

Small power transformers

Monselice, Italy



Factory Location

The ABB factory in Monselice is a focused factory for small power transformers. Markets for the factory include: North and Central Europe, the Mediterranean Region as well as the Middle Eastern and African market. During the past 60 years, the Monselice plant has achieved a high level of expertise in the production of small power transformers. Monselice is located an hour's drive from Venice Marco Polo Airport and it is well connected by regional trains and highway networks.

Factory history and facts

Factory in operation since 1952.

- 1952: the Scarpa company set up INDELVE (IndustriaElettromeccanica Veneta) S.p.A., which dealt in bakelite paper and distribution transformers
- 1988: ABB took over INDELVE
- 2002: the factory became a “Focused Factory” for Small Power Transformers for Europe, the Middle East and North Africa
- 2004: the new global product platform was ready to go into production
- 2006: capacity expansion to 5500 MVA and implementation of semi-automatic technologies in core and winding production

- 2009: new production facility became operation
- Area: 40000 m²
- Technology Center for development of small power transformers
- OpEX Team
- Quality School

Product Portfolio

Small power transformers ranging from 10-63 MVA.

Rating	10-63 MVA Maximum
System Voltage	171 kV Maximum
Insulation Level	BIL 650
Cooling	ONAN/ONAF/OFAF/ ODAF/KNAN/KNAF

- More than three windings
- Single phase transformers
- Auto - transformers
- Special layouts (truck or railway mobile)
- Special cooling
- Low noise level



Major Developments

- High temperature class transformers
- Low noise solution
- Online monitoring system - TEC
- Efficient transformers with reduced losses
- Insulating Oil: BIOTEMP / Midel
- New material: Nomex
- Design/Process requirements controlled by a set of 25 Quality Cards
- The OHS requirements are fulfilled by compliance with the global ABB OHS Instructions
- Occupational Health and Safety (OHS)

Quality

- Quality System: ISO 9001
- Environmental Management System: ISO 14001
- Health and Safety Management System: OHSAS 18001
- External surfaces treatments in accordance with ISO 12944 standards
- CCRP (Customer Complaint Resolution Process)
- Measure, Monitor and manage of COPQ (Cost Of Poor Quality)
- 4Q Problem resolution process (Four Quadrants - gather data, analyze, implement, sustain)

For more information please contact:

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