



Company Overview

TMC Transformers SpA | Busto Arsizio (VA) - Italy



TMC Transformers SpA | Busto Arsizio (VA) - Italy

- 2001, May Start-up of TMC Italia S.p.A. transformers' production
- 2009, March Transfer into new HQ of total 23.000sqm in Busto Arsizio (VA)
- 2017, August Acquisition of TMC Italia S.p.A. by **Next Technology Group**
(NTG Holding Company controlled by Palladini family)
- Acquisition included:**
- Production facilities of total 23.000 sqm located in Busto Arsizio (VA), Italy
 - Technical designs & Client data-base
 - Materials/ Stock
 - Trademark
- 2017, October Re-branding: **TMC Transformers SpA**
- 2017, October 30th Delivery of the 1st manufactured unit of **TMC Transformers SpA**

TMC Transformers SpA | Busto Arsizio (VA) - Italy

NEXT
TECHNOLOGY
GROUP



A Single Group, Many Different Skills

www.nexttechnologygroup.com

Process Automation Sorting Systems

Software Development – Production &
Supply Chain Management

Product Modeller and Configurator

Supply Chain Solutions

Transformer & Inductor Manufacturer



Dry type transformers & inductors

Next Technology Group – TMC Target

To develop the existing transformer business, reach out to previously untapped markets for TMC and offer a range of products and services to support both new and existing customers.

“Cover diverse applications from power distribution to converter applications, railway rolling stock to renewable energy”

“Involve a range of markets from marine & offshore and oil and gas production, wind and solar energy systems”

“We are proud to offer to our customers our technological strengths and engineering expertise to develop opportunities for mutual business growth and market expansion”

Dry type transformers | MV casting area



HV Foil Winding Technology

- Aluminium or Copper Conductors
- 100% In-house Manufactured by TMC
- 7 x High Speed 'Tuboly' Winding Machines

Provides

- Environmental Protection
- Excellent Dielectric Withstand
- High Short Circuit Withstand Strength

Dry type transformers & inductors | LV winding area

LV Foil Winding Technology

Aluminium or Copper conductors

- 5 x LV Foil Winding Machines
- Existing Vacuum Impregnation (VI) System
- Introduction of Vacuum/
Pressure Impregnation (VPI)

Provides

- Environmental Protection
- High Short Circuit Withstand Strength
- Optimum Thermal Distribution in Coils



Dry type transformers & inductors

Casting Plant & Factory



Modern Vacuum Casting Plant

- Twin Vacuum Cast Autoclaves
- 7 x Curing Ovens
- Casting Capability – 80 x HV Coils/ Day



Production Facility

- Lifting Capacity 20T
- 7 x HV Foil Winding Machine
- 5 x LV Foil Winding Machine

Dry type transformers & inductors

Test Laboratory



- **Routine Testing** - IEC/ International and Contract Requirements
- **Type Testing** – Impulse Withstand and Temperature Rise
- **Special Testing** - Environmental (Climatic Chamber), Noise (Anechoic Chamber)

Dry type transformers & inductors

Enviromental | Climatic | Flamability

Resistance to Condensation & Pollution

E2 Heavy Pollution, Frequent Condensation



Resistance to Thermal Shock

C2 Thermal Shock Test from -25°C



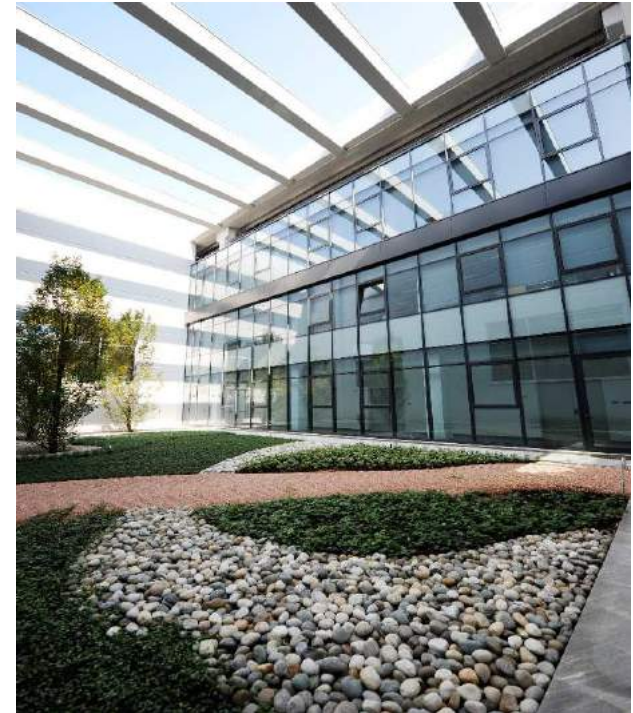
Resistance to Flamability

F1 No significant contribution to thermal energy;
No dangerous emission of toxic substances



Dry type transformers & inductors

Offices & Factory

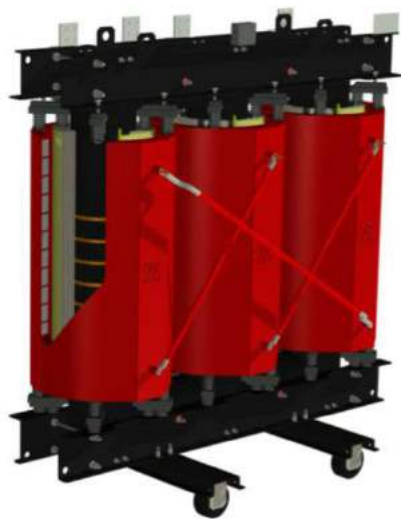


Modern Offices

- Presentation Facilities for 50 people
- Client Meetings/ Factory Tours

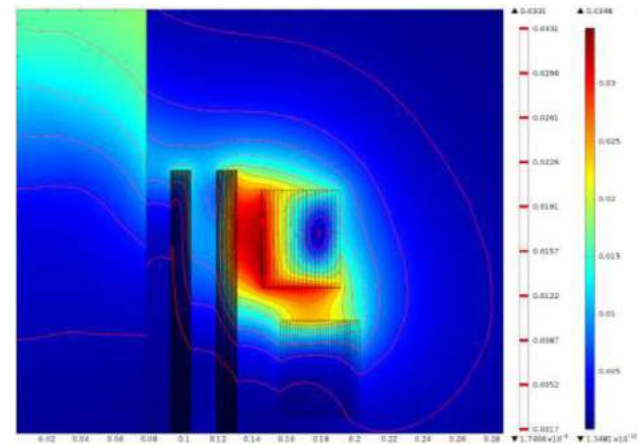
Dry type transformers & inductors

Engineering | Technical Expertise

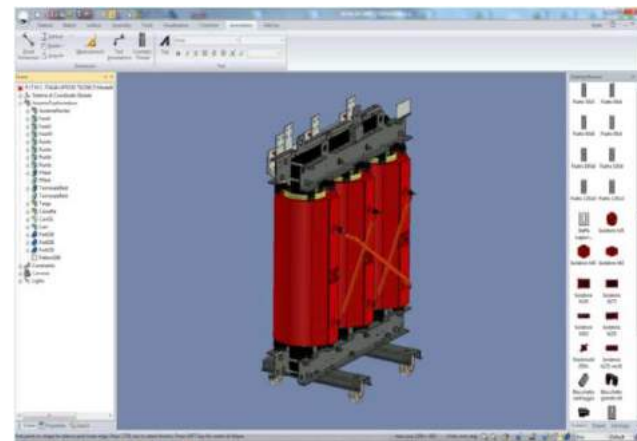


Product
Analysis

Finite Element
(FI) Tools



Solidworks
3D CAD



Dry type transformers & inductors



TMC Existing Markets **Distribution Applications**

- Hospitals
- Airports
- Shopping Centres
- Public Buildings
- Stadiums
- Data Centres



TMC New Markets **Special Applications**

- Rail & Underground
 - Marine
- Oil&Gas Production
 - Mining
- Wind and Solar Power
- Applications with Variable Speed Drives (VSD)
- Applications with Rectifiers

Dry type transformers & inductors

Off-shore

- Drilling Transformers
- Distribution Transformers
- Propulsion Transformers
- Starting Motors
- Inductors
- Cooling ANAF/ AFWF



Static, Mobile (FPSO) and Semi-Submersible Platforms

Dry type transformers & inductors

Marine

- MV & LV Distribution Transformers
- Propulsion Transformers
- Starting Motors
- Inductors
- Cooling ANAF/ AFWF



Marine Electrical Propulsion Systems

Dry type transformers & inductors

Infrastructure

- Distribution Transformers
- 'K' Factor (non-linear load) Transformers
- Traction Transformers
- Inductors
- Cooling ANAF/ AFWF



Dry type transformers & inductors

Power Plants

- Excitation Transformers
- Distribution Transformers



Dry type transformers & inductors

Renewable Energy

- LV&MV Iron Cored Inductors
- LV&MV Air Cored Inductors
- Water Cooled Inductors & Transformers



Dry type transformers & inductors

Power Electronics





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