

YOUR
YOUR
TRUSTED PARTNER
TRUSTED PARTNER
FOR CRITICAL
PHYSICAL
FOR CRITICAL
INFRASTRUCTURE
PHYSICAL
SOLUTIONS
INFRASTRUCTURE
SOLUTIONS



BLUESUN
AUTOMATION LTD



BlueSun Automation was founded in 2005, and within only a few years became a leading Physical Infrastructure Solutions Provider for critical facilities.

We are dedicated to fully understanding customer needs, thus assisting SMB and Enterprise clients across all industries in the selection, installation, commissioning, maintenance and support of best-of-breed technologies that play a fundamental role in their daily operations, ensuring efficient delivery of critical business data.

Our mission is to provide efficient, cost-effective and technically superior solutions that are flexible, scalable and suitable to meet the ever-changing demands of critical business environments.

Our driving philosophy is to establish long-term, win-win partnerships with our clients. Working together as one team and based on a vendor-independent strategy, we develop innovative electromechanical and physical security solutions that ensure continuity of critical business operations.

SOLUTIONS AND SERVICES

EXPERTISE

It is a fact that today's technology may be obsolete by the time the next equipment refresh comes around. It is exactly this inconsistency that led us to look at a more flexible and scalable approach that allows clients to add, change or remove, without unnecessary cost or disruption.

Our Team is fully qualified to effectively advise clients on all aspects of new, as well as on improvements of existing physical infrastructure systems, so as to maximize ROI and mitigate budgetary, scalability or environmental concerns.

Our best practices approach ensures optimal application of talent, experience and resources, thus enabling us to deliver consistent levels of excellence across our solutions and services portfolio, on:

- Electrical Power Distribution
- Uninterruptible Power Supply (UPS)
- Precision Cooling
- Thermal Containment
- Access Floors
- Structured Cabling
- Fire Detection and Suppression
- IP-based Physical Security (Intrusion, Access Control, CCTV)
- Physical Security Information Management & Advanced Video Analytics
- Environmental Monitoring
- Business Continuity and Disaster Recovery
- Energy Efficiency
- Maintenance and Support

SOLUTIONS

POWER

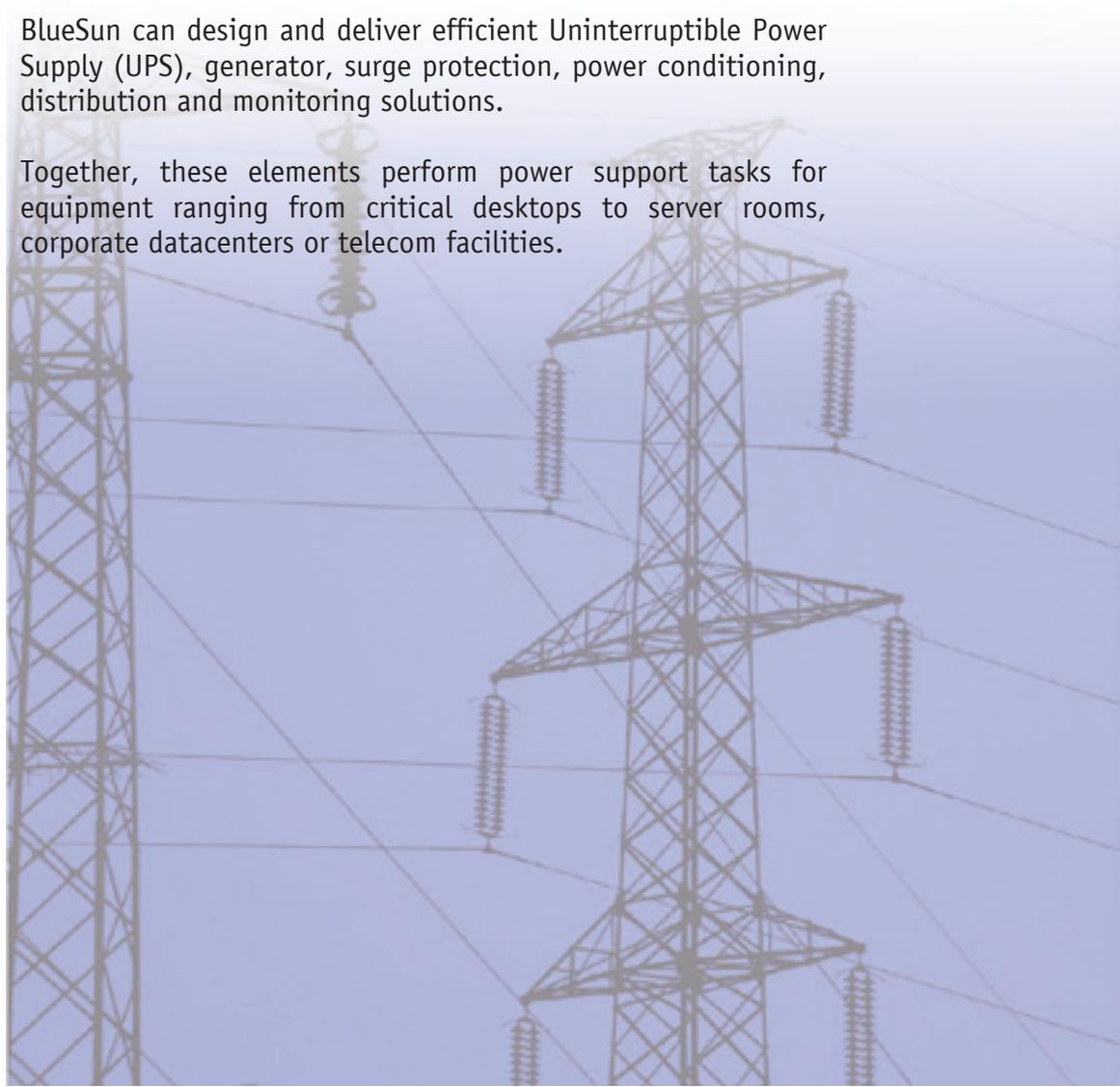
POWER

Systems at the heart of your business depend on a power source that is reliable and protected against interruption.

Moreover, available power should be matched to current needs and also be scalable to accommodate future demands.

BlueSun can design and deliver efficient Uninterruptible Power Supply (UPS), generator, surge protection, power conditioning, distribution and monitoring solutions.

Together, these elements perform power support tasks for equipment ranging from critical desktops to server rooms, corporate datacenters or telecom facilities.



UNINTERRUPTIBLE POWER SUPPLY

UPS

Business critical equipment across all industry sectors typically require a well-conditioned power source to operate efficiently within manufacturer specifications.

While criticality levels may vary in the Hospitality, Health, Telecommunications, Commerce, Shipping, Oil & Gas, Manufacture and other sectors of today's competitive economic environment, regulated power is the common denominator for valuable systems that enable organizations to safely conduct their daily operations without unwanted disruptions.

Our fully qualified Team can identify the most appropriate UPS solution for your business needs and document advantages and disadvantages in detail so as to facilitate an educated decision.



COOLING

PRECISION COOLING

Today's Digital world heavily depends on Information and Communications Technologies (ICT) that enable and control critical business processes around the clock, all year round.

But where there's computing power, there's also considerable heat. And because ICT systems only work reliably at temperatures around 24° Celsius, they have to be cooled. The more efficient this cooling, the less electricity you consume.

Precision cooling systems regulate temperature, humidity and airflow for sensitive technology exactly to the last degree. In datacenters, telecoms and technology rooms, their cost-efficient, continuous operation reliably ensures high availability of valuable, mission-critical systems and other sensitive electronic equipment.

BlueSun can provide efficient air distribution and heat removal in any critical environment at the rack, row and room level, giving you the most effective solution for the least amount of floor space.



CONTAINMENT

THERMAL CONTAINMENT

High energy costs have forced datacenter professionals to rethink their cooling strategies. In addition, higher rack densities consequential to the deployment of contemporary blade servers, storage arrays and other ICT equipment generate more exhaust heat. As a result, hot spots that adversely affect system performance are likely to occur.

Although traditional approaches like room cooling through a raised floor plenum are still prevalent, thermal containment is making significant inroads. According to Mission Critical Magazine, the separation of hot and cold air is one of the most promising energy-efficiency measures new and legacy datacenters can employ to reduce operational costs today.

BlueSun can design and deploy thermal containment solutions so as to maximize cooling predictability, capacity, and efficiency. Thermal containment ensures proper air distribution by completely separating supply and return air paths within equipment rooms, which eventually become large, cool supply air plenums, eliminating the need of raised floor or ducting.



ACCESS FLOORS

ACCESS FLOORS

Access (or raised) flooring is a convenient way to provision electromechanical services in contemporary office buildings, datacenters, showrooms, hospitals and even homes.

The underfloor space is used to deliver cold or hot air, electrical power supply, data connections or other services, while the surface of the floor (vinyl, laminate, wood, marble or other) remains neat and aesthetically pleasing to personnel, visitors and clients.

Operating costs are minimized, as access to services is direct and easy, facilitating preventive or corrective maintenance actions during the lifecycle of your premises.

BlueSun can work together with your architectural and engineering teams towards a unique and functional design based on proven quality floor tiles and versatile substructure components.



PHYSICAL SECURITY

IP-BASED PHYSICAL SECURITY

Increasing incidents of crime and terrorism worldwide have impacted the dynamics of the physical security market. Security threats across the globe have raised several challenges for organizations, which influence them to adopt and implement rigorous security measures.

Government, semi-government and private organizations need to rethink how existing security systems can be enhanced or what features new deployments should have, so as to increase protection of their critical infrastructures, mitigate disruptions and even prevent incidents from happening.

BlueSun can identify the customer's true needs and integrate robust, IP-based physical security solutions in the fields of intrusion prevention, access control and CCTV to safeguard investments, minimize risks and ensure business continuity.



FIRE SAFETY

FIRE DETECTION & SUPPRESSION

Fire safety is about protecting people and assets, securing business processes and ensuring continuity.

BlueSun has a wide portfolio of innovative products with intelligent technology and extensive safety features, and can design a solution that meets any business need.

From university campuses, to hospitals, datacenters, industrial production facilities, etc., we can combine early smoke detection, alarm systems and the latest fire suppression technology to comprehensively protect personnel, clients, property and equipment against the perils of fire and smoke.



MONITORING

ENVIRONMENTAL MONITORING

Environmental monitoring is the process of measuring and assessing operational conditions within confined areas or throughout a building or site, so as to evaluate and mitigate health risks for personnel or damages to critical business equipment.

BlueSun can provide risk assessment and design services to determine the full extent of your site's environmental monitoring needs.

Our solutions can proactively alert (silent, visual and/or audible alarms in a variety of ways) you if monitored conditions exceed certain thresholds, thus exposing staff and assets to risk. Video images can be integrated for live surveillance, while additional sensors can measure anything from temperature and humidity to water leakage, gas, chemicals, vibrations, radiation, etc.



PSIM

PHYSICAL SECURITY INFORMATION MANAGEMENT

Think of Physical Security Information Management (PSIM) as a layer that sits on top of all your disparate security systems and sensors, continuously organizing, analyzing and managing all the data such systems produce.

Instead of having multiple systems to manage, PSIM integrates everything into a single, centralized view that can help you identify, understand and effectively manage:

- Security & Maintenance operations
- Critical processes with availabilities and priorities
- Upcoming potential failures or accidents
- Crisis management procedures



COPPER & FIBER

STRUCTURED CABLING

The advent of new technologies like the Internet of Things (IoT) have a huge impact in building design, construction and operation, as well as on the evolution of critical business processes.

According to Gartner, out of the 21 billion devices likely to be connected to the Internet by 2020, 35% will be used to serve business purposes, operating in buildings as controllers, sensors, etc. Such devices may be wired to the building's backbone or connected wirelessly to access points that also require high quality wired connections to operate efficiently.

Therefore, the structured cabling system infrastructure needs to be robust, flexible and easy to manage, while providing enough bandwidth to serve critical business processes across the premises.

BlueSun can design and deploy copper and fiber cabling infrastructure solutions that reduce operational expenses, fulfill the requirements of contemporary building systems and also provide a flexible migration path towards adoption of future technologies.



PREVENTIVE MAINTENANCE

In today's competitive environment, preventive maintenance is fundamental to ensure business-critical infrastructure systems will be operating at maximum efficiency, and to avoid problems before they occur, saving both time and money.

BlueSun's trained personnel can effectively deliver preventive or corrective maintenance services and Service Level Agreements tailored to the needs of any organization, establishing consistent practices towards improvement of critical equipment performance and safety.



RELOCATION

RELOCATION

Physical relocation of IT systems is complicated and requires expert planning and implementation.

BlueSun can help clients address technology relocation issues or execute the entire physical move of IT operations.

Our relocation services ensure that clients experience minimum business impact during the move and we work diligently to minimize the risk of what could be a very stressful, disruptive procedure.

Work is performed on-site at both locations and scheduling can accommodate evening and weekend hours, based on a detailed operations uptime plan to ensure minimum business impact on you and your customers.



CLEANING

DIGITAL INFRASTRUCTURE HOUSEKEEPING

Whether your infrastructure simply fits in a single rack, a technical room or within a mission-critical datacenter, it needs to be cleaned to maintain the health of equipment, personnel and environmental aesthetics.

BlueSun personnel can deliver exterior hardware, floor-top and under-floor plenum cleaning services according to industry best practices.

Combinations of our services can be performed at scheduled intervals, ranging from once per year to even once a day. The same services and variations can be applied in response to disasters or just to prepare for equipment installation after construction works.

Our cleaning services are designed to keep your IT infrastructure running at peak performance and according to manufacturer environmental condition standards.



POWER AUDITS

POWER AUDITS

BlueSun can deliver power quality audits before downtime affects your facility's performance and bottom line, thus maximizing uptime and performance of your business.

We use state of the art power quality analyzers throughout data collection and site monitoring processes, so as to successfully identify reliability issues and help concerned clients address power problems before they disrupt their critical daily operations.

BlueSun power quality audits are tailored to customer needs and may include site survey, power quality monitoring, results analysis, infrared imagery, as well as solutions to common power problems like voltage sags, spikes, frequency variation, transients, electrical line noise, brownouts, etc.



EFFICIENCY

ENERGY EFFICIENCY

The most successful businesses now add energy efficiency to their key performance indicators, as rationalizing energy usage is no longer just an environmental concern; it has a direct impact on their financials.

BlueSun can help you improve energy efficiency of your facilities, employing energy management best practices that dramatically reduce TCO and systems like:

- Free Cooling
- Hybrid Solar
- Energy Monitoring

SERVER ROOM
DATA CENTER
FACILITIES

PHYSICAL INFRASTRUCTURE SOLUTIONS





www.bluesun.com.cy

87, Arch. Makarios III Avenue, 2nd floor, CY-2223 Latsia, Lefkosia, Cyprus

Tel: +357 22442399, Fax: +357 22480259

E-mail: info@bluesun.com.cy