or fleet assessment to determine the critical spare parts needed on hand for emergencies
- Recommendation of parts to order ahead for a planned maintenance
- Asset inventory
- Stock management
- Recommendations on storage

**Original parts**
Whether you have a distribution, power transformer, reactor, HVDC unit, industrial or a traction transformer, as the largest transformer manufacturer in the world ABB has access to the original design documents for transformers of the ABB family*.
This makes it possible to trace part numbers and obtain original parts or equivalent.

**Engineering support**
Many older transformers have parts such as bushings which are no longer available and engineering support is required to find an equivalent replacement. In some cases a new bushing shield is required. ABB provides this engineering support to ensure the right replacement part.

* Note: ABB family includes brands such as: ABB, ACEC, ASEA, Ansaldo, Breda, BBC, CGE, Challenger, Elektrisk Bureau, Elta, GE (> 40 MVA), GTE, Gould, IEL, ITC, ITE, Indolve, Industrial Design, Italtrafo, Lepper, MFO, Marelli, Moloney, National Industri, No-Tra-Mo, Ocren, OEL, OTE, Richard Pfeiffer, Sécheron, Stromberg, TIBB, Thringe, Westinghouse, Zinsco.