



Medium and Low Voltage Switchgears



- The company **headquarter** is located in the industrial area of **Pantigliate (MI)**
- It covers an area of **10000 m2** including:

4000 m2
workshop area

600 m2
offices area



STORY «Since 1963 Switchgears»

- Alfaquadri was founded in **1963** in Milano
- Since foundation its core business is design and manufacturing MV and LV Switchgears
- In 1981 moved to the new production facility in Pantigliate
- In 1995 **Quality Management System** was certified by DNV according to **ISO 9001 Standard**





PRODUCTS «What we do»

MV AIS METAL CLAD



LV POWER CENTER



LV MOTOR CONTROL CENTER



MV AIS METAL CLAD

- MV Metal Clad LSC2B is a switchgear designed for energy distribution with high level of current and short circuit.



- Nominal Voltage (U_n): up to 17,5 kV
- Nominal Current (I_n): up to 3600 A
- Short circuit current (I_{cw}): up to 40 kA per 3 sec.
- Internal Arc resistance: up to 40 kA per 1 sec.
- Annual production capacity 200 panels

LV POWER CENTER



- LV Power Center switchgear is designed for energy distribution with high level of current and short circuit. It can be used in industrial and civil applications



- Rated Voltage (U_n): up to 1000 V
- Rated Current (I_n): up to 5000 A
- Short circuit current (I_{cw}):
up to 100 kA per 1 sec.
- Internal arc resistance: up to 65 kA per 0,3 sec.
- Annual production capacity 500 panels

LV MOTOR CONTROL CENTER



- LV Motor Control Center switchgear is mainly used for protection and control of electrical motors in process plants

- Rated Voltage (U_n): up to 1000 V
- Rated Current (I_n): up to 2500 A
- Short circuit current (I_{cw}): up to 65 kA per 1 sec.
- Internal Arc fault resistance: up to 65 kA per 0,3 sec.
- Annual production capacity 600 panels



POWER SUBSTATION



Free-standing
Containerized MV/LV
Substation for
Outdoor installation





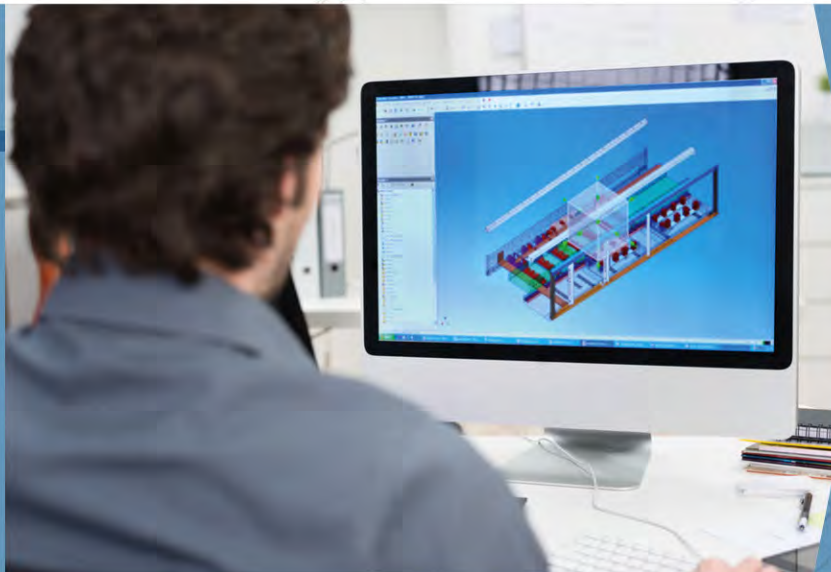
Worldwide Services «Customer care»

- AQ service Staff can operate worldwide in offshore as in onshore areas.
- Main Services provided are:
 - Pre engineering services
 - Assistance during installation, commissioning and start-up
 - Retrofit
 - Selectivity, short circuit and protection coordination studies
 - Protection relays setting
 - Maintenance
 - Training

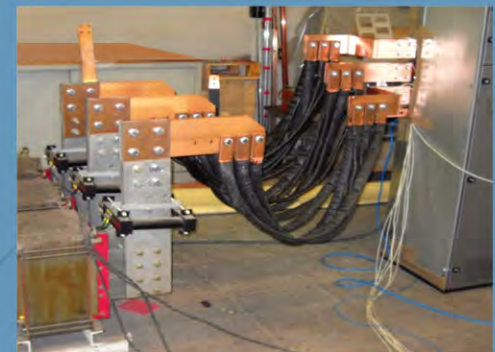
Research & Development «continuous improvement»



- AQ Engineering and Design staff develop its switchgears
- All projects are developed according to **International standard requirements**
- New technical solutions and materials are **validated by means** of type test performed by third party laboratories
- Tailor made solution are **designed and engineered** for all **Customer's needs**.



AQ TEMPERATURE rise test
transformer 5000 A 3 ph



Engineering & Design “Project birth”

- AQ electrical and mechanical engineers provide **customers’ best functional and reliable solutions**
- All projects are checked and **verified** by means of **dedicated softwares**
- The engineering and design phases are planned in order to prevent any delay in delivery time
- AQ provides all certifications and documentations required



Workshops «Our know how»



AQ ALFAQUADRI SPA

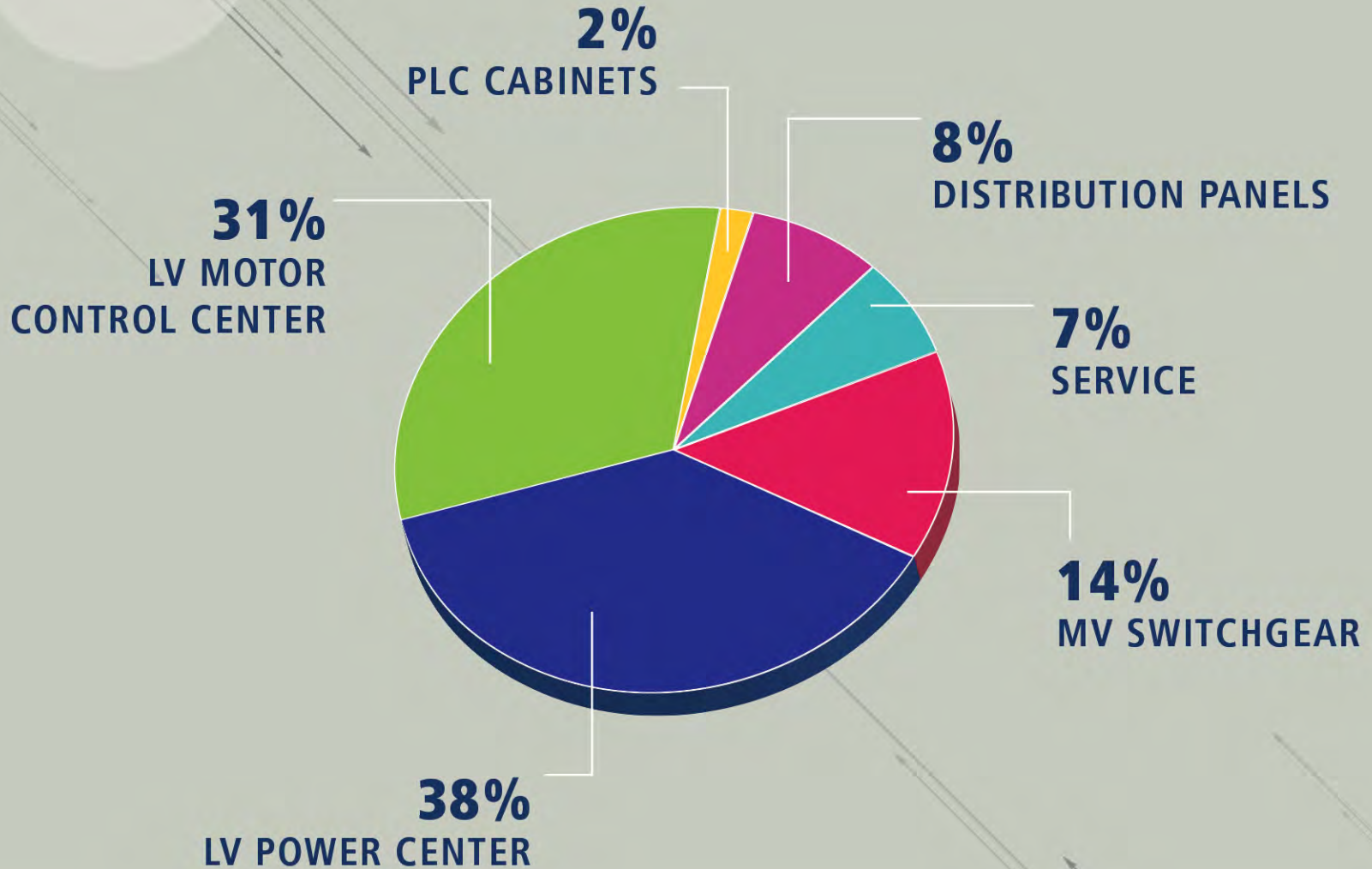


Testing «certified reliability»

- **100% of AQ products are tested before delivery**
- **All tests are performed according to IEC Standards**
- **According to AQ Control Quality Plan additional tests are performed to improve reliability**
- **All measuring instruments are calibrated and certified by third party Laboratories**
- **All tests performed are certified by AQ**

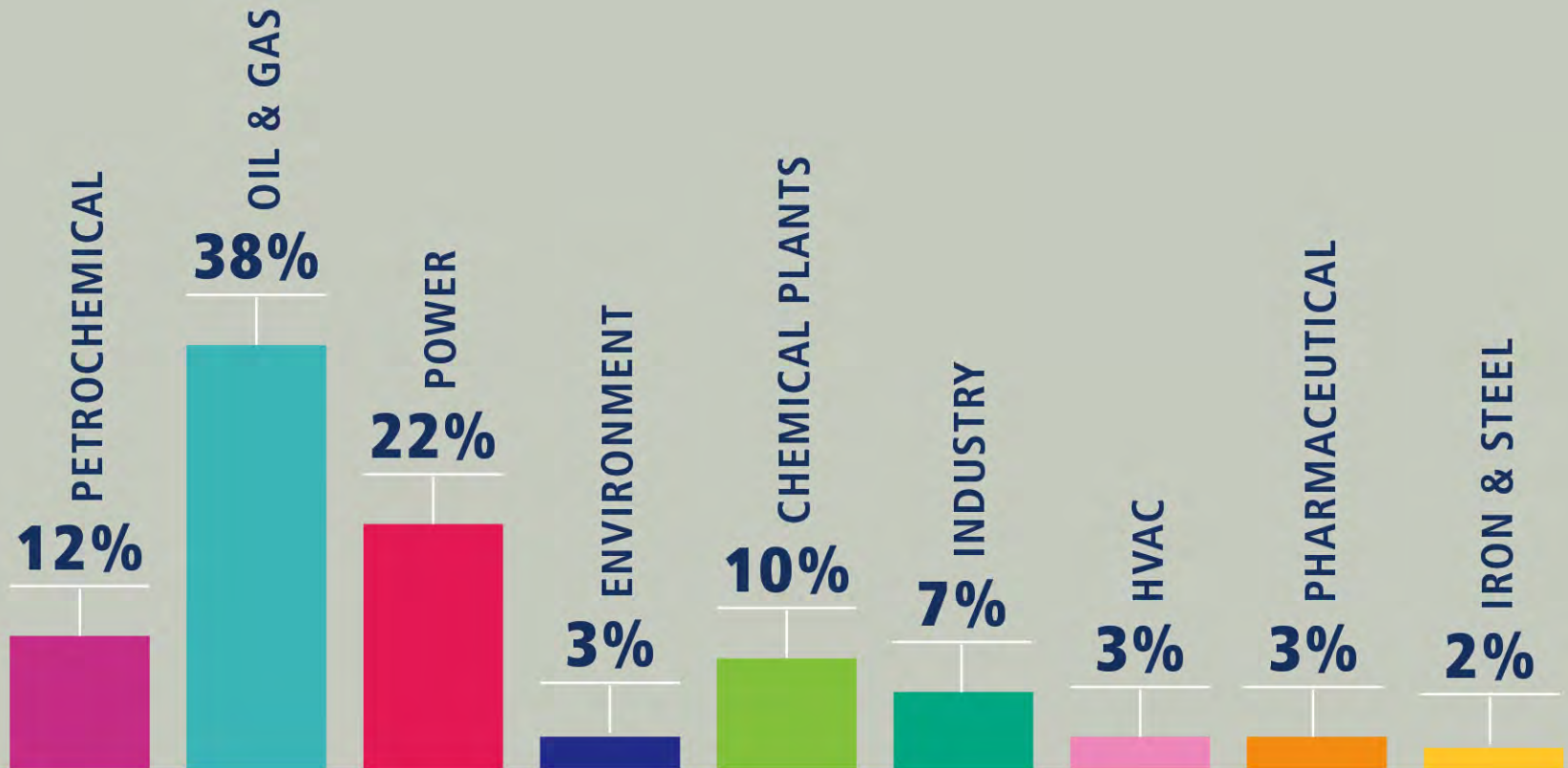


Product Market share





Market Sector share



Customer share

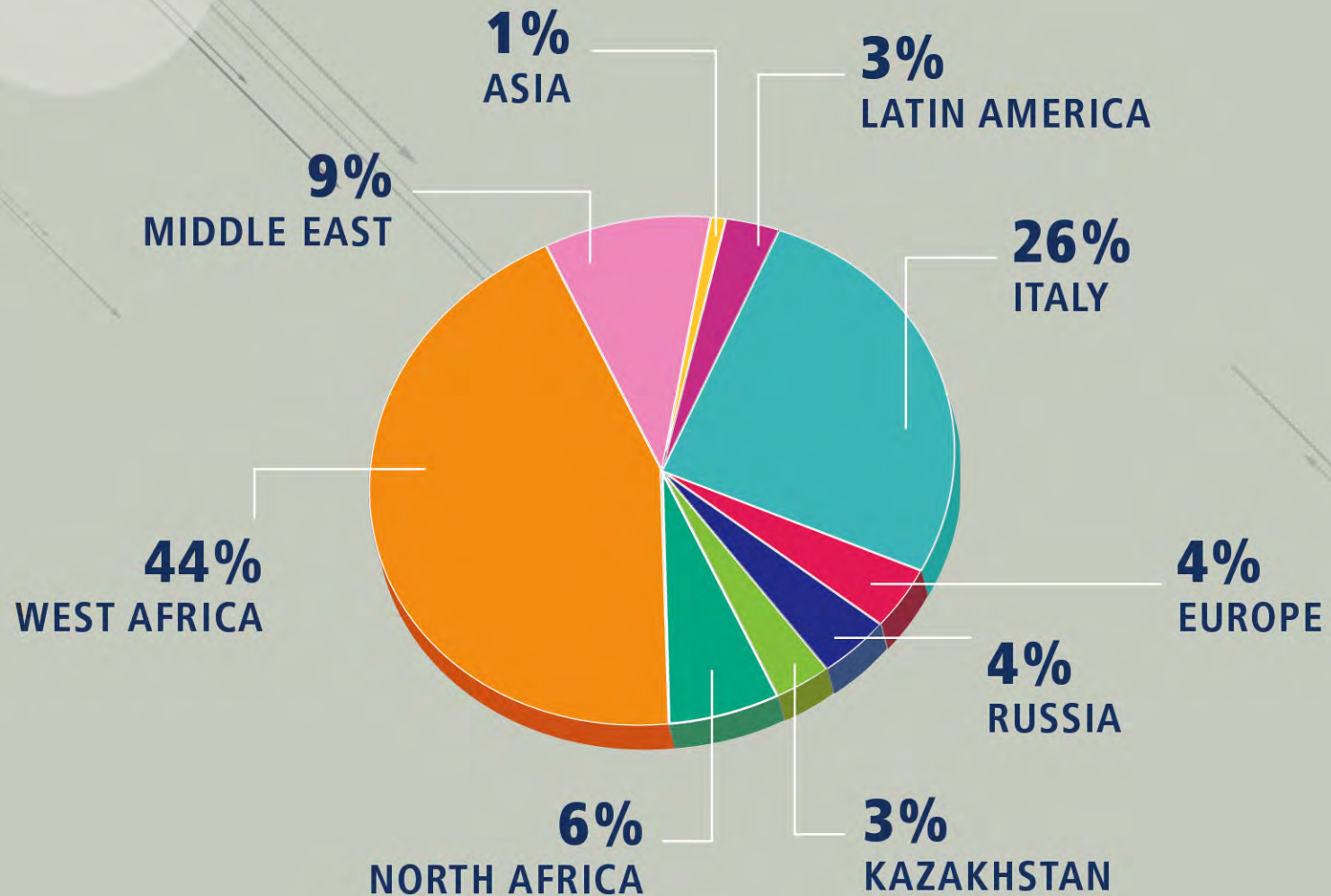


27%
END USERS

73%
EPC CONTRACTORS



Product world final destination



Alfaquadri «always & everywhere»



Main References





AQ ALFAQUADRI^{SPA}

Andrea Rottola

Via de Gasperi, 18
20090 Pantigliate - Milano - Italy

PH +39.02.90.62.68.1

FAX +39.02.90.62.68.45

Web: www.alfaquadri.it

E-mail: dircom@alfaquadri.it

