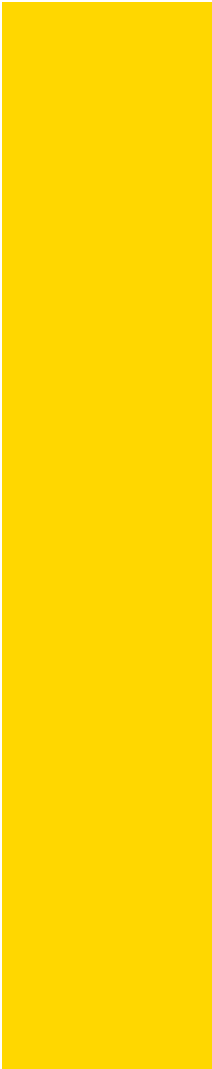


ime quadri



THE COMPANY

Imequadri Duestelle S.p.A is an historical Italian industry that has been engineering and producing electrical switchgears and equipment for industrial use for 60 years.

Its strength lies in the ability to **manage the complete production process**, which enables the company to offer a wide portfolio, including a full range of tailor-made products and services according to each project's necessities.

Each product has been engineered in the internal **R&D department**, and the **production** is completely made in-house starting from the carpentry and copper processing lines, equipment assembly department up to the testing division.







PRODUCTS

SWITCHGEARS - Medium voltage

NORMOCLAD

Up to 36 kV – up to 4000 A – up to 50 kA

Metal clad switchboards **LSC2B-PM IAC AFLR** class.

Compliant with CEI EN/IEC 62271-200 standard.

Seismic qualification according to IEEE 693-2005, IEC 60068-2-57 and IEC 62271-210 standards.



MINIBLOC 6 / 636

Up to 24 / 36 kV – up to 1250 A – up to 25 kA

Metal enclosed switchboards **LSC2A-PM IAC AFLR** class, with gas insulated switch and load break switch.

Compliant with CEI EN/IEC 62271-200 standard.

ENEL DY800 and DY803 approved version.



ROTOBLOC

Up to 36 kV – up to 1250 A – up to 25 kA

Metal enclosed switchboards **LSC2A-PI** class, with air insulated switch and load break switch.

Compliant with CEI EN/IEC 62271-200 standard.

ENEL DY400 approved version.



SWITCHGEARS - Low voltage

POLIMETA

Up to 1000 V ca e 1500 V cc

up to 5000 A - up to 100 kA

Power Center distribution boards.

Front-side accessible execution available upon request.

Certified internal arc proof **execution at 75 kA for 0,5" at 690V.**

Compliant with CEI EN/IEC 61439-1 and 61432-2 standards.

Seismic qualification according to IEEE 693-2005, IEC 60068-2-57 and IEC 62271-210 standards.



MULTICONTROL

Up to 1000 V ca - up to 3200 A - up to 75 kA

Motor control center switchboards made of modular fixed or withdrawable units.

Certified internal arc proof **execution at 75 kA for 0,5" at 690V.**

Compliant with CEI 61439-1 standard.

Seismic qualification according to IEEE 693-2005, IEC 60068-2-57 and IEC 62271-210 standards.





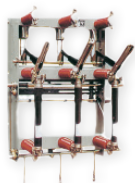
EQUIPMENT



SINTER – Compact multifunction equipment

24 kV – 630 A – up to 25 kA

Combined equipment made of a vacuum circuit breaker and a SF6 line disconnecter. Compliant with CEI EN/IEC 62271-100 and 200 standards. Designed for Minibloc 6 switchboards and ENEL DY800 approved version.

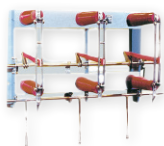


SCR / SGV – Hinged load break switch

Up to 36 kV – up to 630 A – 16 kA

Compliant with CEI EN/IEC 62271-102 and 103 standards.

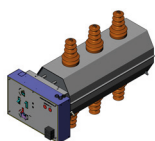
With or without fuses.



SDL – Hinged disconnecting switch

Up to 36 kV – up to 2500 A – 50 kA

Conforme alla norma CEI EN/IEC 62271-102.



RI6Q / RI6Q36 – SF6 insulated rotary load break switch

24 / 36 kV – up to 1250 A – 25 kA

Compliant with CEI EN/IEC 62271-102 and 103.

Designed for Minibloc 6 and Minibloc 636 switchboards.

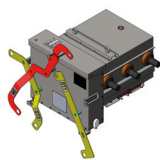


RI – Air insulated rotary load break switch

24 kV – 400 A – 16 kA

Compliant with CEI EN/IEC 62271-102 e 103.

Designed for Rotobloc switchboards and ENEL DY400 approved version.

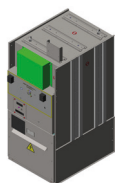


SF6 outdoor load break switch

24 kV – 630 A – 16 kA

Compliant with CEI EN/IEC 62271-102 and 103 standards.

ENEL DY806 and DY807 approved version.



SMARTBLOC – user measurement MV unit

24 kV – 630 A – 16 kA

Compliant with CEI EN 62271-200 and ENEL DY 808 approved version.



NORMODUCT

MEDIUM VOLTAGE: up to 24 kV – up to 4000 A – up to 50 kA

Three-pole execution bus ducts with bare or insulated busbars and IP54 protection degree.

LOW VOLTAGE: 660 V – up to 5000 A – up to 100 kA

Three-pole and four-pole execution bus ducts with bare or insulated busbars and IP54 protection degree.

PREFABRICATED SUBSTATIONS

Modular structures suitable for medium and low voltage switchboards, rectifiers, protection and control devices; appropriate to be transported and **ready-to-install** settlement.

These structures have been studied for specific requirements in the sphere of photovoltaic and/or wind plants, of both primary (ENEL DY 770-780) and secondary electrical substations, and of general distribution.



HOMOLOGATIONS

DY803 Minibloc-6

with RI6Q load break switch

DY400 Rotobloc

with RI rotary break switch

DY770 and DY780

primary cabins prefabricated substations

DY696

MV switchboards for compact primary cabins at 24 kW, air insulated with vacuum circuit breakers in vertical translation

DY800 Minibloc-6

with SINTER combined circuit breaker

DY808 Smartbloc

insulated, measure transformer, medium voltage switchboard for secondary cabins

DY515 and DY516

SCR load break switch

DY806 and DY807 RI6

insulated outdoor load break switch

DV7071, DV7072 and DV7074

Low voltage switchboards for auxiliary services in primary cabins and mobile panels in containers

QUALIFICATIONS



A2A S.p.A. / UNARETI

MV switchboards with internal arcing proof



ACEA S.p.A.

MV compartments – MV switchboard components



EDISON S.p.A. (EDF Group)

LV and MV switchboards – Mountings – Maintenance



GRUPPO ENEL

LV and MV switchboards – Load break switches – Mountings



GRUPPO ENI

LV and MV switchboards – MV switching devices – EPC downstream



SAIPEM

LV and MV switchboards – LV and MV prefabricated substations – Installations – Assistance to start-up and stop of plants



RETE FERROVIARIA ITALIANA

Electrical cabins and substations production



TERNA

LV switchboards for auxiliary services – Distribution and control systems for HV primary distribution stations – MV switchboards – Electrical and electromechanical mountings in operating HV plants



AZERBAIJIAN – SOCAR



AUSTRIA – ANDRITZ HYDRO



BARHAIN – GPIC (Gulf Petrochemical Industries Company)



EGYPT – AGIBA, ENPPI, PETROBEL



INDIA – ONGC (Oil and Natural Gas Corporation Limited)



KAZAKHSTAN – AGIP KCO, NCOC



LEBANON – EDL



NIGERIA – NNPC, SONCAP, SPDC (Shell Petroleum Development Company of Nigeria)



NORWAY – TECHNIPFMC



SWITZERLAND – SOLAR TURBINES



UAE – ADCO, ADGAS, ADWEA, AL HOSN GAS, ADNOC-FOD, BOROUGE, FERTIL, GASCO, NPCC, TAKREER, ZADCO, ADDC, TRANSCO, ADNOC-OFFSHORE

MARKETS AND CUSTOMERS



Energy - Utilities



■ A2A



■ Edison



■ Enel Group



■ Terna



Main Contractors



■ ABB



■ Siemens



■ Andritz Hydro



■ Ansaldo Energia



Oil & Gas



■ ADNOC



■ Borouge



■ Eni



■ SIAD



Industry



■ Lactalis



■ Thermo Fisher



■ STMicroelectronics



■ Tenaris Group



Infrastructures



■ Il Caravaggio
Orio al Serio Airport



■ Autostrade S.p.A.



■ METRO ROMA



■ RFI Rete Ferroviaria Italiana



CASE HISTORIES

HITACHI ENERGY

TERNA SYNCHRONOUS COMPENSATORS – ITALY

Supply of: **LV switchboards, POLIMETA and MULTICONTROL series**

Value: **> 2,5 ml. €**

Year: **2019–2022**

ANSALDO ENERGIA

CCPP – MARGHERA, PRESENZANO, TAVAZZANO, FUSINA

Supply of: **LV switchboards, MULTICONTROL series**

Value: **> 4 ml. €**

Year: **2019–2021**

THYSSENKRUPP

IWPP AL JUBAYL – SAUDI ARABIA

Supply of: **LV switchboards, POLIMETA series**

Value: **> 1 ml. €**

Year: **2018**

ABB

IWPP MIRFA – ABU DHABI

Supply of: **LV switchboards, POLIMETA and MULTICONTROL series**

Value: **> 4 ml. €**

Year: **2014**

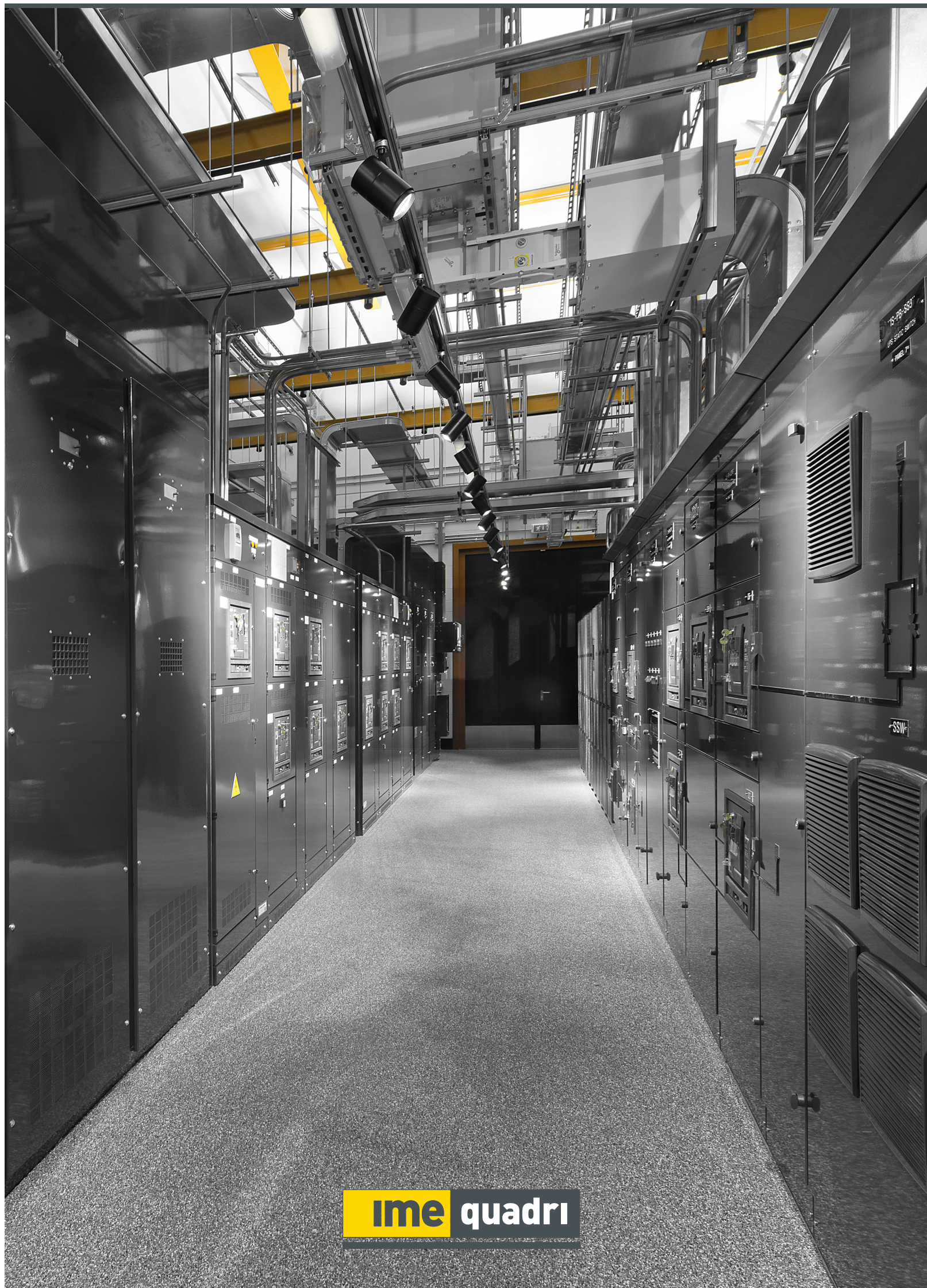
ENEL GLOBAL

PRIMARY CABINS – ITALY, ROMANIA, SPAIN, BRAZIL

Supply of: **primary cabins DY770/780 homologated**

Value: **> 40 ml. €**

Year: **2000–2022**



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