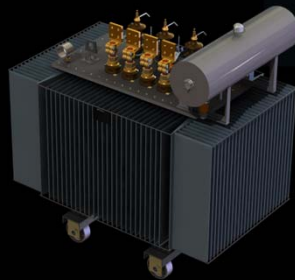
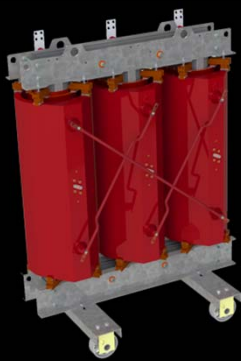




quality  
reliability  
flexibility



Tesar S.r.l.

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52010 Subbiano ( AR ) , Italy

Phone : +39 0575 3171  
Fax : +39 0575 317201  
E-mail : [info@tesar.eu](mailto:info@tesar.eu)

# The Company



# Tesar Factories



Chiavereto

Total Area  
*Mq 45000*

Covered  
*Mq 20000*

2018



Castelnuovo

## The Group



Web site : <http://the-rsgroup.com/>

## The Group

RAUSCHER  
STOECKLIN



Oil immersed distribution and special transformers for Swiss Market , 100-2500kVA up to class 36kV



High current connectors ( 230-1000V , 200 and 400 A )



Switches for railway electrification

## The Group



System transformers from 5 up to 120 MVA and voltage up to 145 kV



Rectifier transformers for railway traction power supply

## The Group



Disconnectors up to 420kV , 3150A



Earth Switches up to 420kV

## The Products

▲ Tesar design and manufacture cast resin transformers since 1979 , including rated powers up to 20 MVA, rated primary voltage up to 52 kV . The manufacturing range includes also the instrument transformers, upto 3000 Amp and 36 kV . Tesar manufacture also oil immersed transformers .



## Production

### STANDARD TRANSFORMERS



## Production

### CONVERTER TRANSFORMERS



12,5 MVA


## Production

### TRACTION CONVERTER TRANSFORMERS



3,3 MVA – 36 kV

## Production

Thanks to its continuous studies on all the properties of the casting resin  
 Tesar is able to supply transformers for installations with:



MINIMUM TEMPERATURE: MINUS 50 °C

Upto

MAXIMUM TEMPERATURE: PLUS 55°C



E3

C2

F1

## Production

And still, to supply transformers with HV and LV windings or in copper or  
in aluminium



## The Products

The transformers may be equipped with a lot of accessories, such as :

- Temperature controllers for alarm & tripping, with possibility to have the modbus contact
- Fans for power increase upto + 40%
- Thermocontroller for fan motor protections
- Current transformer, ring type for REF & SBEF



## The Products

Oil immersed transformer up to 10 MVA 36kV

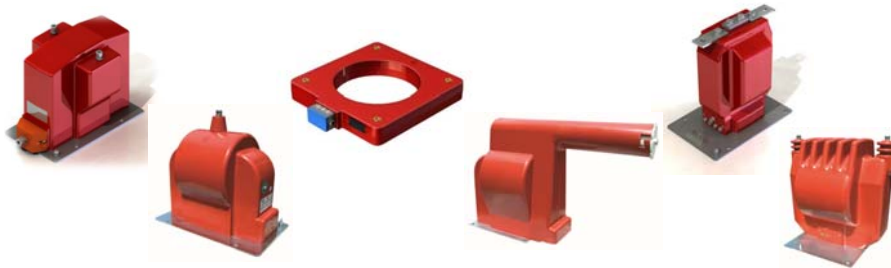





## The Products

 Tesar Instrument transformers The products is divided in:

- VOLTAGE TRANSFORMERS
- CURRENT TRANSFORMERS
- RING-TYPE CURRENT TRANSFORMERS



## Production

 Tesar has designed a complete range for this accessory that now seems to be one of the main component of the transformer itself :

- Housing to be supplied disassembled – to be assembled at site
- Housing erected on the transformers or self supporting
- Housing comple with HV & LV cable boxes located in the shortest side of the enclosure
- Or in the longest
- Housing with cable boxes as per British Standard ( principally supplied in Qatar)



Housing for outdoor installation, able to be installed also in tropical climate  
A particular care is given to the painting, being the place of our installation extremely polluted

# Certificates



# In the world : Poland

Tesar, from more than 10 years is operating in Poland through own office Tesar Polska, for the commercialization of cast resin transformers

In February 2013 the production of Cast Resin transformers started in the new plant of Niepolomice ( Krakow )



## In the world : Argentina





From 2000,  Tesar entered in Joint Venture with the company  Tadeo Czerweny S.A., Argentina. This Company is the Leader in his Country from more than 40 years, in the production of Oil Filled transformers, and, from this joint venture,  Tadeo Czerweny Tesar S.A.  was born. Now, this new Company, is totally self sufficient also for the casting process, realized thanks to  Tesar Italy know-how.




## In the world : Dubai



On September 2007,  Tesar opened its own office in Dubai, named TESAR FZE, underlining in this way the strong presence of  Tesar in all the Gulf Countries, due also to the strategic importance of this area.





In September 2012  Tesar started the production in the new plant in Al Ayn ( Abu Dhabi )

A W  R L D O F  
RELIABILITY

• Airports :

- Singapore
- Paris , France
- Dubai ,UAE
- Abu Dhabi,UAE
- Rome , Italy
- Milan , Italy
- Munich , Germany
- Istambul , Turkey
- Turkmenbasi , Turkmenistan
- Etc etc.....



• Tramways and Railways :

- United kingdom
- France
- Argentina
- Algeria
- Italy
- Spain
- Sweden
- Denmark
- Netherland
- Hong Kong
- Indonesia
- Turkey
- Etc etc.....



- Power Plants :

- Wind mill plants
- Solar plants
- Hydroelectric power plants
- Steam power plants
- Cogeneration power plants
- Gas turbine power plants
- Etc etc.....



- Utility companies:

- ENEL( Italy )
- EDP ( Portugal )
- DEWA ( Dubai – UAE )
- ADWEA ( Abu Dhabi – UAE )
- KAHARAMAA ( Qatar )
- MEW ( Kuwait )
- Etc etc.....



### Skyscrapers and buildings



### • Offshores :

- Congo
- Lybia
- Norway
- Venezuela
- Italy
- Nigeria
- Etc etc.....





Liaison Interne Satellite Aéroport – Internal Airport Station Satellite Link

Airport Charles de Gaulle, Paris

Tunnel of Frejus



Tunnel of St. Gotardo







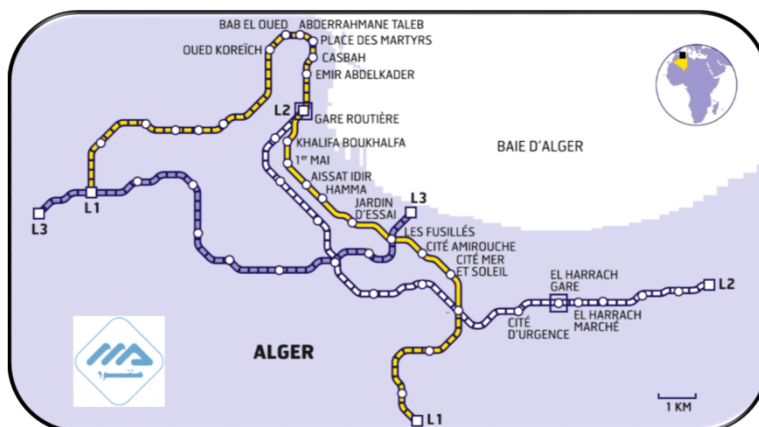
Karazdalovo solar power plant 60MW , Bulgaria



Belchatow power plant 5000 MW , Poland



Media Center for Sochi winter Olympic games



Metro Alger , 46 substations



CED ENI in Pavia , Italy

**Ferrari** factory in Maranello , Italy



factory in Melfi , Italy





Inside one of the biggest Muslim (the Grand Mosque of Abu Dhabi)



Canary Wharf , London



Vartan Harbor , Stockholm



Burj Khalifa , Dubai



Yas Island F1 circuit, Abu Dhabi



CERN, Switzerland





# THANK YOU