شركة التجهـيزات و المشاريع السعودية
SAUDI PROJECTS & SUPPLIES COMPANY

COMPANY PROFILE





SECURITY, LIFESAFETY, CONTROL AND AUDIO VISUAL SOLUTIONS

COMPANY IN BRIEF



"IT IS SPS'S VISION TO BE AMONGST THE MARKET LEADERS IN THE DESIGN, SUPPLY, AND INSTALLATION OF SECURITY, SAFETY AND CONTROL SYSTEMS"

Saudi Projects and Supplies Co. (SPS) was incorporated in 2001 as a security, safety and control systems integrator. SPS provides security, safety and control solutions to industrial, governmental, residential, health, and educational facilities. Its scope of services covers the whole Kingdom of Saudi Arabia through three offices, the Head Office in Jeddah and the Regional Offices in Riyadh and Al Khobar.

Since its inception SPS has built its reputation on quality products with unparalleled service to customers. That service begins in the corporate office and depends on each employee doing his job correctly and promptly. Each job at SPS is important. SPS is committed in keeping its staff up-to-date on new technologies as they emerge so we can remain a solid solutions based company for our customers now and in the future.

SPS offers complete solutions that include System integrations, installations, training and after sales services. For all of our products, in every domain we serve, we at SPS work closely with our customers to evaluate their needs and deliver the right solution. This comprehensive solution includes quality products, proper installation, and comprehensive in-service training.

All Sales and Technical Engineers at SPS are well trained and updated with all the latest technologies and innovations in all the product line so as to be able to serve the clients with the best solutions.

SPS is constantly striving to increase its level of services to customers through quality control, competitive prices, and after sale service.

THE FOLLOWING SECURITY, LIFESAFETY, CONTROL & AUDIO VISUAL SYSTEMS ARE PROVIDED BY SPS:

LIFESAFETY SYSTEMS

- Fire Alarm System
- Voice Evacuation System
- Aspiration Alarm System

SECURITY SYSTEMS

- CCTV System
- Access Control System
- Intrusion Alarm System

CONTROL SYSTEMS

- Building Management System (BMS)
- Lighting Control System
- Isolation Room System

HOSPITALITY, NETWORKING & MANAGEMENT SYSTEMS

- Public Address System
- Master Antenna Television (MATV, IPTV & GPON) System
- Data Network Solutions
- Uninterruptible Power Supplies (UPS)
- Master Clock System
- Guest Room Management System (GRMS)
- IP Telephone Systems
- Intercom System
- Car Parking Management System
- Nurse Call System

AUDIO VISUAL SOLUTIONS

- Audio Video System
- Background Music System
- Stage Lights
- Digital Signage System
- Digital Queuing System
- Room Scheduling
- Door Lock System

OUR PRODUCTS

PRODUCTS



FIRE DETECTION & ALARM SYSTEM:

SPS represents a full range of Fire Detection and Alarm System manufactured by ESSER BY Honeywell of Germany. ESSER fire alarm system is one of the world's most complete solutions from any single manufacturer, whatever the requirements are from the smallest conventional system up to the largest fully integrated solution; ESSER has a solution to meet our client's needs. ESSER diverse portfolio of components offers the highest degree of flexibility. This combined with a modular design and bus architecture enable ESSER to provide dynamic, economical and operational excellence solutions.

ESSER with its DECENTRALIZED Technology and high speed processor make the System 6 times faster than other brands in the market.

The FlexES Panel from ESSER is designed to give 18 Powered Loops in a single Panel with the Optional Redundant CPU and Cascadable Power Supply according to EN54-4.

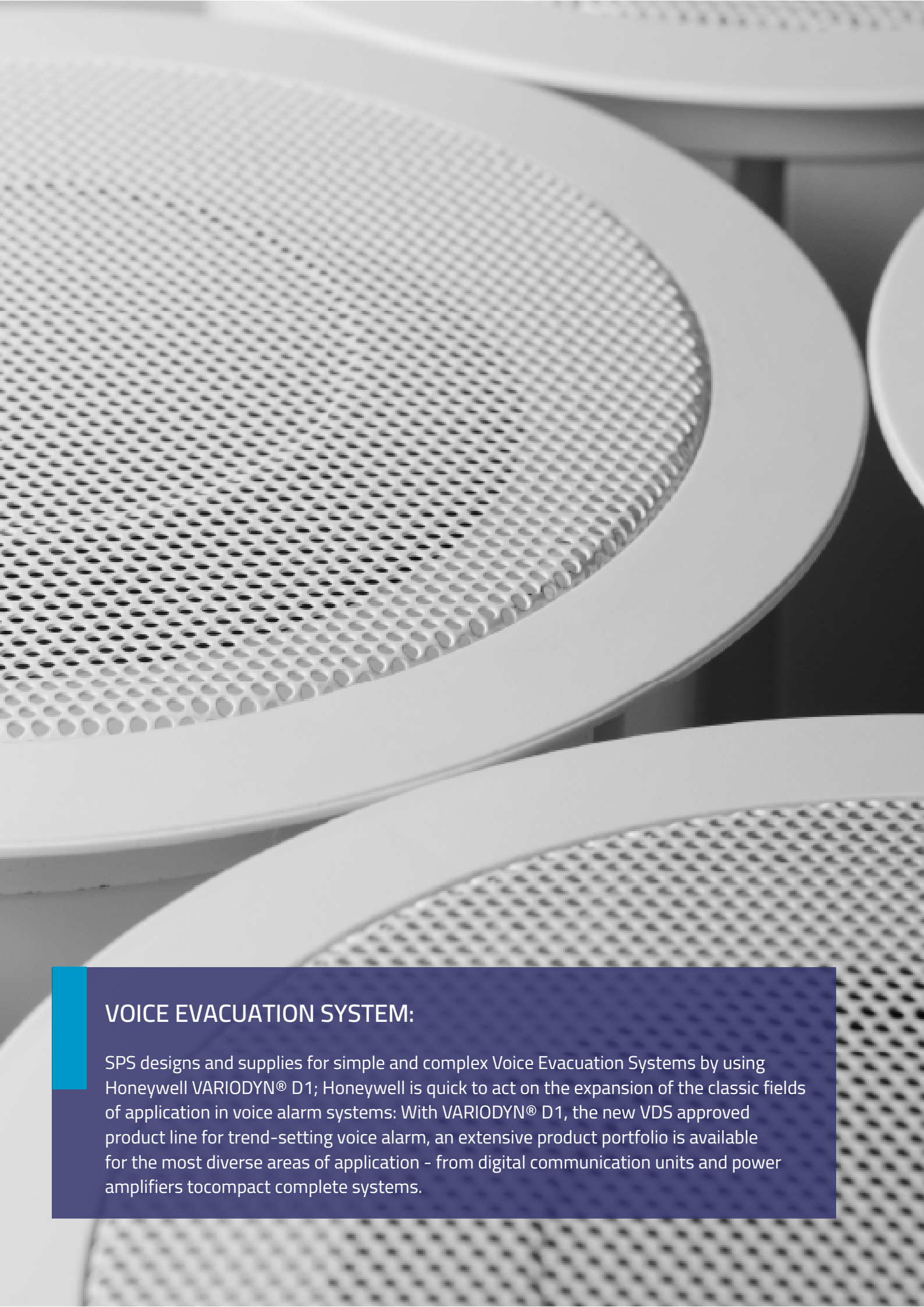
ESSER has been a pioneer in the field of detection technology from simple heat & smoke detectors to the introduction of multiple sensing elements in a single chamber.



ESSER is a VDS approved System which is considered one of the most stringent procedures for Testing, Approval, Certification and Conformity assessment of products and systems in Germany, Europe.

International Certifications to European Standards and a history of innovation and reliability have earned ESSER a reputation for powerful solutions of outstanding value. ESSER uses robust, reliable, and environmentally adaptable products to provide an economical total cost of ownership over the lifetime of the system.





VOICE EVACUATION SYSTEM:

SPS designs and supplies for simple and complex Voice Evacuation Systems by using Honeywell VARIODYN® D1; Honeywell is quick to act on the expansion of the classic fields of application in voice alarm systems: With VARIODYN® D1, the new VDS approved product line for trend-setting voice alarm, an extensive product portfolio is available for the most diverse areas of application - from digital communication units and power amplifiers tocompact complete systems.

Voice Alarm is increasingly important in the safe management of buildings. A voice message informs occupants exactly what to do in an emergency and it is a long established fact that people respond more quickly and are more likely to take the correct action during an evacuation if voice messages are used instead of tone sounders.

VOICE ALARM BENEFITS:

- Clear directions to people in the building
- Live messages giving exact instructions to people who are not familiar with the surroundings
- Customised pre-recorded messages (available in multiple languages)
- Up to 20 minutes shorter response time to fire alarm
- Serial Interface to Honeywell fire panels for EVAC guidance and time-controlled evacuation
- High-end non-emergency features such as equalizing, automatic volume control and multichannel announcements as well as background music
- Alarm cancellation and manual evacuation override control









ASPIRATION ALARM SYSTEM:

SPS represents a full range of Xtralis Aspirating Smoke Detection (ASD) system. Xtralis is a global leader and pioneer in life safety. Xtralis invented VESDA very early warning aspirating smoke detection (ASD), the world's leading ASD brand. Customers worldwide rely on VESDA when business continuity is imperative, environments are challenging, and time is required to ensure safe and orderly evacuation. VESDA ASD systems also can be equipped with modules to detect hazardous / combustible gases to extend their value beyond smoke detection to include gas detection and environmental monitoring.

VESDA ASD SYSTEMS

VESDA detectors have multi-level warnings and a wide range of sensitivity that does not degrade or change over time, so even minute levels of smoke can be detected before a fire has time to escalate. In addition, VESDA systems are manufactured using targeted Six Sigma techniques and ISO 9000 standards and have been certified by regulatory bodies worldwide.

VESDA systems can be seamlessly equipped to actively detect gas leaks and continuously monitor air quality. An ECO gas detector can be attached to a large-bore ASD pipe network to detect hazardous/combustible gases that pose unseen threats. For VESDA VEA, XCL gas detectors added to the micro-bore tubes for similar capability. Both of these gas detection solutions require no construction or additional piping and do not involve installing electrical conduit.











CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM:

SPS designs and installs simple and complex CCTV systems using a wide range of CCTV products from Honeywell of USA, one of the leading manufacturers worldwide. Honeywell is a global diversified technology and manufacturing leader, serving customers worldwide with aerospace products and services; control technologies for buildings, homes, and industry; automotive products; turbochargers; and specialty material.

CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM:



HONEYWELL

Digital video surveillance and closed-circuit television (CCTV) equipment allow staff to keep watch on multiple areas of a facility, or multiple facilities, from a single monitoring location.



HONEYWELL

Security solutions protect a wide spectrum of sites, including commercial buildings, industrial settings, refineries, airports, school campuses and healthcare facilities.



HONEYWELL

Integrated Security offers reliable video systems that integrate seamlessly with scalable access control for the highest quality security. Integration with other Systems like BMS, Access Control System, Fire Alarm System, and Intrusion System is the core advantage of Honeywell brand.



HONEYWELL

Provide customers all over the world with industry-leading video solutions including IP cameras, NVRs, NVR Hybrids, Video Encoders, Video Management Systems, Cloud Hosted Services, and more.

HONEYWELL

Honeywell security products are fully compliant with Ministry of Interior (MOI) standards & requirements. Honeywell can provide a full range of solutions starting from the NVR, storage and VMS for analytics, and ending with wide range of camera types which covers all kind of installations and MOI requirements. With Honeywell Security Systems clients can have one single platform to monitor and control and all their security needs.





ACCESS CONTROL SYSTEM:

SPS designs and installs simple and complex Access Control Systems using a wide range of Honeywell products. The diverse range of Honeywell products allows companies to choose almost any common form of existing ID technology for access point recognition. Some of the options include swipe cards and/or keypads as well as more sophisticated readers such as proximity cards and State-of-the-art biometric readers for fingerprints. All user access information is gathered by a central PC-based workstation where the administrators may retrieve and analyse the information. This data provides a recording of staff movement within an organization, whether it is a small company or a company that employs thousands.

Access control systems are security devices that monitor and control entry of an unauthorized person to premises. Because keys can be easily duplicated, these systems are the best way to keep track of who is entering the restricted area.

Companies requiring high levels of security and access to certain areas may now better manage and monitor protection and quickly respond to security breaches by utilizing Honeywell Access Control Systems.







Access Control Systems supplied and installed by SPS are computerized and can be remotely controlled and monitored through LAN, WAN and the Internet.



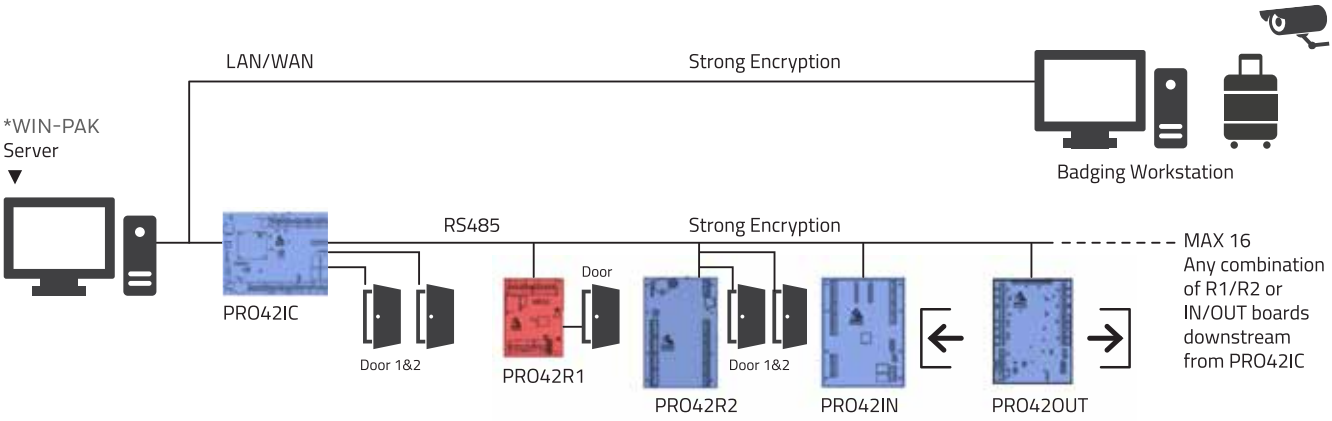
PRO4200 ACCESS MODULE

The PRO4200 professional series can be managed through WIN-PAK® integrated security software for more advanced features such as video integration, advance reporting, rules and photo badging, elevator control , touch-less access and mobile credential management.

Supporting up to 18 doors per enclosure and 34 doors per intelligent controller along with up to 100,000 card capacity, PRO4200 Series provide a combination of small installation footprint and superior cost per door ratio.

The new PRO42IC Intelligent Controller provides I/O support for 2 Doors *. The PRO42R1 provides I/O support for one card access reader, while the PRO42R2 support two card access readers. Both interface with the intelligent control module (PRO42IC). In the event that communication to the intelligent control module is lost, the card access readers be individually configured to allow entrance based on security needs. This customization allow or a be configured as secured, locked and unlocked. PRO4200 modules provide latest bi-directional and strong encrypted OSDP communication with the Access Control readers. For legacy and retrofit installations, Wiegand format is still supported.

The PRO4200 Series of access modules are designed to accommodate various mounting options. Units can be mounted in a rack configuration (PRO22ENC1, PRO22ENC2 and PRO22E C5) when space is limited, or in a tile-mount configuration (PRO22ENC3).



RED boards = Mercury Series 3

BLUE boards = Honeywell PRO4200 modules



INTRUSION ALARM SYSTEM:

SPS represents a full range of Honeywell intrusion alarm solutions that covers all types and sizes of facilities that require an effective means of detecting break-ins.

The risk of loss through burglary, theft or criminal damage has steadily increased over the years. Intrusion alarms are widely accepted as a necessary part of everyday life for the safety and protection of employees, property, homes, and possessions. SPS is aware that crime can totally disrupt a business and its profits. That is why we stand behind the quality products from Honeywell to meet our client's intrusion alarm needs.

- Wide range of computerized control panels that can support up to 64 Zones.
- Wired & Wireless Systems.
- Available with GSM module.
- The system detects any tampering with the telephone line.
- Intrusion alarm detectors are available in many different types e.g. door contact detectors, motion detectors, and many other sensors that can be either wireless or wired depending on the application.









BUILDING MANAGEMENT SYSTEM (BMS):

Buildings are subjected to changeable, and at times, extreme weather conditions. Providing owners with the satisfactory data that enables them to control and monitor their building, whilst at the same time providing a suitable working environment for those within, becomes a difficult requirement to fulfil.

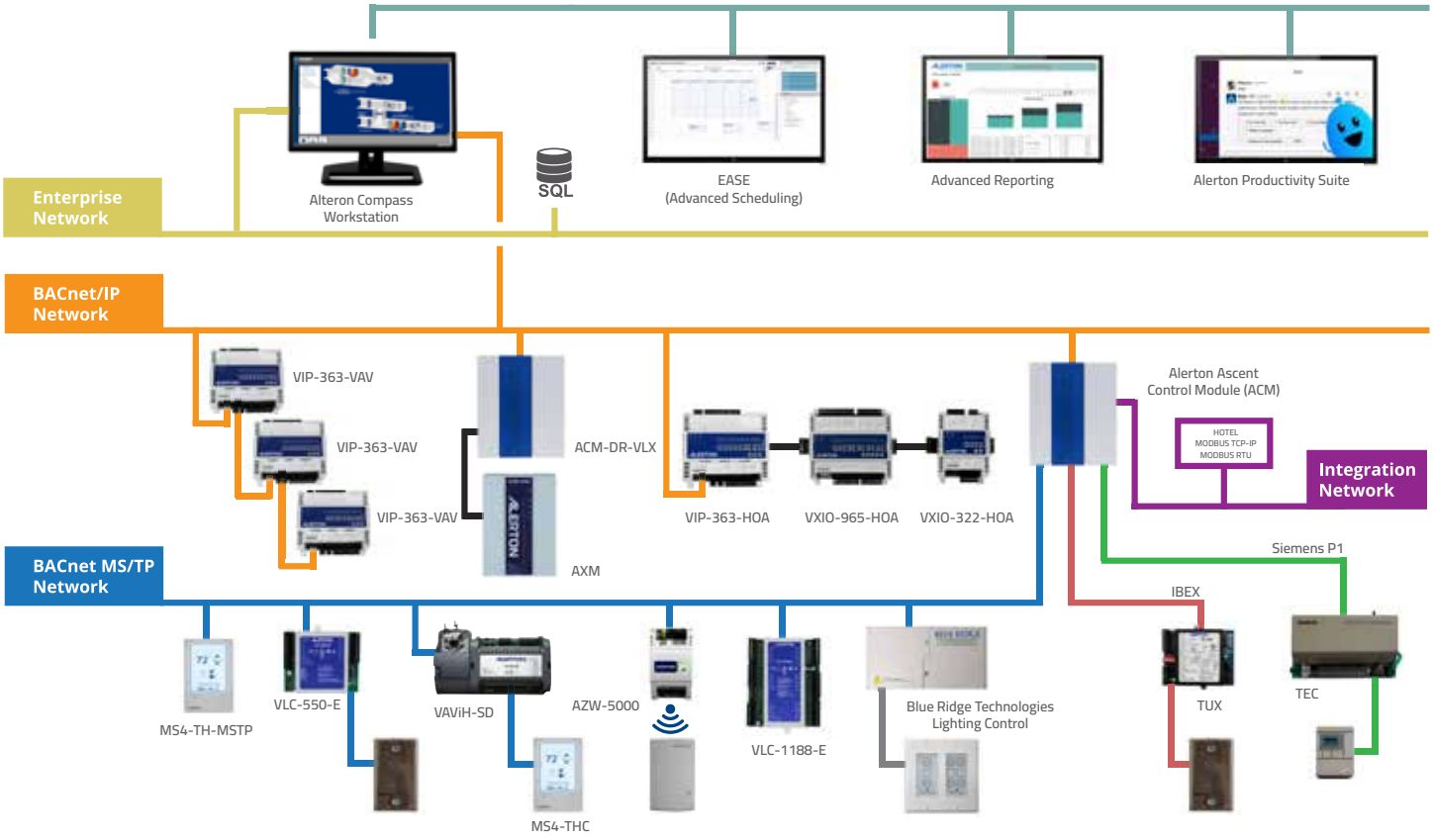
SPS represents Alerton of Honeywell building management solutions. Alerton specialises in building controls and automating processes that maximise energy efficiency, improve quality & amp; boost building performance.

Alerton is a worldwide leader in interoperable building automation systems. They pioneered the manufacturing and distribution of innovative building management solutions to global leaders in a variety of industries.

Alerton fully automated systems are found all over the world in thousands of buildings of all types and sizes, including large office buildings, office parks, government facilities, hospitals, industrial and manufacturing facilities, schools, and hotels.

ALERTON IS THE FIRST TO:

- Pioneer Direct Digital Controls (DDC) technology
- Offer a Windows®-based operator's workstation
- Offer an intelligent zone sensor—the Microset™
- Offer a top-to-bottom native BACnet® system



BUILDING MANAGEMENT SOLUTION

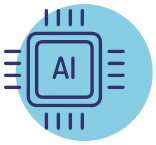
Integrated management increased control



Manage your operation from one intuitive interface



Gain better insights from your building with aggregated data across systems



Continuously improve your operational efficiency with artificial intelligence

COMPASS

COMPREHENSIVE CONTROL, ACTIONABLE INSIGHTS

See your building in a new way. Integrate your operations into a single management solution, and gain visibility and control.

EASE

EASY SCHEDULING, MORE EFFICIENT RESOURCE USE

Setting an operational schedule that closely mirrors actual building usage can sometimes seem like a full-time job. Benefit from stress-free and simplified scheduling with EASE add-on.

EQUIPMENT CONTROLLERS

ASCENT CONTROL MODULE (ACM)

The backbone of our Ascent product line, the Ascent Control Module (ACM), combines Alerton's proven BACnet prowess with the flexibility of the Tridium Niagara Framework®. Manage, monitor, and optimize your building with one of the most powerful and versatile global controllers available.

IP CONTROLLERS

VisualLogic™ IP (VIP) controllers provide robust engineering capabilities for advanced EMS & HVAC DDC applications. With powerful processors, universal I/O, and expansion units, the VIP controllers provide versatility and power for your smart building's automation needs.

UNITARY CONTROLLERS

The VLC-E and VAV-E lines combine the power and precision that today's modern building applications demand. Fully programmable, these controllers can support a range of applications – from complex air handling units to the latest terminal end unit devices, and everything in between.

WALL MODULES AND SENSORS

Microsets and AlerView
The Microset 4 line provides a range of modern sensor options, suited for any building need. For more power and flexibility, explore AlerView, a feature-packed local management and display module.



LIGHTING CONTROL SYSTEMS:

SPS designs and installs simple and complex Lighting Control Systems; the Lighting is the second largest consumer of energy in a building. Ex-Or by Honeywell lighting control solutions maximise the efficiency of lighting systems, without compromising the comfort and performance of the space, or the broader ecosystem of a building.

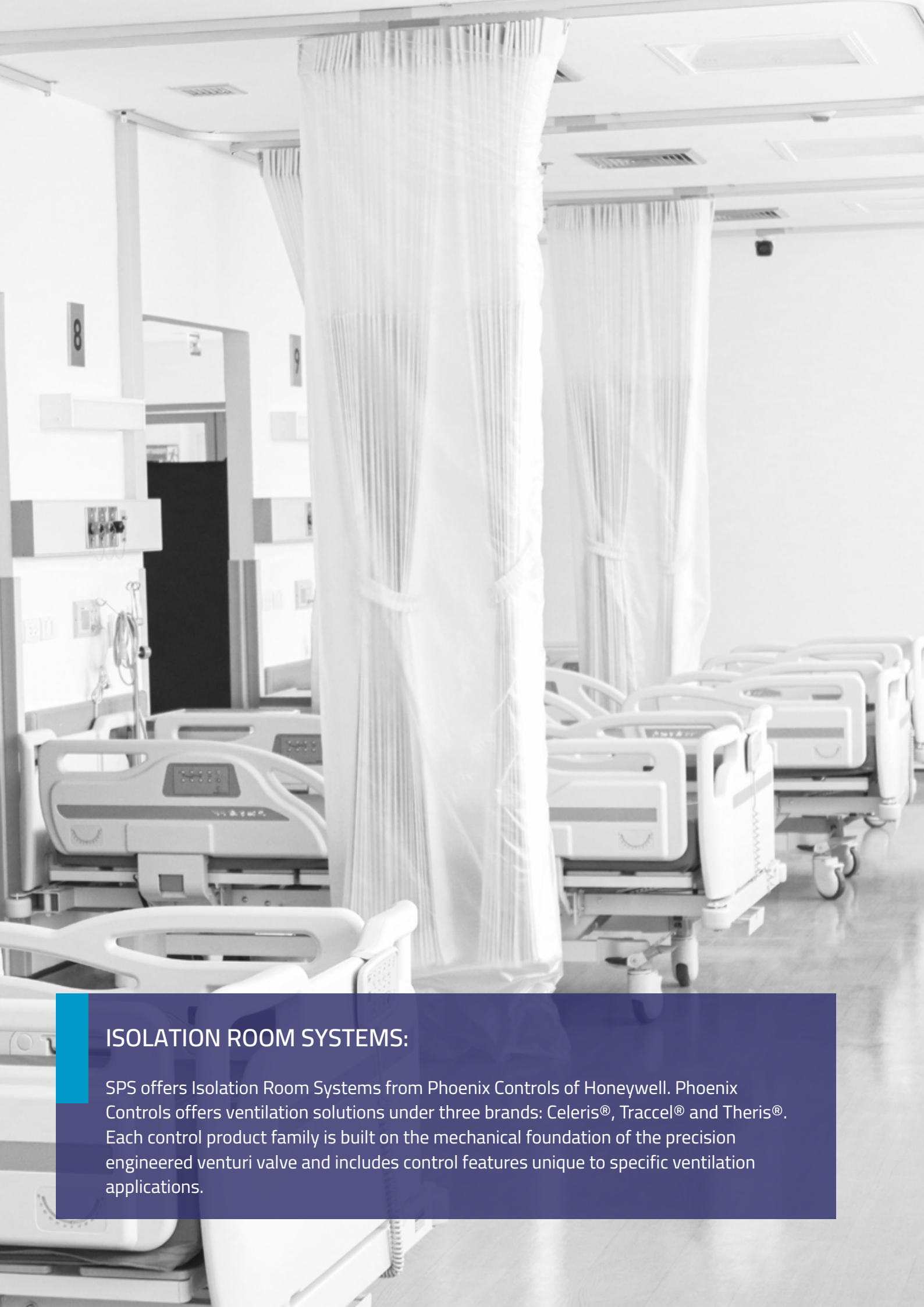
When thinking about ways to increase the energy efficiency of a building, it's important to consider the controls you'll need to put in place to make it all work together. Ex-Or's lighting controls, combined with LED lighting, can offer the greatest potential energy savings for your lighting – up to 90% in some applications.

Today, nearly every organisation is trying to reduce its energy costs. A lighting control system helps you maximise energy efficiency, and enhance comfort and productivity.

Lighting needs to be flexible – it needs to react to what's happening in the building. When there's no one around it might not be needed at all – and you can't always rely on people switching the lights off.

Spaces are flexible too. For example, you might have a conference room that doubles as a ballroom, or a large office with frequent layout changes - With our lighting control system, you can have pre-set lighting configuration. Because it helps you be more environmentally friendly, it's easier to comply with energy legislation and building regulations.





ISOLATION ROOM SYSTEMS:

SPS offers Isolation Room Systems from Phoenix Controls of Honeywell. Phoenix Controls offers ventilation solutions under three brands: Celeris®, Traccel® and Theris®. Each control product family is built on the mechanical foundation of the precision engineered venturi valve and includes control features unique to specific ventilation applications.

Celeris is a platform of high-performance Variable Air Volume (VAV) airflow control valves for fume-hood intensive, high-level containment and pharmaceutical manufacturing facilities. Celeris protects researchers and safeguards the integrity of the research environment in critical control environments, while offering optimum energy efficiency.

Traccel is Phoenix Controls' family of airflow control systems designed to meet the needs of today's life science facilities. With Traccel, life science facility owners can easily accommodate changes in airflow demands, reduce future HVAC renovation costs, and, most importantly, maintain the environmental integrity of the research facility.

Businesses demand precision airflow control for critical spaces. It is a matter of safety, pure and simple. Safety for world-class research laboratories. Safety for collaboration in the world of emerging sciences. Safety for patients and staff in state-of-the-art hospitals. For critical room control system needs, Phoenix Controls is simply the best in the business.

For more than 25 years, the name Phoenix Controls has meant peace of mind for thousands of corporations around the globe. Our customers know the quality and reliability of the Phoenix Controls venturi valve and control system is second to none. Yes, we know safety is the primary reason our customers choose us. But today, there are even more reasons to design our valves into projects. Our innovative airflow control solutions provide new ways to save energy and reduce the cost of maintaining HVAC systems.

As building airflow control systems become more complex, their maintenance costs rise. Phoenix Controls delivers the value of an energy efficient critical room control system that requires virtually no maintenance for the entire life of the building.





PUBLIC ADDRESS SYSTEM:

SPS designs and installs simple and complex sound systems using a wide range of components from PASO of Italy. PASO is one of the few enterprises in this field able to boast their own original in - house design and manufacturing system for a full range of products, from the most complex and sophisticated equipment to the simplest accessories.

Technical standards are not mandatory but become binding in all applications which are subject to the legislative and/or regulatory provisions that require the use of a sound broadcasting system for both emergencies and voice alarms (hospitals, schools, shopping centres, offices, theatres, sports centres, hotels and, more generally, any spaces that are not familiar to the occupants and that have a significant public presence).



PASO Multi-Zone Voice/Music Control System is developed for easy installation and operation in a wide range of applications where background music distribution, speech announcement and pre-recorded messages are requested. Through simple and economic CAT5 or CAT6 Cables a large Network of Master Control Units and Slave Control Units can be made to extend the System up to 216 Zones. And all these Zones can be managed centrally and locally.

THE MAIN ADVANTAGES OF USING PASO PA/VA SYSTEM ARE:

- Multiple Building Central and Local control
- Flexible and Expandable
- Easy Software Programming
- Installation Cost Saving due to Cable Length and Section Reduction
- Voice and Pre-recorded message distribution
- Background music distribution
- Freely Programmable I/O Contacts
- Interconnection with Voice Evacuation System for application according to EN60849 Standard
- In accordance with the new regulations about control and voice alarm systems in case of fire (EN54-16), PASO offers the new compact system PA8506-V which is designed for easy installation and operation in a wide range of application where both emergency voice alarm systems and public address systems are required.
- PASO has a range of speakers that are made in Italy.

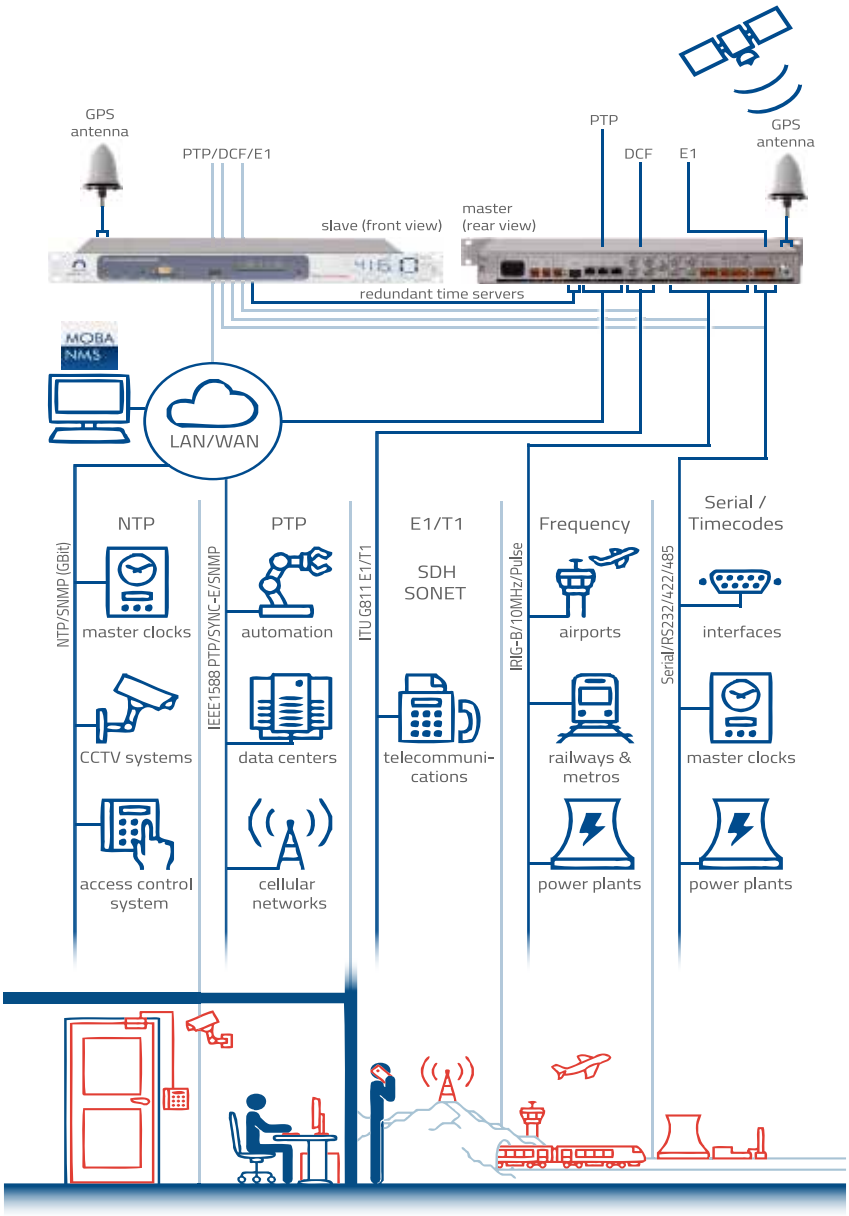


MASTER CLOCK SYSTEM:

SPS offers its clients Master clock Control Systems from MOBATIME of Switzerland, one of the most experienced developers and manufacturers of industrial clocks and time distribution systems in the industry.

MOBATIME has acquired a worldwide reputation for its innovative skills, the reliability of its products and the quality of its services.

MOBATIME devotes more than 10% of its turnover to research and development and has developed a completely computerized Master Timing Centre MTC. Through a complete new time system called MOBALine, it is considered to be one of the most sophisticated time distribution systems currently available in the market.



MOBALine is a one-way two wire data transmission system designed for secure data transmission with simultaneous supply of the end units connected to it. Thanks to simple demodulation, optimized for microprocessors, the hardware costs of the terminals can be considerably lowered. The new self-setting slave clock movements are radio synchronized by MOBALine. This guarantees not only the absolute correct time, but also an immediate, automatic season change-over.

MOBALine is Maintenance-free thanks to its self-setting capabilities! No re-setting problems for clocks with difficult access. Additionally, battery change is not necessary. Power is supplied to terminals through the already installed 2-low voltage wired lines.

NTP – Time over Ethernet ToE the innovative way to distribute time to clock systems, IT infrastructures, buildings and security technology.

Nowadays new installations of time systems and clocks are network-based; they rely on the existing LAN-cabling. Within this standard the NTP (Network Time Protocol) is the reliable time standard for the synchronization of clocks as well as for the time reference of IT-sub-systems.

MOBATIME is capable to distribute high-precision time in an easy way, without additional cabling, by providing its DTS products and LAN clocks. DTS (Distributed Time System) devices are MOBATIME master clocks and time servers to distribute the exact time in LAN/WAN applications via NTP protocol. There can be unlimited No. of Slave Clocks on LAN.

MOBATIME has recently introduced MOBA-NMS. This is network management software that facilitates configuration, monitoring and administration of the entire time system - including master and slave clocks - on one application platform. It is designed to handle/configure more than 1000 devices per network at the same time.

SLAVE (SECONDARY) CLOCKS

MOBATIME product line consists of a very strong range of Slave Clocks offering both analog and digital in various design and sizes suitable for both Indoor and Outdoor applications to meet any requirement of a project. Furthermore, MOBATIME is capable to manufacture custom clocks to meet the specific needs of our clients.





WIRELESS TIME DISTRIBUTION (WTD)

The innovative Radio Clock System is based on a Transmitter which sends the time signal (868MHz) to the end devices (i.e. Clocks). The End devices are equipped with a WTD movement or with a special WTD receiver module. The WTD transmitter is synchronized either by a Standard Master Clock, by a modern NTP Time Server or by a GPS or DCF 77 receiver directly.

Advantages of WTD System

- No Cabling as wireless synchronization
- Distribution over large distances (100 to 200 meters depending on Building Structure)
- Extension of distances by using Repeaters
- Compatible to Norm AFNOR NFS 87500



Thanks to MOBATIME broad range of products, we can offer to our customers a standard, individual, independent or network installation in several key fields such as:

Public transportation (railways, airports, underground)

Energy production and distribution companies

Public clocks, administrative buildings, hospitals, schools, radio and TV studios



NURSE CALL SYSTEM:

SPS offers AUSTCO integrated health care communications system. AUSTCO the leader in its market involves healthcare staff of all levels in the design process, ensuring the products meet the requirements of nurses, patients and healthcare administrators. AUSTCO products are engineered for superior reliability, durability and aesthetics. Staffs need to communicate with each other quickly and effectively.

AUSTCO of Australia has been an industry leader in the design and manufacture of emergency call and care management systems for institutional environments.

AUSTCO offers fast and flexible comprehensive solutions for patient-to-staff and staff-to-staff communication. AUSTCO'S MediCom Nurse Call system revolutionizes the way patients and staff interact by linking the capabilities of the latest wireless technology - wireless phones and pocket pagers - with traditional communications vehicles, such as nurse call bed stations and nurse consoles.

TACERA is AUSTCO'S latest advance in Nurse Call and Health Care Communication Systems. TACERA was developed by AUSTCO to empower nurses with technology, information and communications. TACERA offers simplicity in real-time connections for Health Care professionals and patients. This enhances the care delivery process with measurable improvements to the patients' quality and experience of care.

TACERA is the world's First True IP solution where all system components are fully IP configurable and have their own unique address for best in class supervision and system management. Nurse stations and Patient stations use SIP VoIP (Voice over Internet Protocol) offering non-blocking audio connectivity when integrating wired and wireless solutions on your existing IT infrastructure.

The easy-to-use touch screen console used in conjunction with the single platform, single server solution will tidy nurse stations and simplify installations for future add-ons. Designed to connect to most popular systems on the market, TACERA uses industry standard protocols to protect investments and deliver hassle-free, seamless plug and play integration.



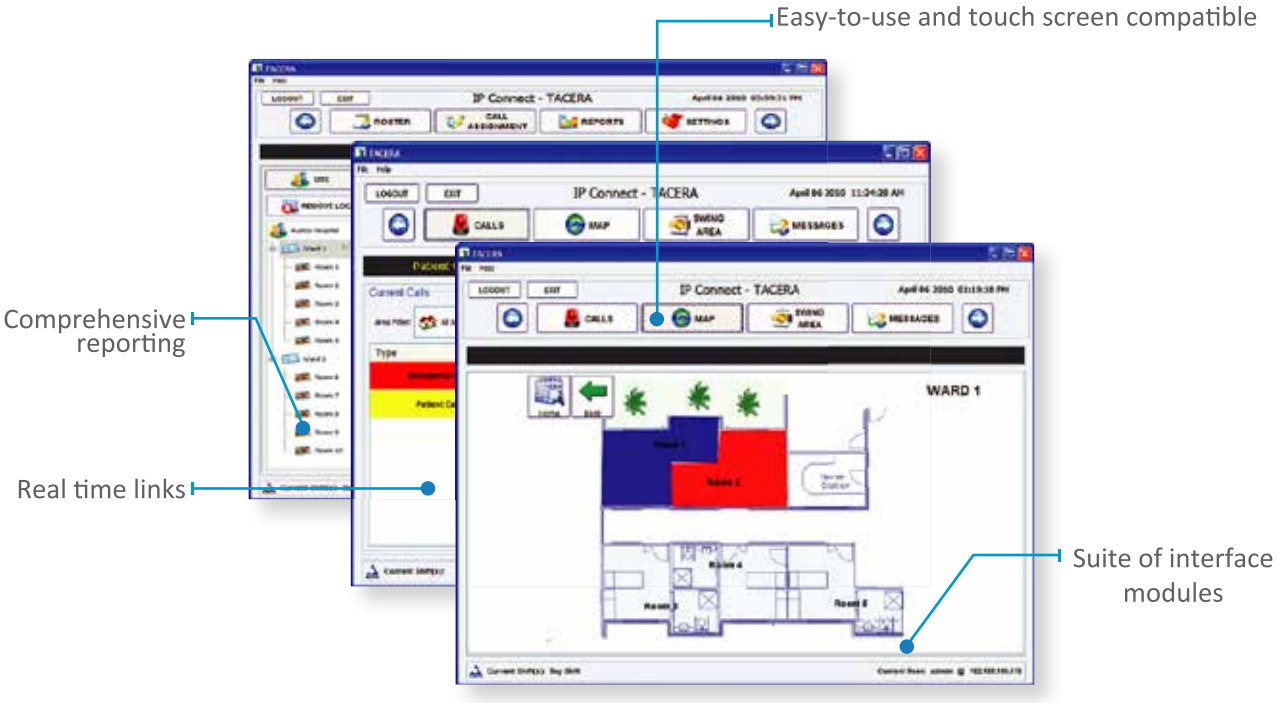


PATIENT STATION



The Tacera Patient Station is a wall or bedhead unit that provides a complete in-room patient call and audio solution. Multiple patient/resident handset sockets allow the patient station to support one or two beds per room. The device serves as an IPnet Room Controller supporting all current IPnet device types.

IP USER INTERFACE



The Tacera Nurse Call System comes with a comprehensive software application that provides a clear display of calls,touch-to-select features like rostering, swing ward, and call assignment for staff pagers, VoIP, fixed or wireless telephones and Vocera badges. Full ward statistics and reporting add an extra level of functionality for administrators and nurse managers.

Call type priorities are colour-coded, allowing highest priority calls to be easily identified. The automated messaging module is simple to use and ensures timely responses. When used with our Touch Screen Nurse Station, the touch-to-select feature allows users to easily navigate through the software. Tacera accesses existing databases via HL7 or ODBC to bring you accurate reports, 24/7, for individual wards or all your wards as needed.

REPORTING

All location and button press data is stored for reporting, including room visits, response times, and time spent in rooms.

With this information, healthcare organisations can access complete audit reports, better monitor how care is delivered, and identify opportunities to improve.

REAL TIME LOCATION SYSTEM (RTLS)

Austco next generation Smart Call Points with built-in RTLS and badges provide features that are normally only available through stand-alone RTLS systems. Our locating enabled products provide features such as automatic staff presence, automatic call cancelation, mobile duress, automated workflow, comprehensive reporting and staff, resident/patient visibility.

THE FEATURES YOU EXPECT FROM A 3RD-PARTY RTLS SYSTEM, BUILT INTO TACERA.

AUTOMATIC STAFF PRESENCE

With dual-technology RTLS, the badges and call points interact wirelessly to record a presence event in a location. Caregivers no longer need to press a physical presence button. The presence events can optionally initiate other processes, and all events are logged for reporting.

AUTOMATIC CALL CANCELLATION

If there is an active call in a given location, Tacera can automatically cancel it when staff are detected there. The alarm lists are updated, and staff presence is displayed on workstations, mobile devices, and other interfaces within the system.

MOBILE DURESS

The badges are enabled with programmable buttons, and users can call for help, wherever they are. When pressed, the location displayed in the nurse call system will be that badge's current location.

AUTOMATED WORKFLOW

Many processes can be initiated with auto-presence and auto-cancel, including:

- Send messages or place audio calls.
- Automatically log completed rounds.
- Mute the chimes.
- Display role-specific content on in-room screens and mobile devices.



STAFF, RESIDENT, AND PATIENT VISIBILITY

Tacera can light the over-door light in rooms where staff are present, so other staff know, at a glance, where care team members are located. For residents and patients, Tacera can activate a different color to indicate the resident or patient has left the room.



1. INCREASED PATIENT SECURITY AND SATISFACTION:

Improving patient care and safety is the prime directive and ultimate goal of interoperability. Interoperability of systems, information sharing, and data access play a critical role in improving the patient care experience by less task duplication, reducing wait times and enhancing the overall quality of care.

2. INCREASED EFFICIENCY:

Presenting data to healthcare providers in real-time and in a consistent manner can boost efficiency across an entire health organization. Having the ability to aggregate data from a single building, all the way up to a geographically diverse health system or IDN can create process improvements across an entire healthcare organization.

3. REDUCED MEDICAL ERRORS:

Interoperability presents healthcare organizations with solutions to prevent medical errors by making it possible to exchange and interpret data across technology systems and software applications. This allows care providers to have a better understanding of how and why medical errors occur and enables them to take action in preventing them.

TACERA CAN HELP

- Tacera works with major hospital and facility systems to support and enable interoperability.
- Austco offers an open API for integrations with any clinical, facility, or 3rd party system.
- Ongoing integrations is how the system grows with you.

TACERA offers acute care specific management reporting, providing nurses and managers with workflow and performance data relevant to the area, the ward or the complete hospital or group of hospitals within the organisation.

WHY AUSTCO BRAND IS UNIQUE AND SPECIAL:

- UL Listed parts
- Any Television Brand can be used with this System (whereas other system suggest specific compatible brands)
- The Soldering contacts are made of Gold covered by Carbone to prevent from Rust and thus give very long life
- Dynamic Nurse-to-Patient Pagers and/or Wireless Telephone Assignment
- All Silicon Call Points for Patient and Staff are Anti-Bacterial to prevent infection when pressing the Buttons
- Lightning and Static protected
- Automatic System Monitoring, Fault Detection and Notification
- Compatible Interfacing to Existing Nurse Call System / Existing Paging or Telephone System / Critical Plant or Equipment Failure Alarm / Fire Alarm & Smoke Detectors
  5 Years Warranty on all items

AUSTCO NURSE CALL SYSTEMS COMPLY WITH THE FOLLOWING STANDARDS:

- UL 2601.1 Medical Electrical Equipment, General Requirement for Safety
- UL 1069 Hospital Signalling & Nurse Call Equipment
- BS EN 60601.1, CSA 601-1-M90
- AS 3811 Hard Wired patient alarm system for Hospitals
- HTM Bed Head Services

AUSTCO Nurse Call System is installed in more than 200 Hospitals including Hospitals from Ministry of Health, Ministry of Higher Education, National Guard, Royal Commission, and Ministry of Defence. This is in addition to numerous private Hospitals.





MASTER ANTENNA TELEVISION(MATV, IPTV, & GPON) SYSTEM:

SPS represents a full range of Master Antenna Television Products manufactured by Televes of Spain. Established in 1958, as TV in Spain began its transmission, Televes has grown to be a major player in the field of design, manufacturing, and marketing of products for the reception and distribution of TV signals.

Televes products offer various solutions to any Radio or TV installation. It has a very comprehensive range of products from antennas to electronics. In each case, Televes has a product available so that the best possible reception is achieved.

With Televes range of products, a solution to all reception and distribution problems concerning either Radio or TV signals is possible. Televes products cover MATV, SMATV, CATV, Digital Signage, IPTV, GPON and many other types of installations.

TELEVES PRODUCTS AND SERVICES COVER THE FOLLOWING BUSINESS SECTORS:

TV DISTRIBUTION

The distribution of broadcast TV has been traditionally the core business of Televes Corporation.

HOSPITALITY

Providing the best guest experience through an universal and efficient fibre high capacity network (GPON) combined with interactive in room guest entertainment (IPTV).

HEALTHCARE

Telecare solutions with Smart technology.



TELEVES GPON TECHNOLOGY

There is an increasing need for designing high-speed broadband networks to accommodate usage of vanguard services that demand extensive bandwidth, such as:

- Internet.
- Digital Home
- Smart Cities.
- OTT (Over The Top: multimedia contents distributed through Internet).
- Remote health care and prevention: requirement of sending large amount of information (images and high resolution videos).
- Ultra High Definition (UHD): High amount of data and bandwidth requirement.

When the demand for broadband access is so high, only a network architecture based on fiber optics can guarantee the required quality of service.

Fibre Data is the comprehensive range of equipment that allow the implementation and commercialization of services over a passive optical network (PON).

Fibre Data range not only provides high-speed broadband, but also allows the management of Triple or Quad Play services so as to offer tailor-made service packages adapted to the customers' needs. All the same services and applications that are traditional copper network can be delivered over GPON network (e.g. IP video, RF video, IP Voice, Analog POTS Voice, Security, Wi-Fi).



GPON TECHNOLOGY IN HOSPITALITY SECTOR THROUGH FIBRE DATA

GPON Technology is the best solution that can be deployed in:

- Large hotel/resorts that require higher density of Ethernet ports (e.g. metro high-rise hotels) as well as hotel/resorts where distance between main data center and the Ethernet end-point connectivity (e.g. sprawling resort property).
- Owners and operators who desire to cover networks and services over the fiber (e.g. guest services, back office, security, Wi-Fi and even DAS).
- Construction that has unique cable installation restrictions (e.g. restricted or non-existing pathways, historical and older buildings, architectural challenges, coring expense).
- Properties where copper cabling longevity is compromised by high humidity, high salt, high corrosion and lightning.
- Buildings where Ethernet tolerances were not part of the original design.

In general, GPON networks should be evaluated for any size or type of hotel. Distance, speed, construction needs (core drilling etc.), lack of pathways, lack of IT Space, electrical requirements are all advantages of GPON networks.





INTERCOM SYSTEM:

SPS represents FERMAX intercom system of Spain. Fermax video door entry monitors open the door to a world of possibilities for communication, security and home comfort. Fermax range includes everything from monitors with the essential features to IP video door entry systems integrating features. Fermax provide a wide variety of audio and video panels: modular and versatile, anti-vandal and even panels with high design touch screens.

Intercoms are used on a wide variety of properties, from houses that only require one connection between a resident and the property's entrance to multi-unit apartments that require intercom hardware to be installed in every individual apartment.

Some are equipped with video, and its wiring (electrical installation), can be connected to the outside with few pairs while controlling an electric strike. The latest generations are even compatible with mobile phones, and some models include TCP/IP compatibility.











DATA NETWORK SOLUTIONS:

SPS provides consulting, design, and implementation of IT Infrastructure Solutions. Our technical expertise in end-to-end infrastructure management solutions helps customers to harvest the best returns on IT investments. SPS offers a comprehensive range of passive and active solutions designed for today's IT demands and tomorrow's possibilities.

In today's vibrant and highly competitive business environment, it is essential that an enterprise should be built on reliable and robust IT infrastructure. Present modern organisations use IT as a platform to leverage the way they operate and an effective IT infrastructure acts as a strategic tool.

- Passive Networking Solution (Copper & Fibre Optic).
- Active Networking Solution (Switch, Router, Firewall & Sever).
- Virtual Private Network Solution (VPN Solution).
- Wireless LAN solutions





IP TELEPHONE SYSTEM (VOIP):

SPS has capitalized itself with the team of experts that can provide complete solution for Voice / Telephony covering Analogue, Digital, IP Telephony or Hybrid solutions.

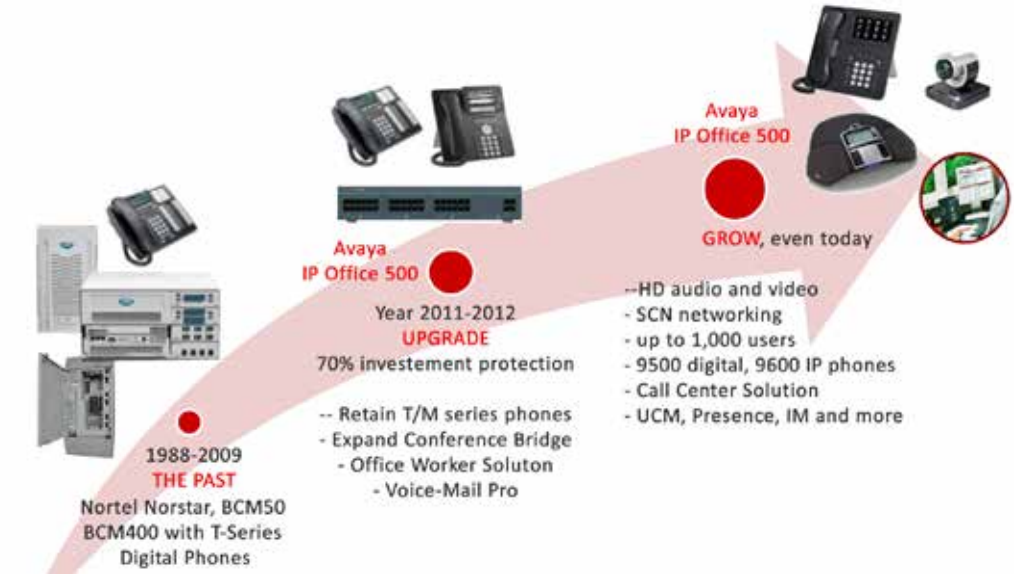
IP (Internet Protocol) is the medium by which most data communications are now carried. IP Telephony and VoIP have been around for some years now and it is growing day by day.

SPS in cooperation with AVAYA is capable of offering feature rich IP telephony solutions that will enhance employee productivity and reduce communication costs.

SPS scalable IP telephony solutions offer the same high quality communications whether an enterprise has a few or 100,000 users. Our flexible architecture offers an unparalleled range of deployment options. Our wide range of resiliency tools minimizes costs and maximizes reliability. IP telephony solutions provided by SPS include but not limited to the following:

- Installed Base Solutions.
- New Site Deployment Solutions.
- IP and TDM connectivity Solutions.
- SIP Connectivity Solutions.
- Mobility Solutions.
- Unified Management.







UNINTERRUPTIBLE POWER SUPPLIES (UPS):

SPS provides a complete range of both 1-phase and 3-phase UPS products to ensure a constant supply of clean and reliable power for mission critical and industrial applications. In addition to the wide range of UPS systems, SPS offers project management, planning services for end-customers and consultants, and comprehensive UPS support services.

An uninterruptible power supply or uninterruptible power source (UPS) is an electrical apparatus that provides emergency power to a load when the input power source or mains power fails. A UPS differs from an auxiliary or emergency power system or standby generator in that it will provide near-instantaneous protection from input power interruptions, by supplying energy stored in batteries, supercapacitors, or flywheels. The on-battery run-time of most uninterruptible power sources is relatively short (only a few minutes) but sufficient to start a standby power source or properly shut down the protected equipment. It is a type of continual power system.

A UPS is typically used to protect hardware such as computers, data centres, telecommunication equipment or other electrical equipment where an unexpected power disruption could cause injuries, fatalities, serious business disruption or data loss. UPS units range in size from units designed to protect a single computer without a video monitor to large units powering entire data centres or buildings.

Modern industrial and commercial businesses require more and more high technology, both in equipment and in control functions. This consequently, means high investment and the increasing importance of continuous operation guaranteed by uninterrupted power.





CAR PARKING MANAGEMENT SYSTEM:

SPS provides design and implementation of Modern industrial car parking management systems. By having car parking system customers will have space saving, cost saving, additional safety & comfort parking. KEYTOP is one of the world's largest providers of Parking Guidance and Vision Based Parking Management Systems. KEYTOP has led the industry in parking guidance technology innovation, delivering the most comprehensive product range and solutions in the parking industry such as the latest technology in parking guidance systems and vehicle tracking systems.

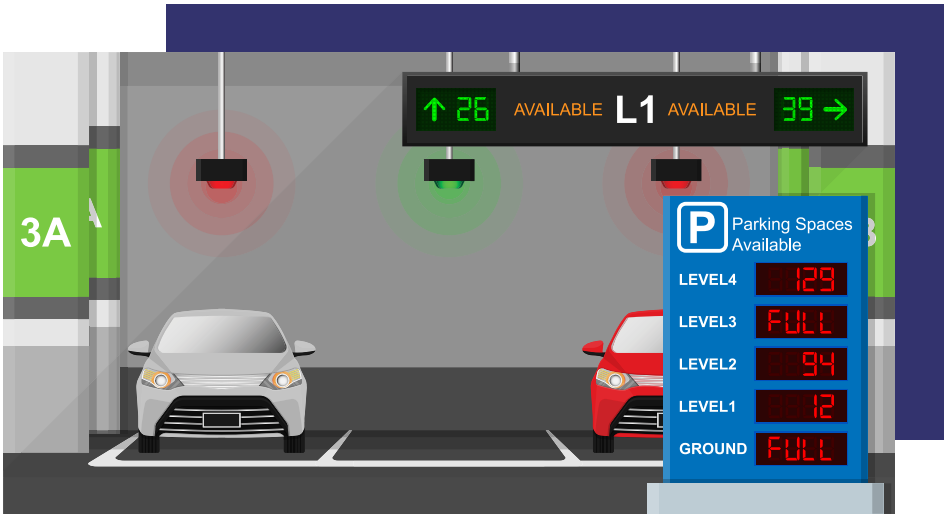
Our system is economic to construct and maintain and take account of all service requirements. We optimize the use of parking space and design a system that most suitable for your facility. Quite simply, when it comes to Smart Parking, we do it better, faster and more cost effectively.

COMPLETE SOLUTIONS FOR YOUR BUSINESS:

Keytop parking management system is economic to construct and maintain and take account of all service requirements.

Since established, Keytop has constantly innovated to develop state-of-the-art systems that make parking efficient for users as well as profitable and easy to manage for operators.Keytop provides one-stop smart parking solutions that will enable a perfectly automated carpark management.

- **ANPR-BASED ACCESS CONTROL**
  Non-stop entry and exit with car plate number as the virtual ticket.
- **REPORTS & STATISTICS**
  Easy parking management and planning through professional data analyses and reporting.
- **AUTOMATED PAYMENT**
  Pay-on-foot stations, mobile payment and third party integration.
- **OPTIMIZED BUSINESS PROCESSES**
  Monitoring and operating in real-time with Keytop mobile application and real-time alert features.
- **HIGHER TRAFFIC FLOW & SECURITY**
  Parking guidance system for informed parking and easy car-finding. Providing optional security option for car owners.
- **VALUE-ADDED MARKETING & SALES CHANNELS**
  Providing big data, and car park advertisement opportunities to generate more revenue.





AUDIO VIDEO SYSTEMS:

SPS designs and integrates today's most advanced interactive audio-visual tools. With strategic technology partners across the region, SPS integrates the electronic systems and infrastructure that enable voice, video, data and control communications across a common network.

SPS provides consultancy services that include needs, assessment, physical surveys, conceptual system development, engineering, specifications and documentation. SPS provides practical and innovative solutions for all types of applications: control centres, data visualization, integrated security and facilities management, networked media and data centres, video conferencing and eLearning.

Our strengths lie in our sound technical know-how and well-rounded expertise, and we apply these competencies to deliver excellence in Audio Video & Automation Solutions that are technically superior, user-friendly and commercially viable.

- Most important of all, we always care to future proof our clients for technology trends
- Design & Implement Projects from Conception to Completion
- Professional Personal Client Related Service covering all Small to Large Scale Projects
- Use Tried & Tested Methods & Products in maintaining a true & valued "Healthy Client Relationship"
- Meet & Surpass Client Expectations, as our future opportunities depends on our Clients
- "True & Honest Advice at all Times" in meeting Current Demands, in an ever evolving Technology Service Market
- Provide Creative Talented Mind-sets, which match and surpass client's goals







BACKGROUND MUSIC SYSTEM:

SPS provides consulting, design, and installation of Background Music systems. A background music system provides sound to create atmosphere in a venue, and is usually used for music or media playback. A background music sound system would commonly be installed in venues such as restaurants, hotels, shopping centres, retail stores, airports, sports centres, and gymnasiums.

A background music system would commonly consist of flush mount, surface mount and/or pendant mount speakers. Depending on the brand specified and the fixtures, any combination of these speakers can be used. Not only is a background music system for music or media playback, with the right quality and capability of speakers, the system can also be used as a paging / public address system (PA system).

When designing a background music system, we essentially consider how the venue is to be used, as well as the mood that is trying to be created.

We believe that a well designed and installed background music system can make any environment more comfortable and complement the mood of the venue. For example, customers may linger longer, ordering more products when the mood is comfortable and relaxing.





GRMS - GUEST ROOM MANAGEMENT SYSTEM:

SPS provides consulting, design, and implementation of INNCOM Guest Room Management Systems (GRMS). GRMS provides an innovative and efficient way to control the lighting, heating/cooling, curtains, TV, Music System, Radio and hotel guest services through intuitive buttons or touch screen/panel interfaces.

The GRMS can be interfaced to the hotel software or Hotel PMS, Thus providing to automatically set the preferred temp., lighting, ambience settings as soon as guest check-in is shown; it can be integrated also with the Building Management System (BMS) and the Property Management System (PMS) in order to enable global management of the building and the hotel's operations.

The main advantage of using a Guest Room Management System (GRMS) is to improve guest satisfaction & loyalty, Increase room revenue and save significant energy from 20% to 50%.

GRMS is a must-have technology for full-service hotels, resorts, mid-scale hotel, limited-service hotel, business hotels, Eco hotels etc.







STAGE LIGHTS SYSTEM:

SPS provides consulting, design, and implementation of Stage lighting Solutions. Stage lighting, is lighting that is needed to light up a stage, and it's a powerful tool for all events; it's a way to increase attention at the intended event and used to highlight people, stage backdrops and props, and more!

TYPES OF STAGE LIGHTING

AUTOMATED LIGHTING

Automated lighting can be a flexible and economical alternative to stationary lighting. It's perfect for events in a theater, restaurants, retail stores, and sports centres.

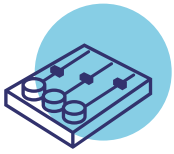
CONVENTIONAL FIXTURES AND SPOTLIGHTS

Unlike automated lighting, conventional lighting fixtures provide only one function, and that's illumination. We recommend conventional lighting for conferences, company events or large seminars where there's only one person speaking at a time.

LED LIGHTING

LED lighting is the most energy-efficient way of lighting an event. On-stage performers appreciate the comfort of LEDs, as they emit very little heat and they rarely need replacing.

SYSTEM COMPONENTS:



MIXING CONSOLE



DECOR LIGHTING



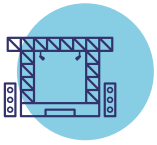
DIMMERS



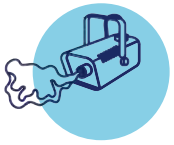
MOTORS & LIFTS



BACKDROPS



TRUSSES



ATMOSPHERE &
SPECIAL EFFECTS



DIGITAL SIGNAGE SYSTEM:

SPS provides consulting, design, and implementation of Digital display technologies such as LCD, LED, projection, and e-paper to display digital images, video, web pages, weather data, restaurant menus, or text. They are used as a network of electronic displays that are centrally managed and individually addressable for the display of text, animated or video messages for advertising, information, entertainment and merchandising to targeted audiences.

DIGITAL SIGNAGE IS COMPRISED OF THREE KEY COMPONENTS:

CONTENT

An inventory of audio, video, image, graphics, text, and more, assembled to tell unique stories for any number of unique intents.

HARDWARE

The physical, tangible components like screens, mounts, payment devices, printers, cameras, etc.

SOFTWARE

The digital infrastructure enabling the creation, deployment, management, and analysis of content deployed on the hardware.

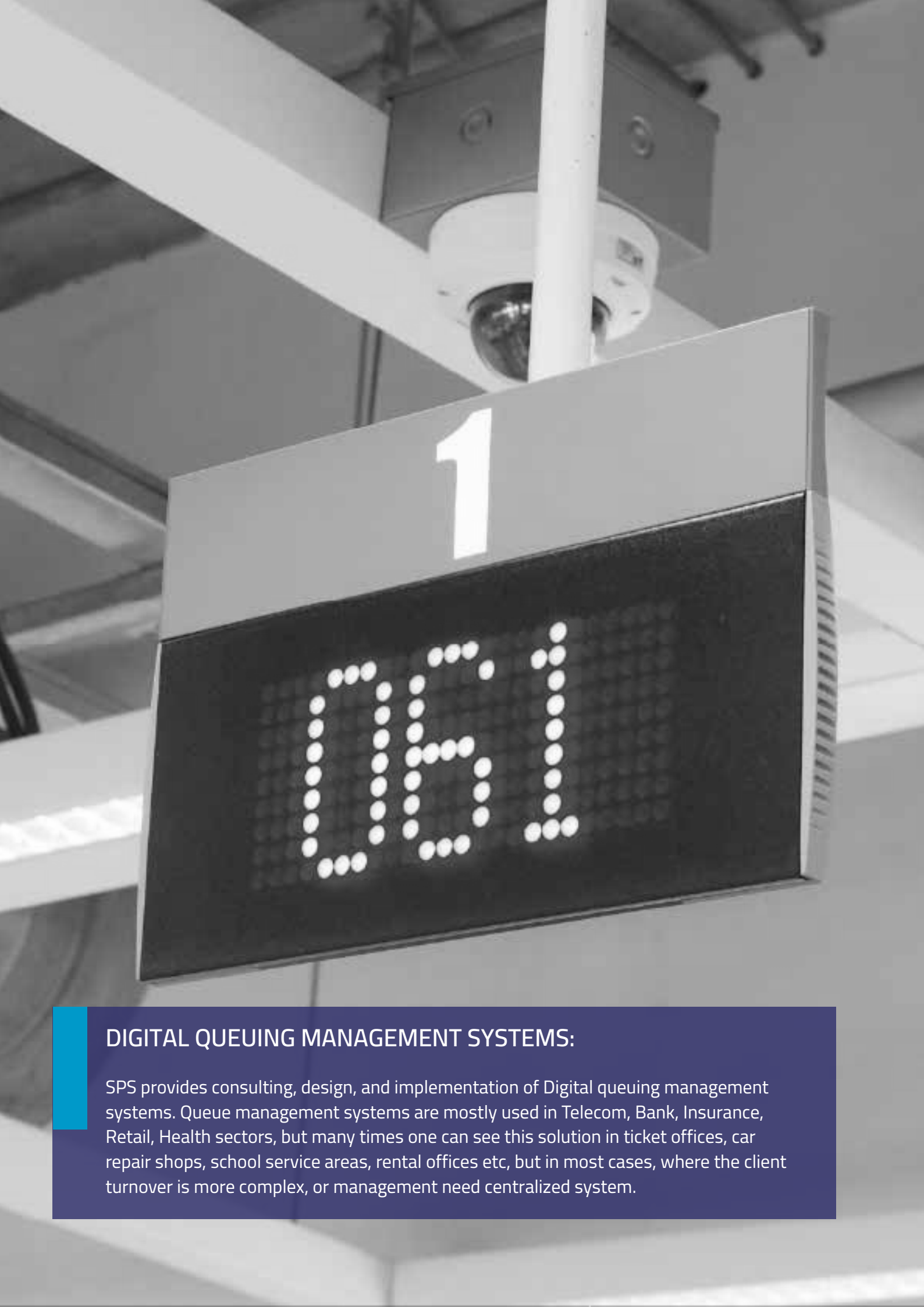


ROOM SCHEDULING

- Single cable PoE+ installation
- Dual USB
- A full range of security standards including 802.1X, TLS, FIPS-140-2, SSH, and SFTP
- Web-based set up (no programmingrequired)
- Set up once, scale up through Crestron XiOCloud® – A cloud based management platform that enables:
  a. Set up once, scale up to mass roomdeployment and management
  b. Remote control of any touch screen







DIGITAL QUEUING MANAGEMENT SYSTEMS:

SPS provides consulting, design, and implementation of Digital queuing management systems. Queue management systems are mostly used in Telecom, Bank, Insurance, Retail, Health sectors, but many times one can see this solution in ticket offices, car repair shops, school service areas, rental offices etc, but in most cases, where the client turnover is more complex, or management need centralized system.

Queue management systems are mostly used in Telecom, Bank, Insurance, Retail, Health sectors, but many times one can see this solution in ticket offices, car repair shops, school service areas, rental offices etc, but in most cases, where the client turnover is more complex, or management need centralized system.

Customer identification is a key point in customer relations, Digital queue management systems provides various tools to gain basic information of clients, and this data appears on the clerk's keyboard at calling the client.

Businesses often suggest for the clients to book appointment in order to avoid crowd and timely waiting. Appointment system makes the human resources more effective with calculable schedules for the day. There is optional automatism available in the system, called rule. With the help of the flexible rules, management are informed instantly about extreme events happened in the branch by SMS or by email. Also SMS is used in the system to inform clients about the remaining waiting time. Ticket dispenser is often used as a marketing tool, advertisements can be displayed on its monitor.

DIGITAL QUEUING IS COMPRISED OF THE FOLLOWING KEY COMPONENTS:



MAIN MODULE



TICKET DISPENSERS



WAITING AREA DISPLAYS



COUNTER DISPLAYS



KEYBOARDS



SPECIAL ELEMENTS



DOOR LOCKING SYSTEM:

SPS provides consulting, design, and implementation of modern Door Locking System to provide security and control access authorization whether in hotels, administrative buildings, production plants, public institutions, hospitals, commercial or private buildings.

Electronic door locks can be controlled, monitored remotely and integrated with GRMS to facilitate the building management and energy saving.

Electronic door locks are a way to replace keys or to add additional automation features, like remote locking or unlocking. Although most commonly found on cars, many cutting-edge security providers are offering electronic door locks for homes and businesses.

Electronic door locks involve parts called “actuators,” which connect the bolt or the cylinder to a small motor completely buried within the door or frame itself. The motor is controlled by an electrical impulse, which may be triggered in a number of ways: by an electronic card reader, by a keypad or by a wireless remote control sensor. Either way, the electronic door lock is configured to start the motor-driven actuator only once it has received the correct electronic input.

On most electronic door locks, you’ll find some combination of physical and electronic locking control on the same door. For example, you may have a physical key for setup and emergency backup, but use the remote or keypad to lock and unlock the door on a day-to-day basis. This provides an extra layer of convenience and safety for the user, but may also provide additional functionality as well.



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by Honeywell


Ex-Or
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VESDA
by xtralis


Phoenix Controls


FERMAX


HIKVISION
SAMSUNG
LG
QSC


SHURE
Optoma
DA-LITE
BOSE


biamp.
Extron.
CHRISTIE
DIGITAL SYSTEMS
logitech


Honeywell | INNCOM
NEC
Absen


dormakaba
BOSCH
CRESTRON

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King Faisal Specialist Hospital & Research Centre
Gen. Org.

جامعة الملك سعود
King Saud University

مجمع الملك عبدالله الطبي بجدة
King Abdullah Medical Complex Jeddah

مستشفى المواساة
Mouwasat Hospital

برنامج مستشفى قوى الأمن
Security Forces Hospital Program

د. سليمان الحبيب
DR SULAIMAN AL HABIB
medical group المجموعة الطبية

المملكة العربية السعودية
وزارة المالية
MINISTRY OF FINANCE

وزارة الدفاع
MINISTRY OF DEFENSE

KAFD

NEOM نيوم

AMAALA

الهيئة العامة للطيران المدني
General Authority of Civil Aviation

الهيئة العامة للغذاء والدواء
Saudi Food & Drug Authority

Ministry of Labor
and Social Development
Kingdom of Saudi Arabia

معادن MA'ADEN
شركة التعدين العربية السعودية
Saudi Arabian Mining Company


موانئ
MAWANI
الهيئة العامة للموانئ
SAUDI PORTS AUTHORITY


هدف
صندوق تنمية الموارد البشرية


غرفة الشرقية
ASHARQIA CHAMBER


أرامكو السعودية
saudi aramco




الرياض
أمانة منطقة الرياض


مستشفى الدكتور سمير عباس
Dr. Samir Abbas Hospital


مستشفى الموسى التخصصي
Almoosa Specialist Hospital


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Ministry of Higher Education




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Ministry of Education


المؤسسة العامة للتدريب التقني والمهني
Technical and Vocational Training Corporation


وزارة العدل


KINGDOM OF SAUDI ARABIA


الهيئة العامة للسياحة والتراث الوطني
Saudi Commission for Tourism & National Heritage



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