

RELIABLE
POWER



FOR A
SUSTAINABLE
WORLD



RIELLO ELETTRONICA AND RIELLO UPS

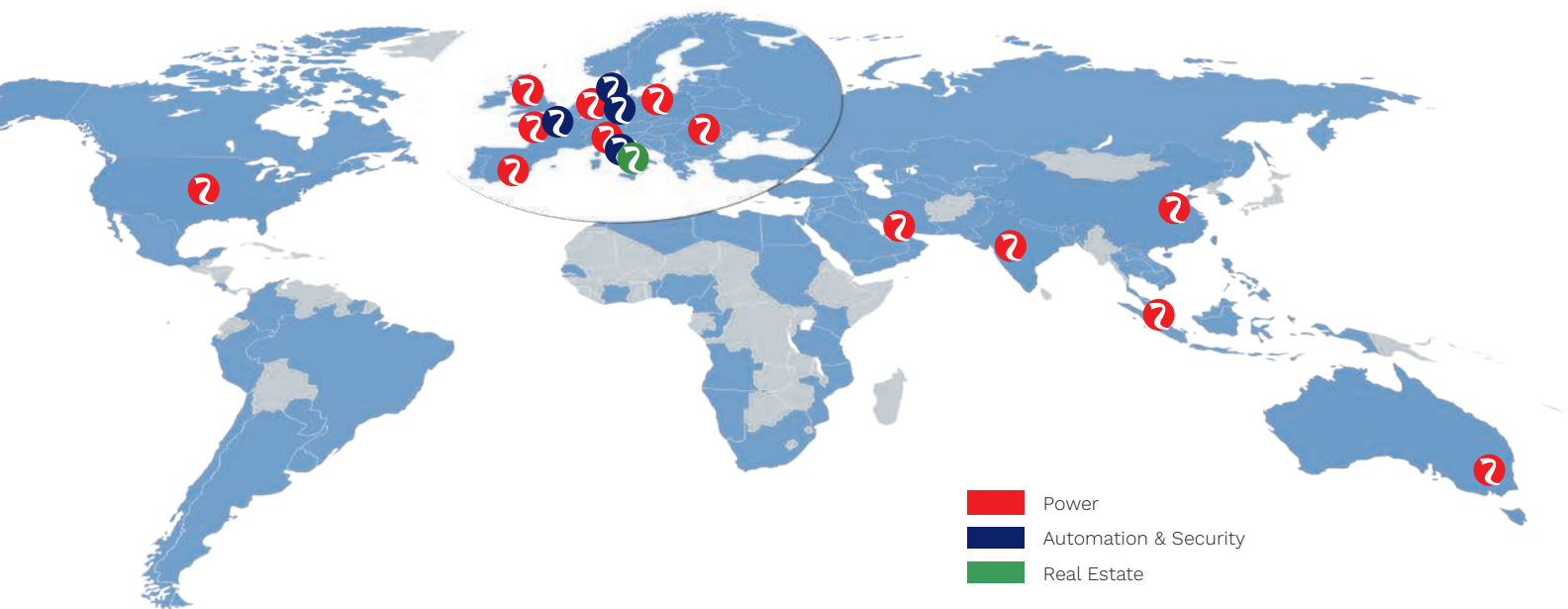
energy and innovation

Riello Elettronica, a Venetian company lead by Pierantonio Riello, has a presence today in the Electrical manufacturing industry with three divisions: **Energy, Automation and Security**. It is a leader in the Uninterruptible Power Supply market with the well-known brand Riello UPS.

Energy represents the Group's core business, in particular with the **manufacture of UPS** that are firstly able to guarantee the quality of electricity and secondly maintain normal operation and continuity in case of blackouts or anomalies in the energy supply.

Riello UPS designs and produces **strategical solutions for every kind of requirement** and make a bespoke offering according to the clients' needs: from banks to the hospitals, transport to infrastructures, from domestic use to data centres.

With **two excellent research centres** located in Legnago (Verona) and Cormano (Milano) dedicated to the development and testing of UPS, Riello UPS always looks to improve product performance by continuously innovating, so much so that today **Riello UPS has 32 lines of UPS products** for energy management based on a broad range of technological architectures.



300
MILLION €
TURNOVER

1150
EMPLOYEES

85
BUSINESS
COUNTRIES

30
COMPANIES

7
PRODUCTION
SITES



UPS, PHOTOVOLTAIC AND STORAGE

energy, always

Riello UPS, is a leader in the market with State-of-the-art technology solutions: which are Smart Grid Ready and totally compatible with Industry 4.0 projects.

In Legnago and Cormano factories, Riello UPS studies, plans and produces systems for electrical networks protection.

- › **23 UPS products** from 400 VA a to.400 kVA;
- › **7 Photovoltaic inverters** (PV) products from 1.5 to 800 kW;
- › **2 Energy Storage system** (EES) ranges from 10 to 800 kW;
- › **Energy Transfer Systems** (Power Switches);
- › **Central Supply Systems**, Supercapacitors and Lithium Batteries Solutions.


› MANUFACTURING CAPABILITIES:

2 Production plants in Italy

(Cormano and Legnago);

1 Production plant in India (Manesar);

- › **16 Worldwide owned subsidiaries;**
- › More than **300 distributors** in 5 continents;
- › Present in **85 countries;**
- › More than **1.150 employees** worldwide;
- › More than **600.000 UPS** sold in 2019.



RELIABLE POWER FOR A SUSTAINABLE WORLD

energy and sustainability in one hand

“Reliable power for a sustainable world” is the Riello UPS philosophy condensed into few simple words; a global brand constantly searching for the most innovative solutions that ensure a dual safety: a solid critical-load protection that also keeps the protection and sustainability of Planet Earth at the forefront of our minds.

Riello UPS manufactures efficient solutions that ensure power quality and business continuity. The company constantly implements new ideas and technologies to increase the efficiency of its products and reduce their power consumption and environmental impact.

To this end, the company also invests significantly in new technologies that harvest clean and renewable energy sources. Riello UPS's social commitment aims to help the present as well as shape a bright, sustainable future, combining the inevitable need for energy with environmental protection.

PRODUCTS AND SOLUTIONS

energy, when you need it

UNINTERRUPTIBLE POWER SUPPLY (UPS)

Riello UPS design, plan, manufacture and sell UPS. The product range includes single phase and three-phase UPS from 400 VA, perfect for home or office environments (for example for a single work place) to 6.4MW, suited for big industrial installations and data centres.

TRANSFER SYSTEMS (STS)

Energy transfer systems with intelligent commutation to guarantee continue and reliable power distribution.

STABILIZERS (AVR)

Tension stabilising single phase and three-phase with high quality standards, suitable for every type of load, particularly when there are strong harmonic distortions.

SUPERVISION SOFTWARE (SW)

Largest software range for UPS monitoring of all Riello UPS products, both locally and with remote connectivity. Combining high quality and reliability with a user-friendly interface ensures they are simple yet intuitive and highly personalised.

PHOTOVOLTAIC INVERTERS (FV)

A complete range of photovoltaic inverters to cover any need, from small domestic systems to solar power plants.

ELECTRIC ENERGY STORAGE (EES)

Innovative electrical energy storage systems for industrial applications. Riello UPS systems are compatible with any storage system, from lead batteries to lithium batteries.



UPS



STS



AVR



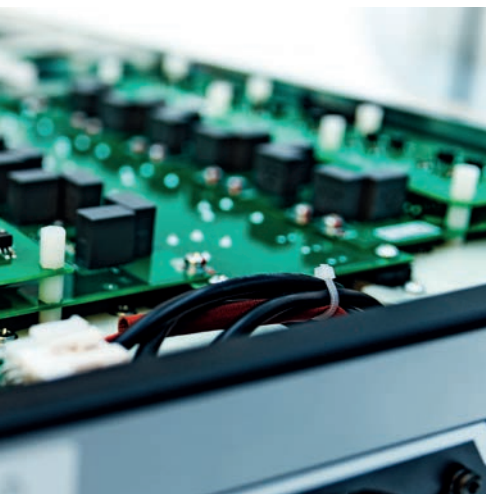
SW



FV



EES





PRE AND POST-SALE

when the service
makes the difference

TEC

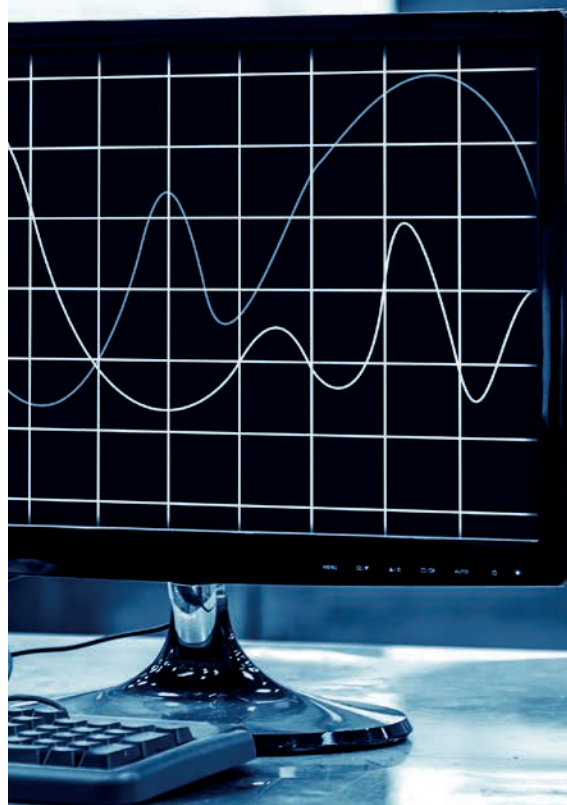
Riello UPS provides clients and designers, **TEC's (technical energy consultants)**. A team specialised in power continuity and who are able to offer 360 degrees support. From the original consultation, our Technical Energy Consultants provide first class support in all aspects of planning, providing a solution you require.

UPSERVICE

Riello UPS created a structure of specialists, that are able to offer assistance from **installation, start up and maintenance** (for the products post warranty too) **through to trouble shooting, replacement, training** and upgrade courses for personnel at the client's factories.

RIELLO CONNECT

For the customers, there is also the possibility to enjoy Riello Connect teleservice. A remote supervision for your UPS carried out via a data connection. **24/7 monitoring** ensures that any anomalies which occur can be solved in a very short time.



APPLICATION AREAS >



AREA DATA CENTRE



AREA INFRASTRUCTURES



AREA INDUSTRY

A Data Centre is an incredibly valuable part of the business and one where Riello UPS solutions guarantee **premium performances in energy saving**, taking in to consideration international standards and of course optimising space thanks to their extremely contained dimensions.

In the infrastructures and transports world standards can change significantly from one application to another and an efficient UPS must be **highly flexible** in order to adapt to the power sources and to the communication protocols for remote control. Riello UPS provides tailor-made solutions, equipped for a **high resistance to ever changing demands** and strains and suited perfectly to the most critical environmental conditions all the time ensuring compliance with the most cogent current legislations.

A black-out can cause considerable damage, both economic and human. Riello UPS solutions have been used for years in the industrial field thanks to their **reliability in every critical environmental situation** (i.e. temperature, humidity and vibrations) and due to their **adherence with mechanical standards of security** (i.e. protection levels IP, structural rigidity), in addition to their **extreme adaptability** to different power sources.

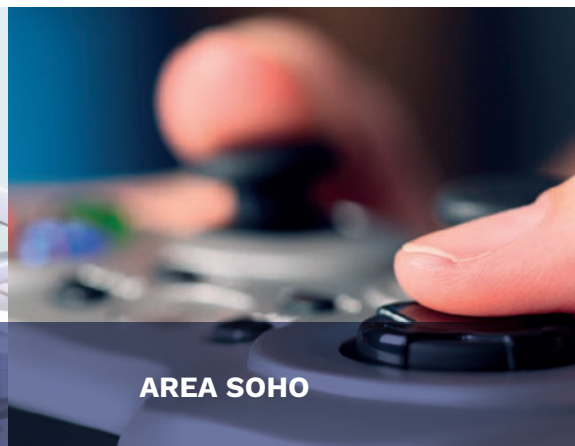
AN ANSWER FOR EVERY ENVIRONMENT



AREA EMERGENCY



AREA E-MEDICAL



AREA SOHO

In structures and public buildings there are rules and regulations relating to the operative continuity of fire prevention systems, emergency lighting, alarm units and all the instruments dedicated to user security in critical situations. Riello UPS are in **compliance with the EN50171** (CPSS), guaranteeing the **correct level of autonomy** and equipped with an **advanced diagnostics system**, created by a strong experience in this specific area.

Advances in technology have meant that hospitals have increasingly complex technological needs and security standards are extremely high. Riello UPS solutions **takes in to consideration the legislations and respects the patients' protection**, with maximum customisation and compatibility with all the architecture levels. The advanced supervision and control systems guarantee a total flexibility relative to all protocols present in the healthcare structure.

Freelance, small factories, SoHo (Small Office, Home Office) are ideally suited for consumers interested in **energy saving, noise reduction and take up a minimal amount of space**. Riello UPS devices, perfect for small offices, are able to protect the user from disturbances, blackouts or data loss, both in case of entertainment devices or information systems.



CASE HISTORY

our customers,
the best quality guaranteed

Here are some examples of Riello UPS's technology and solutions being used today.

HIGH EFFICIENCY AND RELIABILITY SOLUTIONS AND SERVICES SUPPLIED BY RIELLO UPS FOR BANCA D'ITALIA

Supply of modular UPS and stand-alone, high-power UPS solutions and support services to protect all critical applications of the Central Bank of Italy.

RIELLO UPS HIGH EFFICIENCY TECHNOLOGY PROTECTS THE ENI GREEN DATA CENTRE

With certified efficiency of more than 99.4%, Riello UPS products significantly reduce the data centre's CO₂ emissions and management costs.

RIELLO UPS AND FINCANTIERI, CRUISE CONTINUITY

Fincantieri chooses Riello UPS solutions in order to assure energy continuity and quality on big cruise ships.

RIELLO UPS IS IN THE FIRST LINE FOR ELECTRICAL MOBILITY DEVELOPMENT

Riello UPS is involved in many projects related directly or indirectly to electric mobility, such as hybrid energy storage stations enabling fast-charging of StreetScooter's, electric mail distribution vehicles or storage stations that use second-life lithium batteries from some of the major European car manufacturers.

LOOKING TO THE FUTURE

Riello UPS intelligent energy

TECHNOLOGY AND SOLUTIONS FOR INCREASING EFFICIENCY

Among the most difficult UPS challenges, reducing energy costs without compromising the devices' efficiency is at the forefront. The **Eco Energy Level System**, promoted by the European code of conduct, classify UPS in 6 levels of efficiency: Riello UPS has implemented it first on all its lines, demonstrating how convenience is not only an economic aspect, but an environmental one too. Compared to standard UPS, Riello solutions are more efficient, with energy saving that allows a fast return on investment and a significant **reduction in carbon dioxide emissions' therefore helping the atmosphere.**

INNOVATION, TOWARDS A NEW ELECTRICITY CONCEPT

Riello UPS commitment is to put together performance and environmental attention continuously with the introduction of **Smart Grid solutions**, a new concept of electricity

grid, that integrate and manage in an efficient way behaviour and actions of all the connected users (like generators and sampling point). An innovation that, in addition to guaranteeing an efficient economical operation of the electrical system, it also allows the UPS to become Virtual power plants and **to be combined with renewable energy sources.**





Official
Sponsor

RIELLO UPS AND DUCATI

10 years together for performances

Main Sponsor



Two Italian stories, two technological champions, two examples of excellence that work together every day to achieve new goals. Riello UPS is the official sponsor of the **Ducati Corse MotoGP** team and has been for many years. From 2019, Riello UPS is also sponsor of **Aruba.it Racing - Ducati** (SBK). A synergy of values and real collaboration, Riello UPS provide the racing teams with the latest UPS that are used to protect telemetry, control and communication devices both in races and during testing. These are technological partnerships at the very highest level that confirm the excellence of Riello UPS systems.



RIELLO UPS RACES INTO THE FUTURE WITH FORMULA E AND AUDI MOTOR SPORT

ELECTRICITY, FUTURE-ORIENTED TECHNOLOGY, INNOVATION, SMART ENERGY MANAGEMENT AND ABOVE ALL “GREEN” ARE THE KEY DRIVERS BEHIND THE ONGOING COMMITMENT OF RIELLO UPS AND AUDI TO FORMULA E.

Riello UPS is the official partner to the Audi Sport Abt Schaeffler Formula E team in the ABB FIA Formula E championship.

Formula E embodies Riello UPS's philosophy: green technology to reduce pollution and at the same time as delivering improved performance, proving how electric single-seaters can offer superior performance.

Electric cars are the future of mobility and Riello UPS, with its Smart Grid-ready products and solutions, represents the future of energy quality; it is for this reason that Riello UPS has chosen to play a leading role in this competition.

 **Audi Sport**
Official Partner





WE PROVIDE RELIABLE ENERGY

Army & Defence

German Army, Berlin (Germany)
Air Base Ramstein (Germany)
NATO (Germany)
Guardia di Finanza, HQ Rome (Italy)
Ministry of Defence (Italy)
NATO headquarters Italy (Italy)
Royal Air Force (United Kingdom)
Greek Air Force (Greece)
Royal Saudi Air Force (Kingdom Saudi Arabia)
Ministero de Defesa (Spain)

Energy

Iwb Basel (Switzerland)
EON (Germany)
Enel (Italy)
Snam Pemex Milano (Italy)
Sorgenia (Italy)
Hep NDC (Croatia)
Statoil (Poland)
Eskom (South Africa)

Banks & Insurance

Federal Banks (Austria)
Deutsche Bank (Germany)
Allianz Versicherung München (Germany)
Sparkasse Hagen (Germany)
Inail (Italy)
Banca d'Italia (Italy)
Zurich Banks & Insurances (UK)
Ing Direct, Cardiff (UK)
OTP Bank (Ukraine)
Libertbank (Spain)
Torre Allianz Milano (Italy)

Telecommunication & I.T

IBM Johannesburg (South Africa)
Parasoft (Argentina)
SK Telecom (Corea)
Bayerische Rundfunk (Germany)
Siemens (Italy)
Poste Italiane (Italy)
Ericsson Italy (Italy)
Tecnopolis Csata (Italy)
Tim Telecom Italia (Italy)
Cellnex (Spain)
Samsung India Electronics (India)
Siemens (India)
Zain Telecom (United Arab Emirates)
Alcatel Lucet Romania (Romania)

Healthcare

E-Hwa University Hospital, Seoul (Corea)
Universitätsklinikum Aachen (Germany)
Max Plank Institut (Germany)
G. Maranon Hospital, Madrid (Spain)
P.R.B.B. (Spain)
Hospital Ferrara (Italy)
Hospital Le Molinette, Torino (Italy)
Military Hospital Celio, Roma (Italy)
Philips, Cleveland (USA)
Medical Cities (Saudi Arabia)

Retail & Hotel

Carrefour, various locations (France)
Adidas (Germany)
Shopping Center "Lunghezza", Roma (Italy)
Upim (Italy)
Business Center (Poland)



THROUGHOUT THE WORLD.

Intermarché (Portugal)
Royal International (U.A.E.)
Four Season Hotel (Kuwait)

Industry

Thomson Press Ltd (India)
Hotline Glass Limited (India)
Philips London (United Kingdom)
Audi (Germany)
Benetton Treviso (Italy)
Pirelli, Milano (Italy)
Ilva SpA (Italy)
La Doria SpA (Italy)
Electrolux (Spain)
Yell Spain (Spain)
San An, Xiamen (China)
Delhaize (Belgium)

Sport & Leisure

Birth House of Mozart (Austria)
Olympic Games Press Center (Greece)
Olimpic Committee Winter Games 2006 (Italy)
Leisure Park Oltremare (Italy)
FC Slavia, Praha (Czech Republic)
Olympic Basketball, Volleyball and Fencing Facilities (Greece)
Olimpic Games, Barcelona (Spain)

Government & Education

University of Creta (Greece)
Austrian Government (Austria)
University of Torino (Italy)
Ministry of the Interior (Italy)
National Institute of Nuclear

Physics (INFN), Napoli (Italy)
Presidential Palace, St. Petersburg (Russia)
Universidad Juan Carlos I (Spain)

Transportation

Airport München (Germany)
Johannesbrough Int. Airport (South Africa)
Alenia Aeronautica SpA (Italy)
AENA, Madrid and Malaga (Spain)
Dubai Airport (U.A.E.)
ADIF, High Speed Train AVE (Spain)
Ansaldo Signal - Palermo (Italy)
Subways Bucarest (Romania)
Metro, Antwerpen (Belgium)
RATP (France)
Baiyun Airport (China)

Shipboards/Shipyards

French Navy, Toulon (France)
Fincantieri Shipyards (Italy)

Data Centre

Eni - Green Datacentre (Italy)
Telecom (Italy)
CSF CX2 (Malaysia)
China Mobile (China)
Unilever (United Kingdom)
Tesco (United Kingdom)
Singtel (Singapore)
1Net (Singapore)
Towngas (China)



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