

DATA CENTRE

Meeting the challenge of power
and energy performance



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.

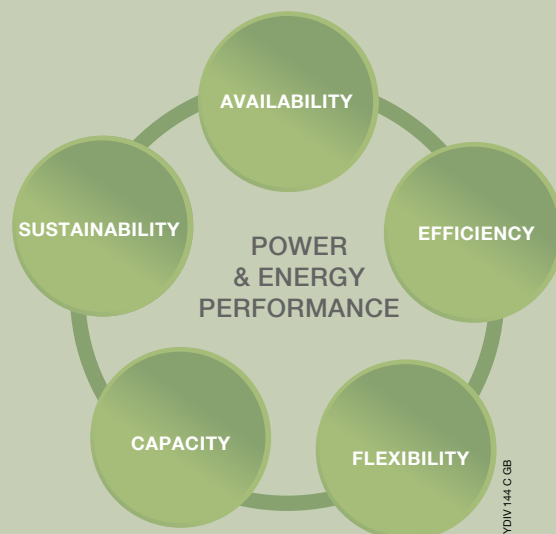
+ Capacity

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



SITE 610 A

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

Fast Transfer system



Static Transfer System from 32 to 4000 A

STATYS

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.

Scalable UPS



Hot-scalable UPS system up to 1.2 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
<p>Multi-circuit plug&play measurement and monitoring system DIRIS Digiware</p> 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Adapted to all types of installation (new & renovation) • Saves time (installation & evolution) • Saves space (compact) • Reduces costs (CAPEX & OPEX) • Improves accuracy



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.




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



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➔ Solutions to maximise energy availability

SOLUTIONS	FUNCTIONS	BENEFITS
<p>Motorised and automatic transfer switches from 40 to 6300 A ATyS M, ATyS & ATyS d H</p> 	<ul style="list-style-type: none"> • Safe load supply transfer between normal & alternate source • Integrated auto-configuration • Simple online maintenance • Communication & webserver options 	<ul style="list-style-type: none"> • Minimum downtime for an increased power availability • Simplicity & safety of use • Simplified & secured maintainability • Reduced commissioning time
<p>Enclosed changeover solutions ATyS Bypass</p> 	<ul style="list-style-type: none"> • Single line or double line bypass • Separation & protection of various loads • Operation to bypass mode with no break • Provide TIER IV feature 	<ul style="list-style-type: none"> • 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
<p>UPS from 10 kW to 4 MW Green Power 2.0</p> 	<ul style="list-style-type: none"> • Parallel configuration up to 4 MW • Distributed or centralised bypass • Distributed or shared batteries • High power density • Numerous communication capabilities 	<ul style="list-style-type: none"> • 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)
<p>Hot-scalable UPS system from 200 to 1200 kW DELPHYS Xtend GP</p> 	<ul style="list-style-type: none"> • Hot-scalable UPS system • Pre-wired system • Localised switches for unit coupling/disconnection • Movable power modules • Hot swappable module 	<ul style="list-style-type: none"> • 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
<p>Modular UPS from 25 to 600 kW MODULYS GP</p> 	<ul style="list-style-type: none"> • Fully modular system (power, battery, bypass modules) • Totally redundant design (N+1, N+2) • Enhanced serviceability performance 	<ul style="list-style-type: none"> • Aligns capacity to demand, pay as you need • Easy to install, adapt & manage • Extends system life cycle
<p>Static Transfer Systems from 32 to 4000 A STATYS</p> 	<ul style="list-style-type: none"> • Automatic seamless load switching between 2 sources • Full internal redundant design • Accurate diagnostics & fault management • Embedded remote data access 	<ul style="list-style-type: none"> • 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.

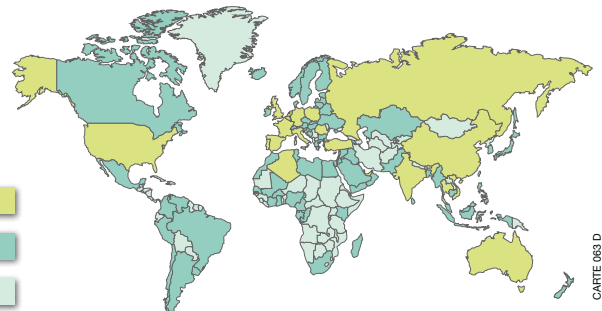


More than 370 Socomec experts and 175 engineers from our distributors, drive the solutions to your specific needs

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.



CARTE 063 D

On-site service management

- 55,000 service operations per year (mainly preventive visits).
- 98% Service Level Agreement compliance rate.

Technical hotline network

- 20+ languages spoken.
- 3 advanced technical support centres.
- 90,000+ incoming calls handled per year.

Certified expertise

- 3,500 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.



Consultancy, deployment and training

- Project consultancy.
- Commissioning & on-site test.
- Training.



Optimisation

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



SYDV 184 B GB

Customer testimonial: Datadock chose Socomec

“ My priority: continuity of service for PlusServer AG's datadock data centre. To achieve this, we chose Socomec equipment (UPS and battery monitoring systems as well as the PLATINUM+ maintenance program), which is perfectly adapted to data centres. Their teams were attentive, close to our site and available round the clock, as that was one of the options included in our contract. That meant I could work with full confidence. We have just finished our annual maintenance with specialists who have been assisting us in this work for the last three years.

Rémy Schweitzer
Site Manager - PLUSSERVER AG ”



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


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 **datadock**

APPLI 584 A

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.

**ENERGY
SPECIALIST**
SINCE 1922



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™ 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)

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)

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



European Data Centre Association (EUDCA)

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

Socomec worldwide

IN EUROPE

BELGIUM

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +32 2 340 02 30
Fax +32 2 346 28 99
info.be@socomec.com

FRANCE

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +33 1 45 14 63 00
Fax +33 1 48 67 31 12
dcm.ups.fr@socomec.com

GERMANY

Critical Power

Tel. +49 621 71 68 40
Fax +49 621 71 68 444
info.ups.de@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +49 7243 65292 0
Fax +49 7243 65292 13
info.scp.de@socomec.com

ITALY

Critical Power

Tel. +39 02 98 242 942
Fax +39 02 98 240 723
info.ups.it@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +39 02 98 49 821
Fax +39 02 98 24 33 10
info.scp.it@socomec.com

Solar Power

Tel. +39 0444 598611
Fax +39 0444 598627
info.solar.it@socomec.com

NETHERLANDS

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +31 30 760 0900
Fax +31 30 637 2166
info.nl@socomec.com

POLAND

Critical Power / Solar Power

Tel. +48 22 825 73 60
Fax. +48 22 825 73 70
info.ups.pl@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +48 91 442 64 11
Fax +48 91 442 64 19
info.scp.pl@socomec.com

PORTUGAL

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +351 261 812 599
Fax +351 261 812 570
info.ups.pt@socomec.com

ROMANIA

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +40 21 319 36 88
Fax +40 21 319 36 89
info.ro@socomec.com

SLOVENIA

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +386 1 5807 860
Fax +386 1 561 11 73
info.si@socomec.com

SPAIN

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +34 93 540 75 75
Fax +34 93 540 75 76
info.es@socomec.com

TURKEY

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +90 216 540 71 20-21-22
Fax +90 216 540 71 27
info.tr@socomec.com

UNITED KINGDOM

Critical Power

Tel. +44 1285 863 300
Fax +44 1285 862 304
info.uk@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +44 1462 440 033
Fax +44 1462 431 143
info.uk@socomec.com

IN ASIA PACIFIC

AUSTRALIA

Critical Power / Power Control & Safety

Tel. +61 2 9325 3900
Fax +61 2 9888 9544
info.ups.au@socomec.com

CHINA

Critical Power / Power Control & Safety /
Energy Efficiency

Tel. +86 21 52 98 95 55
Fax +86 21 62 28 34 68
info.cn@socomec.com

INDIA

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +91 44 39215400
Fax +91 44 39215450 & 51
info.in@socomec.com

SINGAPORE

Critical Power / Power Control & Safety /
Energy Efficiency

Tel. +65 6506 7600
Fax +65 64 58 7377
info.sg@socomec.com

THAILAND

Critical Power

Tel. +66 2 941 1644 7
Fax +66 2 941 1650
info.ups.th@socomec.com

IN MIDDLE EAST

UNITED ARAB EMIRATES

Critical Power / Power Control & Safety /
Energy Efficiency / Solar Power

Tel. +971 4 29 98 441
Fax +971 4 29 98 449
info.ae@socomec.com

IN AMERICA

USA, CANADA & MEXICO

Power Control & Safety / Energy Efficiency

Tel. +1 617 245 0447
Fax +1 617 245 0437
info.us@socomec.com

OTHER COUNTRIES

NORTH AFRICA

Algeria / Morocco / Tunisia
info.naf@socomec.com

AFRICA

Other countries
info.africa@socomec.com

SOUTH EUROPE

Cyprus / Greece / Israel / Malta
info.se@socomec.com

SOUTH AMERICA

Tel. +34 93 540 75 75
info.es@socomec.com

MORE DETAILS

www.socomec.com/worldwide

HEAD OFFICE

SOCOMECC GROUP

SAS SOCOMECC capital 10738740 €
R.C.S. Strasbourg B 548 500 149
B.P. 60010 - 1, rue de Westhouse
F-67235 Benfeld Cedex - FRANCE
Tel. +33 3 88 57 41 41
Fax +33 3 88 74 08 00
info.scp.isd@socomec.com

www.socomec.com

YOUR DISTRIBUTOR

