

STATRON
NON STOP POWER



Innovation & Quality

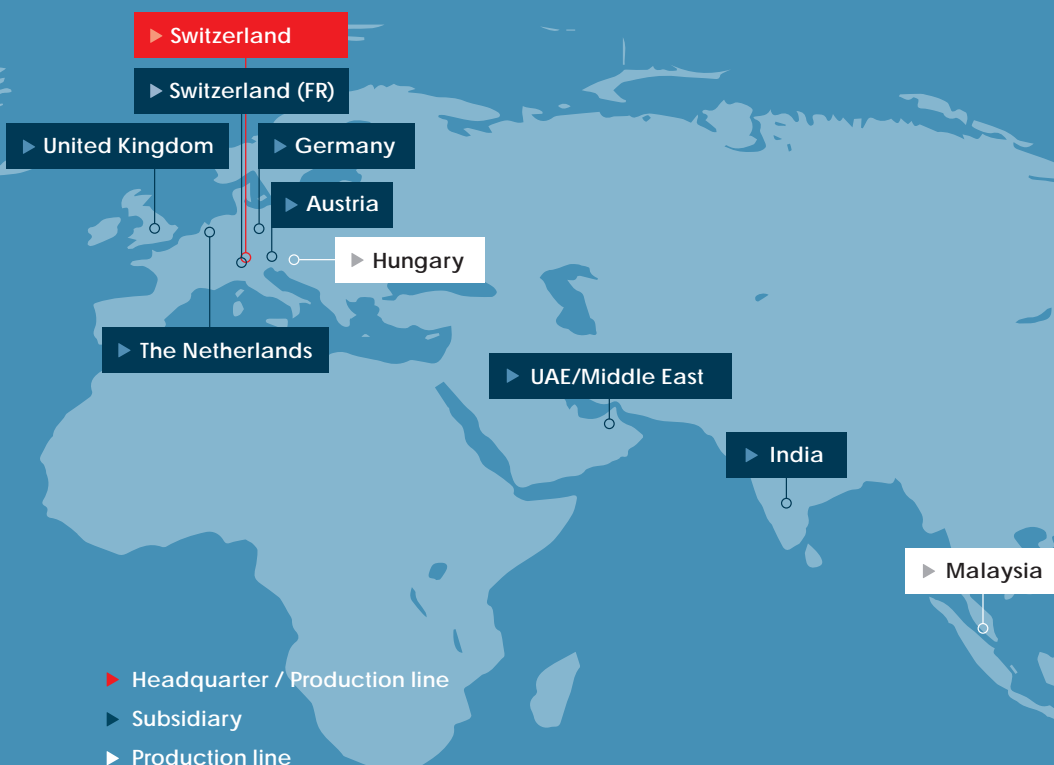
Your Partner for UPS Solutions and Battery Systems



Welcome at Statron

Tradition & Innovation

Since more than 45 years, Statron is THE partner for uninterruptable power supply (UPS) solutions and battery systems. More than 30,000 UPS and battery systems have been successfully delivered, installed and are in operation at more than 3,000 clients in more than 100 countries. This success is based on traditional Swiss values that focus on technical excellence and quality in all areas of operation. We welcome you to be part of it.



Your reliable UPS Solution

Based on the needs of our clients, we supply solutions around the following product groups:

- Industrial rectifiers, 1~ and 3~
- Industrial inverters, 1~ and 3~
- Industrial UPS, 1~ and 3~
- Semi-industrial UPS, 1~ and 3~
- Bypass cabinets
- Any additional systems and cabinets to the above
- Battery systems
- Ground support equipment for aircrafts
- Services to the above
- Battery systems for high energy storage



Market Segments

We offer a wide range of products and solutions for UPS and battery systems. "Do the right things right", is what drives us. That's why we focus on the following market segments:



Power
Generation



Transmission
& Distribution



Oil & Gas



Industry



Infrastructure



Railway



Telecom



Aviation

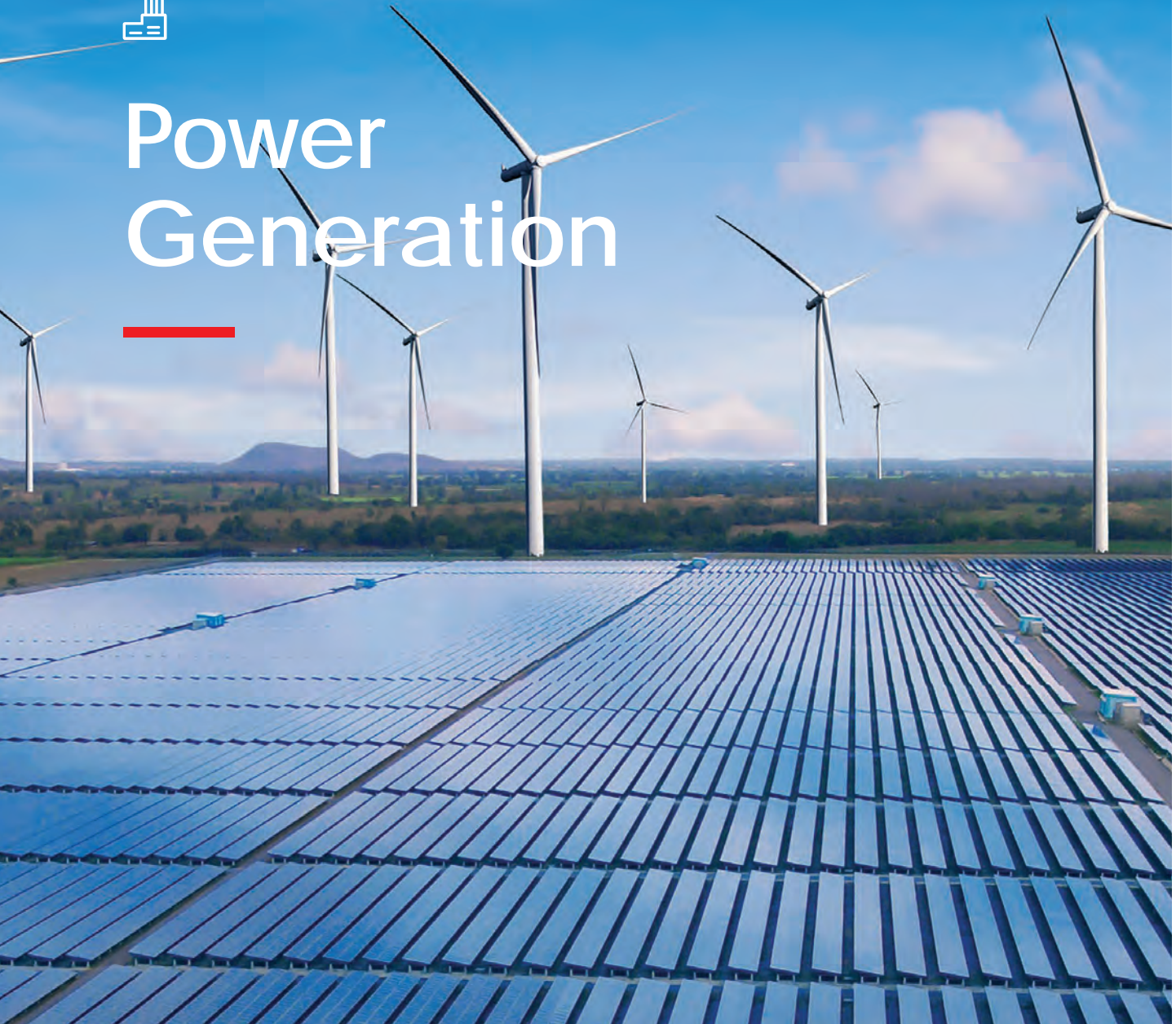
Global & Local

One reason for the 45 years of success is the focus on our customers. To serve our clients best, we have decided to establish a strong subsidiary network. With subsidiaries in Malaysia, India, UAE, Hungary, Austria, Germany and The Netherlands as well as in the Swiss Romandy, we are strong and close to our clients.

Beside our own subsidiaries, we cherish an active network of partners. So, wherever you are, we are close.



Power Generation



From large gas-fired power stations to smaller river hydropower plants, from large pump storage power stations to waste incineration plants, from coal-fired power stations to modern solar parks. Statron's UPS are the choice to back-up your systems in the segments of power generation.

Application Highlights of our UPS

- Coal-fired power stations, such as Kusile in South Africa, Matarbari in Bangladesh, Mount Piper in Australia or Melaka in Malaysia
- Pump storage power stations, such as Nant de Drance, Linth-Limmern, Grimselstauwerke or Verzasca power stations in Switzerland
- Oil- and gas-fired power stations, such as Sabiya in Kuwait, Sharjah in the UAE, Al Mansuriya in Iraq, Samra 3 in Jordan or Tihama in Saudi Arabia
- Solar plants, such as in the UAE, Hungary or in Qatar
- River hydropower plants, such as in the canton of Aargau, Switzerland
- Desalination plants, such as in UAE or in Qatar

Selected References



Large coal-fired power plants



Large gas-fired power plants (Jebel Ali, UAE)



Pump storage power plants (Grimsel, Switzerland)



Waste incineration plants



River hydropower plants

Products

DC charger

- BDTe (3)
- BDS
- BCSe
- SMT DC modules (4)

AC inverter

- IDSe (2)
- IDTe
- SMT AC modules (4)

AC UPS

- S2000e (5)
- S3000 (1)
- SMT UPS (4)

Additional equipment

- Bypass equipment
- Fuse boxes
- Distribution equipment
- Customised equipment of any type

Batteries

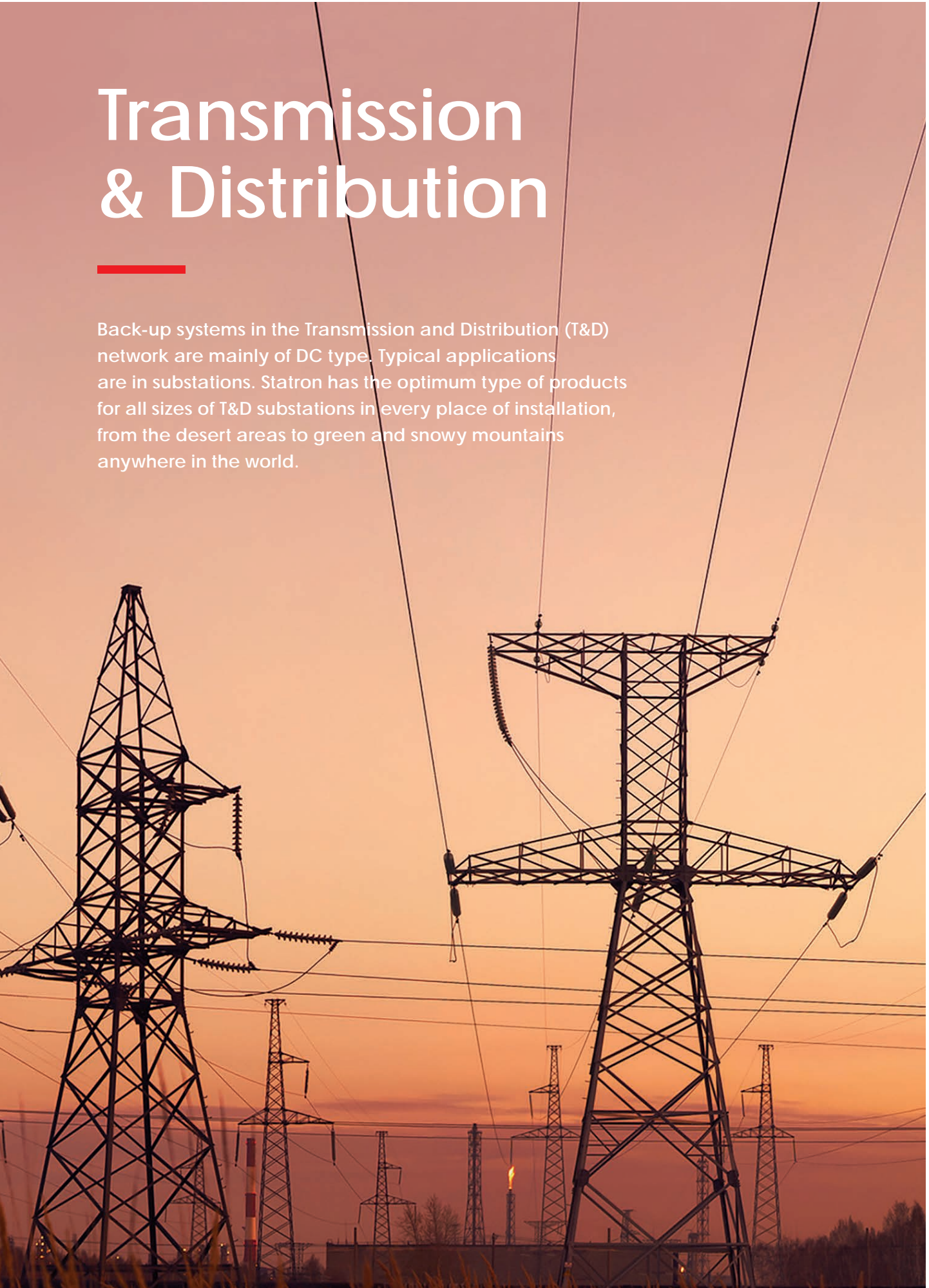
- NiCd
- Lead acid





Transmission & Distribution

Back-up systems in the Transmission and Distribution (T&D) network are mainly of DC type. Typical applications are in substations. Statron has the optimum type of products for all sizes of T&D substations in every place of installation, from the desert areas to green and snowy mountains anywhere in the world.



Selected References



Country utilities (Qatar)



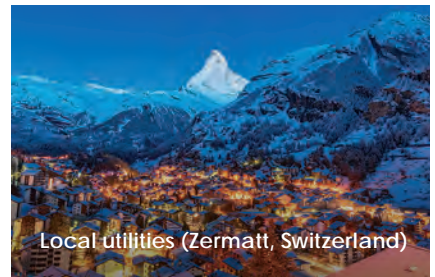
Public utilities (Kuwait City)



Central utilities (Abu Dhabi, UAE)

Application Highlights of our UPS

- Substations in Austria, such as for Austrian Power Grid, Wiener Netze, Netz Niederösterreich, Netz Burgenland and many others
- Substations in Switzerland, such as for KWO, Swissgrid, Axpo, EWZ, EKZ and many others
- Substations in Germany
- Substations in the Middle East, such as for DEWA, FEWA, ADWEA, KAHRAMAA or MEW
- Substations constructed by our global partners, such as ABB, Siemens, L&T and many others
- Substations in Malaysia, such as for Tenaga Nasional Berhad (TNB), Sarawak Energy Berhad (SEB), Sabah Electricity Sdn Berhad (SESB)
- Substation in Hungary, such as for E.ON, EDF, RWE or MAVIR



Local utilities (Zermatt, Switzerland)



City utilities (Budapest, Hungary)

Products

DC charger

- BDTe (2)
- BDS
- BCSe (4)
- SMT DC modules (3)

AC inverter

- IDSe
- IDTe
- SMT AC modules (3)

AC UPS

- S2000e
- S3000
- SMT UPS (3)
- S1300 (1)

Additional equipment

- Bypass equipment
- Fuse boxes
- Distribution equipment
- Customised equipment of any type

Batteries

- NiCd
- Lead acid





Oil & Gas



One of the most challenging applications when it comes to quality and reliability is the Oil & Gas sector. Statron's UPS are used globally on **offshore oil platforms, in refineries, in pump stations** and in many more applications at the Oil & Gas sector.

Application Highlights of our UPS

- On offshore oil platforms, such as Draugen in the North Sea or WHP-3 in Qatar
- In refineries or O&G plants in Europe, such as Shell in The Netherlands or in Germany, OMV in Austria, Transitgas in Switzerland
- In refineries or O&G plants throughout the Middle East, such as Basrah Gas Company in Iraq, ADNOC in UAE, Saudi Aramco, KSA, Qatar Petroleum in Qatar or KNPC in Kuwait
- In refineries or O&G plants in the AP region, such as Woodside in Australia, Thaioil in Thailand, Petronas in Malaysia, Shell in Singapore, IRPC in Thailand and many others throughout the region

Selected References



Oil storages (Port of Rotterdam, The Netherlands)



Offshore oil platforms (Shell Draugen, North Sea)



Petronas, Malaysia



Refineries (Aramco, KSA)



Pump stations (Transitgas, Switzerland)



Products

DC charger

- BDTe (2)
- BDS
- SMT DC modules

AC inverter

- IDSe
- IDTe
- SMT AC modules

AC UPS

- S2000e (3)
- S3000 (1)
- SMT UPS

Additional equipment

- Bypass equipment
- Fuse boxes
- Distribution equipment
- Customised equipment of any type

Batteries

- NiCd
- Lead acid



Industry

One of the fastest-growing sectors for UPS solutions are industry applications. Industrial processes are getting more and more complex and a power outage is not tolerable or is very costly. Statron has a wide range of products for back-up systems in industry applications. From high ratings to compact systems, from static systems to various modular systems, Statron has the product to back-up any industrial application.



Selected References



Scientific sites (CERN, Geneve)



Industrial plants (Dubai, UAE or Qatar Aluminium, Qatar)



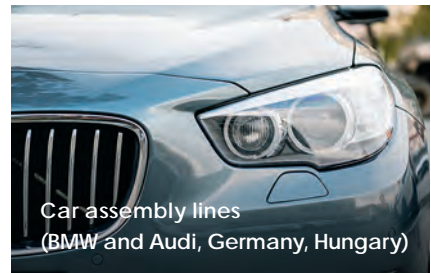
Special applications: Wind tunnel Alfa Romeo Formula 1 Team (Switzerland)

Application Highlights of our UPS

- Mechanical production plants or car assembly lines, such as Rolex in Switzerland, BMW or Audi in Germany or Hungary
- Pharmaceutical production plants, such as Novartis, or Hoffmann-La Roche in Switzerland
- Food production lines, such as Zweifel crisp factory in Switzerland
- Logistic applications, such as Würth or the Freeport in Switzerland
- Other critical applications, such as the wind tunnel of the Alfa Romeo Formula 1 Team in Switzerland
- Shops, such as Denner or Migros in Switzerland
- Heavy industry sites, such as Dubai Aluminium (Dubai) in the UAE, RPCM in Malaysia or Siam Cement Group in Thailand, Qatar Steel, Qatar Aluminium or Q-Chem in Qatar



Manufacturing sites (Rolex, Switzerland)



Car assembly lines (BMW and Audi, Germany, Hungary)



Products

DC charger

- BDTe
- BDS
- BCSe
- SMT DC modules (2)

AC inverter

- IDSe
- IDTe
- SMT AC modules (2)

AC UPS

- S2000e
- SMT UPS
- S1300 (1)
- S5300
- S7300
- S6300e (3)
- Eaton
- S9300 (4)

Additional equipment

- Bypass equipment
- Fuse boxes
- Distribution equipment
- Customised equipment of any type

Batteries

- NiCd
- Lead acid



Infrastructure



UPS applications in infrastructure projects have become more and more important in the recent years. From complex tunnel or airport projects to simple back-up systems in parking lots, Statron has the right experience and products for the relevant infrastructure application. As a special service, we provide Emergency Light Systems for hospitals or public buildings in Austria.

Application Highlights of our UPS

- Road applications, such as ASFINAG in Austria or Astra in Switzerland
- Emergency Light Systems, such as for the Steiermärkische Krankenanstalten or other various hospitals in Austria
- Tunnel projects, such as Nordumfahrung in Zurich, Switzerland or various in Austria
- Special development zones, such as The Palm, Burj Khalifa or Dubai Metro in the UAE
- Airports, such as in Oman in Dubai or in Qatar
- Parking lots, such as for various clients in Switzerland
- Hospitals in Austria or Switzerland
- Museums, such as Found. Beyeler in Switzerland
- Stadiums, such as Al Janoub & Khalifa in Qatar
- Water mega reservoir projects in Qatar

Selected References



Large buildings
(Burj Khalifa, Dubai, UAE)



Public buildings (Burgtheater, Vienna, Austria)



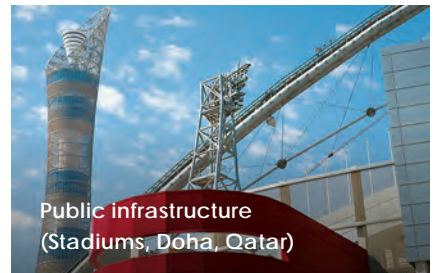
Emergency Light Systems



Large development areas (The Palm, Dubai, UAE)



Rail/road projects (Dubai, UAE)



Public infrastructure
(Stadiums, Doha, Qatar)



Products

DC charger

- BDTe
- BDS
- BCSe (4)
- SMT DC modules (3)

AC inverter

- IDSe
- IDTe
- SMT AC modules

AC UPS

- S2000e
- SMT UPS
- S1300 (2)
- S5300
- S7300 (1)
- S6300e
- Eaton

Additional equipment

- Bypass equipment
- Fuse boxes
- Distribution equipment
- Customised equipment of any type

Batteries

- NiCd
- Lead acid



Railway

Railway applications focus on battery systems in the rolling stock equipment. From cable cars in the Swiss Alps to an extremely sophisticated train composition, Statron engineers and delivers the relevant and necessary battery system.



Selected References



Public transport
(Wiener Linien, Austria)



Mountain railways (Jungfraubahnen, Switzerland)

Application Highlights of our UPS

- Contractor work with large partners, such as Stadler Rail in Switzerland
- Numerous applications in cable cars in the Alp regions of Switzerland and Austria
- Swiss and Austrian railway systems SBB and ÖBB
- City public transport, such as in Vienna (Wiener Linien) or the GEMAS JB Double Track KTM project in Malaysia
- Individual train systems, such as Südostbahn or Jungfraubahn in Switzerland



Railways (SBB, Switzerland)



Railways (ÖBB, Austria)

Products

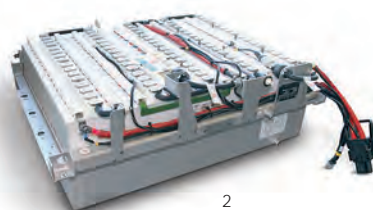
NiCd battery systems (1)

Lead-acid battery systems (2)

Li-ion battery systems



1



2



Telecom



Communication infrastructure is extremely important for every society. Statron is supporting various telecommunication companies and provides support for optional functioning of their systems.

Application Highlights of our UPS and Battery Systems

- Battery systems for Swisscom and Sunrise and UPS for various Swiss communication companies, such as Swisscom and Sunrise
- UPS solutions for various clients, such as the Royal Dutch Airforce
- Being a partner for large telecommunication companies, such as Huawei

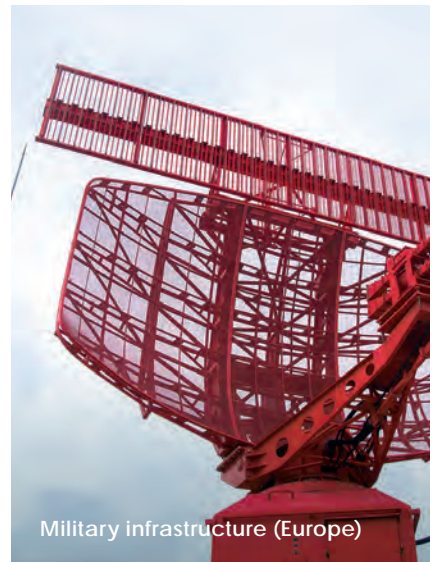
Selected References



International telecommunication companies (Sunrise, Swisscom and Huawei)



Local telecommunication companies (Swisscom, Switzerland)



Military infrastructure (Europe)



Products

NiCd battery systems

Lead-acid battery systems (1)

Li-ion battery systems

UPS systems

- S1300 (2)

- S6300e(3)

- S9300 (4)



Aviation

Statron provides first-hand quality in engineering, planning, servicing and in products (with our partner ITW GSE) for ground support equipment (GSE) for various European airlines and airports.



Selected References



Airports (Zurich, Switzerland)



Airports (Amsterdam, The Netherlands)

Application Highlights of our UPS

- Major airlines, such as Lufthansa, Swiss International Air Lines, Airfrance-KLM, Austrian Airlines
- Major European airports, such as Frankfurt, Zurich, Amsterdam, Geneva, Vienna, Munich, Stuttgart, Hannover, Leipzig and others
- Helicopter ports in various civil applications, such as Rega in Switzerland
- Helicopter ports in various military applications in The Netherlands, Switzerland, Austria or Germany
- Air force at Swiss, German and Dutch military



Air Rescue (Rega, Switzerland)



Airlines (SWISS, Switzerland)



1

3

2

Products

Ground power units

- ITW GSE 1400, 28 VDC
- ITW GSE 2400, 400 Hz (1)
- ITW GSE 2400, Power Coil (3)
- ITW GSE 2400, 270 VDC/400 Hz
- ITW GSE 2400, Cable Retriever

Pre-conditioned air units

- ITW GSE 3400 PCA

Additional equipment

- Aircraft cables
- Aircraft hoses (PCA)
- Aircraft contact sections
- PCA hose connectors

Battery powered eGPUS

- ITWGSE 7400 JetEx, 28 VDC
- ITW GSE 7400, 45-90 kVA (2)
- ITW GSE 7400, 140-180 kVA



Services are important

Services support is important to keep a UPS system running. This starts at the installation and commissioning and goes through maintenance and training. A trend is the retrofitting of installed systems. For systems with difficult access, a retrofit of all electronic parts can be offered while main metal parts (e.g. cabinet, cable connections) remain. The advantages are faster delivery and less-complex on-site installations.

Our flexibility

We do the services for you – if you want. However, we also acknowledge if you have a good team and we train and certify your people. Our staff is trained to train you. Feel free to contact us.

Our complete worldwide Services Portfolio



Full Services Portfolio worldwide

For an excellent functioning of any UPS solution or battery system, services are a vital part. Therefore, the Statron services portfolio contains:

- Installation and Commissionings
- Maintenance and Service
- Education and Trainings
- Service Contracts
- System Checks
- **Modification and Retrofitting**
- Spare Parts
- Repairs

Statron – Rock Solid Swiss Quality

Technology & Product Competence

With the spending of approx. 10% from our turnover to R&D and process improvements, we ensure our rock-solid Swiss quality. That is important for us as uninterruptable power supply applications need products of high quality. Our R&D team, our Engineering team and our Supply Chain Management team ensure that.

Rock Solid Swiss Quality



Tested and Certified

We do not only promise, we test. Each of our systems undergoes an intensive testing phase during the development phase. To prove our high production standards, each of our products is being tested in a final acceptance test. The quality is certified by ISO 45001.

The testing is open so that every client can survey and be part of the final acceptance test.



Engineering and Project Management

The variety of systems is extremely high. To fit into clients needs and to achieve the budget, a reliable engineering process is necessary. In Switzerland and together with the support team around the world, we engineer your system to a high level of quality. Our people handle complex projects daily. The Project Management team is globally distributed and well trained and educated. They make it happen.

Battery Systems

A major part of a UPS system is its battery. Statron cooperates with all global brands of batteries. We chose the best suitable for your project. We have competences in battery engineering and applications with NiCd, lead-acid of various types and with Li-ion of course. The battery systems we supply are suitable for rolling stock and for standby applications. Ask us, we are the experts in reliable and successful application of battery systems.



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