DATA CENTRE

Meeting the challenge of power and energy performance

your energy
our expertise

socomec
Innovative Power Solutions

Your **challenges**, our **solutions**

+ Availability

For guaranteed business continuity and the ultimate protection for your critical assets, Socomec's UPS and Power Quality monitoring solutions deliver a reliable, safe, high quality power supply for the most demanding critical applications.

+ Efficiency

To minimise energy consumption and reduce operating costs, Socomec's energy efficiency equipment and power monitoring and management solutions deliver reduced operating expenditure and site performance - throughout the equipment lifecycle.

+ Flexibility

To futureproof your critical power facility, Socomec's modular UPS, power monitoring and energy management solutions deliver cost-effective power that can be scaled to meet rapidly changing demands.

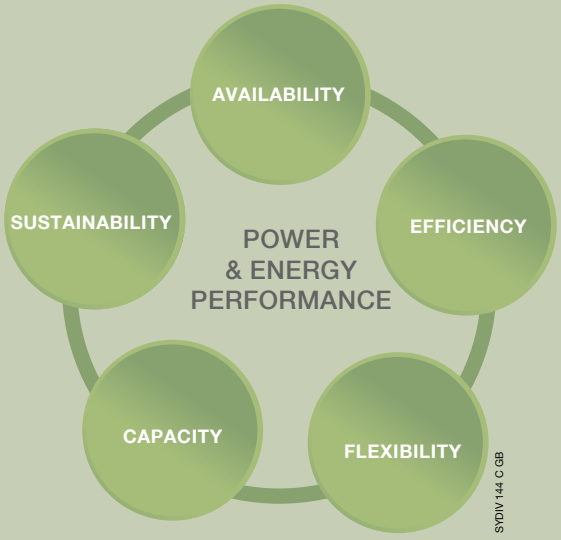
+ Capacity

To optimise the capacity of your facility, Socomec's power monitoring and energy management solutions will maximise uptime and performance whilst helping manage the costs and investments associated with your infrastructure.

+ Sustainability

To minimise environmental impact and to guarantee compliance with the latest legislation and corporate responsibility guidelines, Socomec's power monitoring and energy management solutions deliver an advanced understanding of sites, buildings and processes in order to effectively control - and manage - energy consumption.

= Your data centre Power & Energy Performance



Socomec **solutions: engineered to meet the specific requirements** of data centres

Socomec's integrated critical power solutions have been designed with all types of data centre in mind - including new-build and refurbishment projects, within small, medium and large data centres.

Your requirements

	Data centre segmentation by site use			
	ENTERPRISE	CORPORATE	COLOCATION	INTERNET
RELIABILITY LEVEL	average reliability	very high reliability	high reliability	average reliability
IT EQUIPMENT	heterogeneous	heterogeneous	heterogeneous	homogeneous
ELECTRICAL POWER DENSITY	average density	average density	average density	high density
ELECTRICAL DISTRIBUTION ARCHITECTURE	customised infrastructure	customised infrastructure	standardised infrastructure	standardised infrastructure

Power source switching

Motorised and automatic transfer switches
from 40 to 6300 A

ATyS

Rack-mount UPS

Single-phase UPS
from 1.1 to 11 kVA

NETYS RT

Rack-mounted modular UPS
system up to 4 x 25 kW

MODULYS RM GP

Solutions engineered for your system architecture

The supply of reliable, cost-effective power which can be scaled to meet the rapidly changing demands of a data centre is the foundation upon which our clients' businesses are built.

Socomec invests heavily in pioneering research and product design in order to deliver world-class innovations to solve your greatest challenges in terms of energy availability, efficiency, capacity, flexibility and sustainability.
We have developed a range of fully integrated systems, drawing on the wealth of knowledge and skills from each highly specialised division of Socomec.

Furthermore, our solutions can be individually engineered to optimise energy performance within your system architecture.

Fast Transfer system

Static Transfer System
from 32 to 1800 A

STATYS

Scalable UPS

Hot-scalable UPS system
up to 2.4 MW

DELPHYS Xtend GP

Modular UPS
from 25 to 600 kW

MODULYS GP

Power & Energy monitoring

Multi-circuit plug & play measurement and monitoring system

DIRIS Digiware

High energy efficiency UPS

UPS from 10 kW to 4 MW

Green Power 2.0

Services

- Alarm notification
- Remote diagnostics
- Remote monitoring reports

- **PRISM Availability services**
  A manufacturer's global services to secure your critical power & investment
- **LINK-UPS**
  Remote monitoring service

The Socomec **difference**

Socomec's critical power solutions have been engineered to address the data centre's industry greatest challenges - to guarantee energy availability and high quality power in order to ensure the cost-effective, efficient operation of your data centre.

Solutions to maximise energy efficiency and quality

SOLUTIONS	FUNCTIONS	BENEFITS
Multi-circuit plug&play measurement and monitoring system ***DIRIS Digiware*** 	• Measurement & monitoring system for electrical installation • Multi-circuit concept • Plug & play measurement modules & sensors • Flexible system (shared functions, installation close to loads) • RS485 & Ethernet SNMP communication	• Adapted to all types of installation (new & renovation) • Saves time (installation & evolution) • Saves space (compact) • Reduces costs (CAPEX & OPEX) • Improves accuracy

APPLI 753 A

The busway for a data center solution is a plug-in power distribution system specifically designed to deliver power to an IT rack.
Using pre-assembled tap-off units with built in DIRIS Digiware devices helps minimize unintended downtime, adapts to fast evolving needs and optimizes your data center availability and efficiency.

APPLI 752 A

Power distribution units offer power protection, monitoring capabilities, flexibility & scalability to match power distribution requirements.
Equipped with DIRIS Digiware measurement & monitoring system the PDU facilitates the management of your data center through precise monitoring of electrical parameters to maximize power availability, optimize power capacity, break down consumption levels and reduce energy bills.

To find out more

Discover the full range on our website:

www.socomec.com/en/data-center

FLCD URL 068 A GB

Solutions to maximise energy availability

SOLUTIONS	FUNCTIONS	BENEFITS
Motorised and automatic transfer switches from 40 to 6300 A ***ATyS M, ATyS & ATyS d H*** 	• Safe load supply transfer between normal & alternate source • Integrated auto-configuration • Simple online maintenance • Communication & webserver options	• Minimum downtime for an increased power availability • Simplicity & safety of use • Simplified & secured maintainability • Reduced commissioning time
Enclosed changeover solutions ***ATyS Bypass*** 	• Single line or double line bypass • Separation & protection of various loads • Operation to bypass mode with no break • Provide TIER IV feature	• Simplified maintenance operations • Equipment & people safety • The only solution to isolate electrical equipment (ATS, UPS) without disconnecting the load from the supply • Concurrent maintenance facility without downtime
UPS from 10 kW to 4 MW ***Green Power 2.0*** 	• Parallel configuration up to 4 MW • Distributed or centralised bypass • Distributed or shared batteries • High power density • Numerous communication capabilities	• Energy savings (96 % efficiency) • High load protection grade (double conversion mode) • No oversizing of units and power distribution equipment (kW = kVA) • Saves valuable space (compact units)
Hot-scalable UPS system from 200 to 2400 kW ***DELPHYS Xtend GP*** 	• Hot-scalable UPS system • Pre-wired system • Localised switches for unit coupling/disconnection • Movable power modules • Hot swappable module	• Optimises employed capital, according to the real needs (Pay as you grow) • Protects loads during live extension • Optimises costs over full life cycle • Easy, fast and safe operations for staff & assets • Flexibility thanks to movable assets
Modular UPS from 25 to 600 kW ***MODULYS GP*** 	• Fully modular system (power, battery, bypass modules) • Totally redundant design (N+1, N+2) • Enhanced serviceability performance	• Aligns capacity to demand, pay as you need • Easy to install, adapt & manage • Extends system life cycle
Rack-mounted modular UPS system up to 4x25 kW ***MODULYS RM GP*** 	• Full rack integration • High power density • Totally redundant design • Enhanced serviceability performance • Overall cost optimisation	• Easy and no-risk integration in any 19" standard rack cabinet • Easy to manage, integrate and customise • Pre-cabled system for simplified connections • Pre-engineered and lab-tested parts assuring total system reliability
Static Transfer Systems from 32 to 1800 A ***STATYS*** 	• Automatic seamless load switching between 2 sources • Full internal redundant design • Accurate diagnostics & fault management • Embedded remote data access	• Maximises data center overall availability • Provides site maintenance agility • Prevents fault propagation • Provides dual feed feature to single corded load in case of load failure

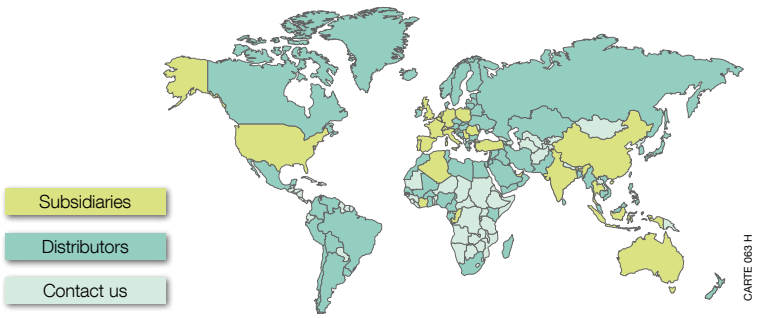
Tailored services and **support** to guarantee successful projects

As the availability of electrical energy is of strategic importance to your business, the quality of our service is as important as the quality of our products.

Nearly 400 Socomec experts and 200 engineers from our distributors, drive the solutions to your specific needs

Socomec technicians, engineers, project managers and power specialists are fully committed to maximise the availability and performance of your low voltage infrastructure during its whole lifecycle.

Our global presence includes:
- 10 branches in France,
- 12 European subsidiaries,
- 8 Asian subsidiaries,
- representatives in 70+ countries.



On-site service management

- 65,000 service operations per year (mainly preventive visits).
- 98% Service Level Agreement compliance rate.

Technical hotline network

- 20+ languages spoken.
- 3 advanced technical support centres.
- 100,000+ incoming calls handled per year.

Certified expertise

- 5,000 hours of technical training deployed per year (product, methodology and safety).

Our network of experts support you at every stage in your project to ensure your energy goals are achieved:

With Socomec service portfolio you will benefit from all the support you may need in your datacenter day-to-day activity.

Prevention and service operations

- Preventive Inspection & maintenance.
- Emergency service 24/7.
- PRISM Availability services: a manufacturer's global services to secure your critical power & investment.
- Maintenance/Inspection service packages:
  - for standard UPS,
  - for modular UPS,
  - for transfer switches.
- Remote monitoring (LINK-UPS).
- Replacement of consumable parts.
- Battery care.
- UPS rental.
- Multi-brand support.

Measurement and analysis

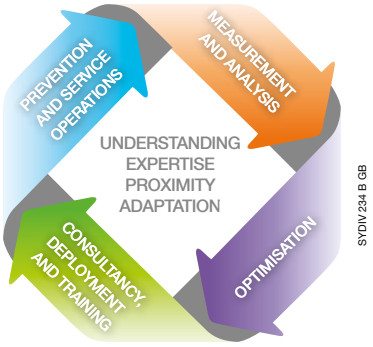
- Power Quality Audit.
- Thermal imaging.
- Electrical Measurement Plan.
- Reactive Power Compensation.

Consultancy, deployment and training

- Project consultancy.
- Commissioning & on-site test.
- Technical training.

Optimisation

- Continuous improvement approach.
- Product renewal.
- End-of-life management.



Customer testimonial:
Datadock chose Socomec

Datadock data centre: 8 x 200 kVA ***DELPHYS GP*** UPS.

Why choose Socomec ?

As a European manufacturer, Socomec offers a range of products specifically adapted to data centres. Its products, solutions and services are targeted at fields of expertise recognised by its customers.

Socomec solutions are already used in some of the world's most renowned data centres.

An industrial group

- Created in 1922.
- More than 3000 employees on five continents.
- Our core business: the availability, control and safety of low voltage electrical networks with a strong focus on our customers' power performance.

The vision of a specialist

- Management of technology modules.
- Adaptation of the range to customers' requirements: tailored products and system, expert solutions.

A culture of independence

- Family shareholders.
- Control of the decision-making process.
- Respect for human values.

A focus on service

- Advice, interventions, training.
- Teams located across the globe.
- Recognised skills and customer focus.

A flexible industrial structure

- Two European centres of excellence (France and Italy).
- Nine competitive production sites (France, Italy, Tunisia, India, China).
- Lean management organisation.
- Lead times, quality and cost guaranteed.

The spirit of innovation

- Almost 10 % of turnover is ring-fenced for R&D.
- A strong objective: to always be at the cutting-edge of technology.

Expert in critical power & energy efficiency

- High quality power supply at any moment is vital in many fields such as IT, Industry or for medical applications. For over 40 years Socomec UPS & static transfer systems comprise the most complete product ranges in the world.
- With the DIRIS Digiware & associated current sensors, Socomec has invented the most advanced multi-circuit measurement & monitoring system on the market dedicated to improve your power and energy performance.

Responsible growth

CORPO 409 A

Our family group is founded on independence, culture and sound values.
Our inherent assets and flair for innovation enable us to add value.
We adopt a medium- to long-term vision of our company to guarantee sustainable growth with the focus on personal, societal and environmental respect.

Ivan Steyert
Chairman & CEO

The Green Grid™

the green grid member

The Green Grid TM is an association that brings together companies operating in the IT sector in order to promote energy performance for data centres.

European Code of Conduct (CoC)

CODE OF CONDUCT DATA CENTRES

By signing the CoC, Socomec agrees to actively contribute to reducing the energy consumption of data centres by offering solutions dedicated to very high performance.

The Data Center Alliance (DCA)

datacentre dca CORPORATE PARTNER alliance

The Data Center Alliance (DCA) is an international industry association representing the interests of the data center infrastructure sector.

European Data Centre Association (EUDCA)

EUROPEAN DATA CENTRE ASSOCIATION

The EUDCA works at a European level to represent the data centre industry across Europe.

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your energy
our expertise

ENERGY SPECIALIST SINCE 1922

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