











Contents

Corporate Profile /Mission & Goals	04
Professional Assurance /Our Range of Service	05
Facility Electrical Protection : Six Point Plan	06-07
Lightning Protection System : ERICO [®] ; SYSTEM 3000	08
Lightning Protection System : ERICO [®] ; SYSTEM 2000	09
Lightning Protection System : ERICO [®] ; SYSTEM 1000	10
Surge Protection System : ERICO [®]	11
Grounding System : ERICO [®]	12
Fire Alarm System : SIEMENS	13
Fire Alarm System : NITTAN	14-15
Fire Alarm System : HOCHIKI	16
Fire Extinguishing System : SIEMENS ; N ₂ , FM200, CO ₂	17
Sound System : ATEIS	18-19
The Falcon Spider Crawler Lifts : TCA	20-21
CCTV System : Panasonic	22
CCTV System : SIQURA	23
Nurse Call System : COMMAX	24
Projects Reference	25





Corporate Profile

Boswell Connection Group Co.,Ltd., founded in 1994 with an aim to become a total solution for Fire and Security System, Lightning Protection system and Surge Protection System. The company policy emphasizes on good quality and standard of work. An more than 23 year experience enables us not only supply of equipment but also provide design, installation and maintenance as well. Which is the protection and supplement industry for safety in life and property in high buildings and industrial plants. Until now we expand the scope of service to Building and factory utility systems such as Grounding System, Fire Extinguishing System, CCTV System, Nurse Call System and RTRC Conduit etc. Now, with the registered capital of 50 Million Baht. Today Boswell's Group have service employing 40 employees. Each of Boswell's core businesses holds a leadership position in its specific market.

Mission & Goals

We will increase the value of our company and our portfolio of diversified brands by exceeding customers' expectation and achieving market leadership and operating fully integrated fire, security and safety business, which encompasses fire, security and safety based and total engineering services, confident of being a regional leader and s high performance organization with accountability, integrity, and optimum stakeholder returns, within a value-driven corporate culture. Fully understand and exceed our customers' needs, wants and preference and provide greater value to our customers than our competition.



Professional Assurance

We support electrical consulting engineers, architects and contractors through our extensive product documentation and specification guidelines. Continuous training of our reseller channel partners further maximizes this extensive support. The management team comprises of fully qualified professionals with extensive hands-on experience and expertise. Together with its well-trained support staff, Boswell provides quality service and solutions that meets your demanding quality power needs.

Our range of services

- -Sales and Services
- -Design, Consults, Installation for the systems with the certifier and experience engineers.
- -Services and preventive maintenance, test the systems follow the National and International Standards.
- -Training for suitable systems vary on customer needs.



FACILITY ELECTRICAL PROTECTION

PENTAIR **ERICO**





FACILITY ELECTRICAL PROTECTION



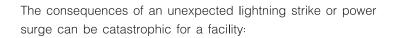


With over 60 years of research, testing and product development, Pentair/ERICO has acknowledged that no single technology can totally eliminate vulnerability to lightning and surges.

The Pentair/ERICO Six Point Plan of Protection is designed to provide total facility protection by integrating several concepts.

The Six point Plan will minimize the risk of damage to facilities through:

- Direct Strike Protection
- Grounding and Bonding
- Surge and Over-voltage Transient Protection



- Personnel are at risk
- Critical equipment may be damaged, or destroyed
- Data can be corrupted
- The costs of operational downtime and lost revenue can be very substantial.

As industries become more dependent on increasingly sensitive equipment, proper protection from lightning and dangerous over-voltage transients is necessary.









SYSTEM 3000

PENTAIR ERICO

LIGHTNING PROTECTION PRODUCTS

The ERICO SYSTEM 3000 is a technically advanced lightning protection system. The unique features of this system allow the achievement of reliable lightning capture and control.

The ERICO DYNASPHERE air terminal provides a preferred point for lightning discharges which would otherwise strike and damage an unprotected structure and/or its contents. The ERICO DYNASPHERE is optimally connected to an ERICO ERICORE downconductor and low impedance grounding system in such a way as to provide a totally integrated system.

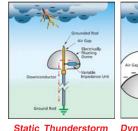
ERICO SYSTEM 3000 includes the following elements:

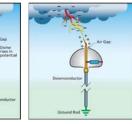
- ERICO DYNASPHERE air terminal
- ERICO ERICORE downconductor
- Lightning event counter
- Purpose designed low impedance grounding system.

Principles of the ERICO DYNASPHERE

For more than 200 years, little improvement was made in lightning protection systems. However, modern research and recording methods have led to an improved understanding of the lightning discharge process, and various advancements have been achieved in the simulation of lightning electric-field conditions. Two fundamental concepts have emerged from these advancement in the lightning attachment process and air terminal performance.







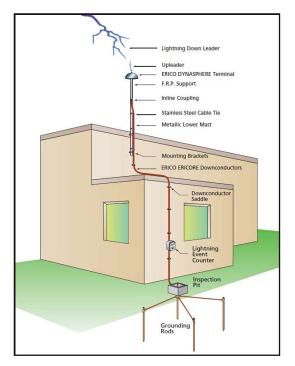
Static Thunderstorm Phase

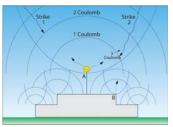
Controlled Triggering Dynamic Thunderstorm Streamer Phase

 Air terminals that produce copious quantities of corona (space charge) are less efficient strike receptors.

Phase

• An optimum air terminal is one which launches an upward streamer when the ambient electric field is at a level to support the continual propagation of the leader.







- Features include:
- Non-radioactive technology
- No external power required
- No moving parts

· Selection of tip radii and variable impedance to adjust for optimum performance at different installation heights

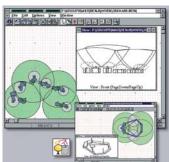
· Dynamic response to the approach of a lightning downleader

ERICO SYSTEM3000 Supported by Collection Volume Method Placement (CVM)

The Placement of air terminals on structures is often performed with the Rolling Sphere Method (RSM), which is based on the simple Electro Geometric Model (EGM) for striking distance

The Collection Volume Method defines the lightning "capture volume" of potential strike points on a structure. This method is used in conjunction with the ERICO SYSTEM3000 lightning protection system but is equally applicable for the placement of conventional terminals

LPSD Lightning Protection Design Software







SYSTEM 2000

PENTAIR **ERICO**

FEATURED LIGHTNING PROTECTION PRODUCTS

Pentair's innovative technology provides two systems for capturing lightning energy. The ERICO SYSTEM 2000 provides conventional air terminal technology to meet traditional needs.



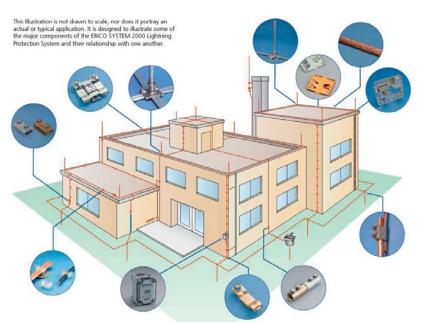
Pentair offers the **ERICO SYSTEM 2000** series of air terminals, down-conductors and fittings in accordance with National and International Standards such as Australian-AS1768, Singaporean-CP33, IEC®/EN 62305-3 and USA-NFPA® 780.

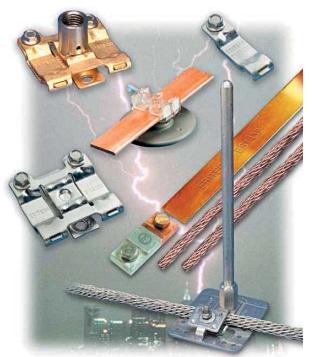
Features:

• Wide range of air terminals, bases, conductors, connectors and fasteners

- Air termination components and fittings are available in copper and aluminum
- Downconductors are available as stranded or flat tape construction
- Computer-aided design optimizes the location of air terminals
- providing the most effective lightning-protection coverage.
 Based on conventional design principles rolling sphere, cone of protection and mesh method as found in AS1768,
- IEC®/EN 62305-3, CP33 and NFPA® 780

• Precision manufacturing helps ensure easy assembly and installation











SYSTEM 1000

PENTAIR **ERICO**

ESE LIGHTNING PROTECTION PRODUCTS

ERICO INTERCEPTOR ESE i-Series generates controlled magnitude and frequency pulses at the tip of the terminal during high static fields prior to a lightning discharge. This enables the creation of an upward leader from the terminal that propagates toward the downward leader coming from the thunder cloud.

The ERICO INTERCEPTOR ESE i-Series has been extensively tested at an independent high-voltage laboratory in accordance with the revised 2011 requirements of French NFC 17-102. The testing, as defined in the standard, was designed to simulate naturally occurring conditions and allow comparison of the performance between differing types of lightning protection systems.

Features

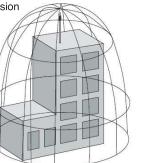
- · Designed and tested to NF C 17-102 and similar standards
- 304 stainless steel design suitable for most environments
- · Available in three models to suit specific site requirements

• Suitable for use with a variety of downconductor systems, including tape, cable, smooth- weave, Isolated Downconductor (ISODC) and ERICO ERICORE conductor

ERICO INTERCEPTOR i-series ESE

Early Streamer Emission Lightning Terminal

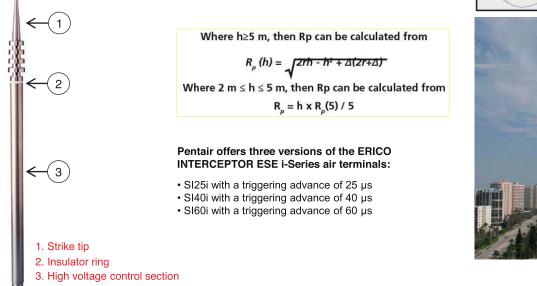
According to the NF C 17-102 and similar ESE standards

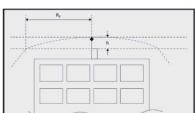


Protection Level	Protection Level I (99%, D = 20 m)			Protection Level II (97%, D = 30 m)			Protection Level III (91%, D = 45 m)			Protection Level IV (84%, D = 60 m)		
Model	SI25i	SI40i	SI60i	SI25i	SI40i	SI60i	SI25i	SI40i	SI60i	SI25i	SI40i	SIGOi
ΔT (µs)	25	40	60	25	40	60	25	40	60	25	40	60
h (m)	Rp (m) Protection Radius											
2	17	23	32	19	26	34	23	30	40	26	34	44
3	25	35	48	26	39	52	34	45	59	39	50	65
4	34	46	64	39	52	68	46	60	78	52	67	87
5	42	58	79	49	65	86	57	75	97	65	83	107
6	43	59	79	49	66	86	58	76	97	66	84	107
7	44	59	79	50	66	87	59	76	98	67	85	108
8	44	59	79	51	67	87	60	77	99	68	86	108

Protecting Areas

According to NF C 17-102:2011, the standard protection radius (Rp) of the ERICO INTERCEPTOR ESE i-Series is linked to Δ T (below), the protection levels I, II, III or IV (as calculated in EN 62305-2) and the height (h) of the ERICO INTERCEPTOR ESE i-Series above the structure or feature to be protected (defined by NF C 17-102 as a minimum 2 m).









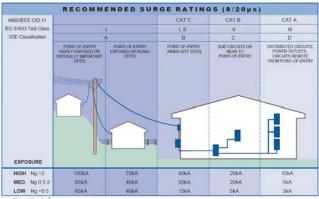


SURGE PROTECTION SYSTEM

By following the Six Point Plan of Protection, Pentair/ERICO customers are able to implement the most effective solutions to individual lightning, grounding and surge problems while retaining an integrated protection philosophy.

Point 5 of the Six Point Plan advocates a coordinated approach to surge protection, where the first stage of defense is the installation of primary protection devices at the mains supply service entrance, followed by secondary protection at distribution branch panels and where necessary, at point-of-use applications.

Point 6 recognizes the need to provide effective surge protection on cables supplying telecommunications, signal and data management equipment.



Ng = strikes/km²/yea



As a protection solutions provider, Pentair also offers protection systems and consultancy services to suit specific industry applications ranging from power conversion for the telecommunications industry to plug-in power line filters for the home/small office environment.





Laboratories Inc.

Critical Factors

Critical factors need to be considered when determining the need for facility protection. Many factors can be determined by answering the following questions:

- What is the risk to personnel?
- What is the risk of equipment damage?
- What are the consequences of equipment failure?
- Is the equipment associated with an essential service?
- How will equipment failure affect overall facility operation and revenue generation?

What are the legal implications of providing inadequate protection?

Pentair/ERICO facility electrical protection products are designed to provide comprehensive protection against surges of up to 20kA on telephone subscriber lines, industrial process control lines, coaxial feeders, computer networks and serial data circuits.





GROUNDING PRODUCT AND SYSTEM

PENTAIR **ERICO**



Grounding & Bonding

For the efficient performance of a lightning protection system, it is essential that a low impedance ground be provided to facilitate the dissipation of the lightning energy into the earth mass.

Because soil conditions and seasonal patterns vary from site to site, the methods of grounding need to be considered on an individual basis.

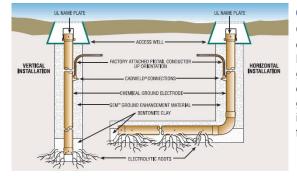
As a grounding specialist, Pentair/ERICO provides a range of grounding systems to suit any application.

ERICO CU-BOND ROUND CONDUCTOR

ERICO CU-BOND Round Conductor is manufactured with the highest quality materials according to internationally recognized standards.

- UL Certified to IEC®62561-2, Requirements for Conductors and Earth Electrodes.
- Meets the requirements of IEC® 62305-3, Edition 2, for Lightning Protection.
- Materials manufactured according to ASTM 370 to confirm steel quality and ASTM 376 to verify copper thickness.
- Meets the requirements of IEC 62305-3, Edition 2, for Lightning Protection.





Chemical Ground Electrode 👊

Chemical ground electrodes provide a low impedance ground in locations of high soil resistivity and dry soil conditions. Used in conjunction with a Bentonite backfill and ERICO's unique GEM material, the ERICO chemical ground rod electrode systems provide a method to improve soil resistivity directly surrounding the electrode, and can replace multiple conventional ground rods. It maintains a low ground resistance, maintenance-free installation that dissipates lightning energy and other dangerous electrical fault currents, even in sandy or rocky soil conditions.

GEM iround Enhancement Material informs to LEC 62561-7

GEM Ground Enhancement Material

GEM is a low-resistance, non-corrosive, carbon-based superior conductive material that improves grounding effectiveness, especially in areas of poor conductivity such as rocky ground, mountain tops and sandy soil. GEM is also the answer in situations where ground rods can't be driven or where limited land area makes adequate grounding difficult with conventional methods.



CADWELD PLUS



Installation Is Easy!

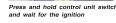
4 Simple Step For Permanently Welded Electrical Connections



insert CADWELD PLUS Attach control unit termination clip backage into mold to ignition strip (may require use of cover/baffle)









Open the mold and remove the expended steel cup – no special disposal required

12 Boswell











FireFinder XLS System

Nothing protects people and property like a FireFinder® XLS system. When a fire is detected anywhere in the building, the panel is instantly alerted. In less time than it takes to draw a single breath, alarms are activated and emergency control operations are engaged, including fire door closure, elevator capture and air handler shut-off. When first responders arrive, the FireFinder XLS displays the critical information they need to make potentially life-saving decisions, courtesy of an industry-leading 6-inch, full-color LCD that provides crystal-clear, easy-to-read text on screens color-coded by event type. Floor plans, hazmat icons and available actions are also accessible via intuitive on-screen menus.

Cerberus PRO

Cerberus[™] PRO offers four fire control panels. They answer the different requirements from small and simple to large and complex application sites. All fire control panels can either stand alone or be networked. Even redundant, EN 54-approved networks are possible thanks to the Ethernet technology that is built into every panel.

The fire control panels process all system messages and trigger alarms. Every model provides a simple user interface and customizable user prompting texts. This makes the control panels easy-to-operate – and safe and correct action is ensured in case of an event. In addition, remote access for remote operation and servicing is possible.





MM8000 – the danger management station

MM8000 enables centralized alarm management and supervision of a broad range of fire safety, electronic security and control systems. All are displayed in a uniform and clearly structured manner. Alarms and messages are listed according to security-relevant priorities, so operators have all relevant information at a glance. And in case of an event, MM8000 guides the user step by step through predefined procedures. Thanks to a user-friendly engineering tool, MM8000 can be configured quickly and easily. Moreover, MM8000 is a highly flexible and scalable danger management station that can be adapted to changing requirements any time.



Fire Alarm Systems

Our fire protection, detection, notification and suppression systems are the answer to protecting your people and property.







SPERA™ is derived from the Latin word 'spera' which means hope and trust.

NITTAN has 60 years' history since 1954. We are one of the largest company in the fire protection industry in Japan. NITTAN has 40 years' business history in the United Kingdom

Since NITTAN (UK), LTD was established in 1972. We are the first manufacture which started this business in the country. - Our detectors, used in the aircraft and ships, have a large market share in those fields which require high reliability products.

- NITTAN detectors are equipped in the Shinkansen (Bullet train) in Japan.

- NITTAN's communication protocol is proved to be highly reliable in many countries.

S₽ERA™

SPERA[™] is a 'next generation'

modular network system that is designed for the most demanding fire protection and emergency communications applications. SPERA[™] introduces an impressive new range of system configurations, including a wide array of cabinets and sizes for control and annunciation requirements.

OVERVIEW

Modular System Design

SPERATM is designed to be highly versatile and can be customized with a wide array of adder modules to meet various needs of applications. Maximum 8 display/control modules and 7 loop driver cards can be added in a single panel. In addition, the base panel supports maximum 16 conventional circuit adder modules such as initiating circuit module, indicating circuit module and relay circuit module.

EVA series Detectors and Modules

SPERA[™] supports Nittan's EVA series intelligent detectors and modules, which are the industry's most advanced, highly reliable devices. EVA series smoke detectors incorporate a unique technology developed by Nittan, that is, dual optical sensing method to reduce false alarm and special smoke chamber to respond equally to various type of smoke from a fire.

Expandable, Networkable Fire Alarm System

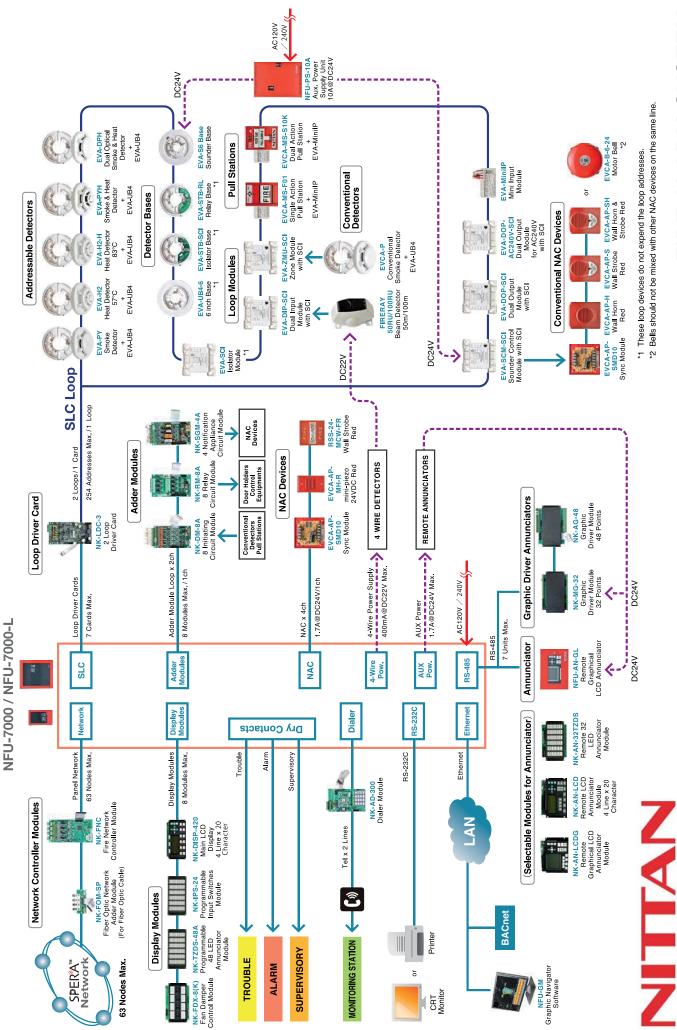
SPERA[™] fire alarm panel is expandable to maximum 14 loops (7 loop cards) in a single panel. The network interface module allows SPERA[™] to make a large peer-to-peer network fire alarm system with maximum 63 panels, that support up to 224,000 addressable devices.

For commercial building, BACnet interface allows SPERA[™] connection to BMS. SPERA[™] is an ideal fire alarm solution from a small size to a large size project with multiple buildings.











Hochiki is a product developer, system designer, installer as well as being a distributor and a maintenance contractor. We are entrusted with peoples lives and property, and have since foundation, consistently built up reputable service company.













HOCHIKI

- Multi purpose zone configuration
 - Versatile zone configuration to suit various alarm need. (Zone 1 is preset and fixed for fire alarm only)
- · Light weight and compact in size
- Easy installation
- By means of 'Wire Insertion' terminals
- Wide internal cabinet space of easy wiring
- 180 degree wide panel door opening
- Improved local bell control with programmable 'silence' timer
- •Time delay function

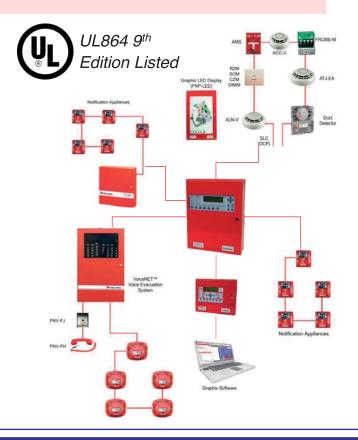
New function

- Improved lightning surge protection
- Easy configuration of local bell and interlock release control, which can be monitored from the zone panel.
- Functional test equipped with 2 reset modes for heat and smoke detectors.
- 'Hands-free' intercom communication at control panel
- Voltage display for ' Stand by Battery' test
- Sound alert during 'Time Delay' operation
- Optional per-alarm alert for 'Time Delay' operation
- Zone open circuit monitored

HOCHIKI AMERICA CORPORATION

THROUGH OUR SOPHISTICATED LIFE SAFETY, FIRE DETECTION AND EMERGENCY DEVICES, PEOPLE'S LIVES AND PROPERTY ARE KEPT PROTECTED, HELPING MAKE THE WORLD A SAFER PLACE TO LIVE. WE STRIVE TO IMPROVE THE LIFESTYLE OF EACH EMPLOYEE, STOCKHOLDER, AND MEMBER OF THE COMMUNITY.

At the backbone of the FireNET® analog addressable system is the FireNET® control panel itself. Utilizing Hochiki's patented Digital Communication Protocol (DCP), it allows for robust intelligent communication with other analog addressable products. An RS-485 bus provides communication to the panel network, while the RS-232 interface allows the convenience of programming via a PC.





FIRE EXTINGUISHING SYSTEM

SIEMENS





Sinorix – intelligent extinguishing solutions to keep fire virtual

A perfect fire protection solution requires technology and expertise. Sinorix intelligent extinguishing solutions, offer you the latest technologies based on long-term know-how and experience in fire detection and extinguishing from a global partner. The solutions are tailored to your individual needs to maximize business continuity. Fires are detected early and extinguished quickly and reliably. Sinorix highquality solutions protect people, environment, processes, and assets.

Sinorix N2-Ar-CO2-

automated extinguishing solutions with natural agents

Sinorix N2-Ar-CO2 bundle the long-term know-how from Siemens in integrated solutions from one source that also comprise a comprehensive service offering-from risk assessment, system design, installation and commissioning to maintenance. Sinorix N2-Ar-CO2 extinguishing solutions use pure natural agents as well as state-of-the-art technology for fast and reliable extinguishing without harming the environment. In addition, the extinguishing solutions with natural agents can be precisely tailored to the existing building structure, requirements and risks of fire thanks to their high flexibility regarding system planning and design.



automated extinguishing solution based on extinguishing agent HFC227ea (FM200) Sinorix 227 is a solution based on the worldwide known HFC 227ea with 25– and 42-bar technology. Thanks to the high-pressure technology, the cylinders can be installed away from the protected room ' thus allowing central positioning of the cylinder battery. HFC 227ea is an extinguishing agent that is highly effective at low extinguishing concentrations and that protects assets and people. It is chemically inert, has no electric conductivity, and is thus safe for electric and electronic equipment. The extinguishing concentration is also harmless for people. With an ozone depletion potential of o, it has no influence on the ozone layer. HFC 227ea is thermically and chemically stable when stored and can thus be used over a long time period.

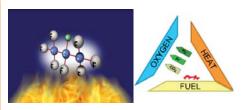
Sinorix 1230 -

automated extinguishing solution based on chemical agent Novec 1230

Sinorix 1230 is the latest generation of our chemical extinguishing systems, offering a range of unique features and benefits. This integral solution from one source also comprises a comprehensive service portfolio' from risk assessment, system design, installation, and commissioning to maintenance. Sinorix 1230 is based on a long-term, sustainable technology that has one of the highest safety margins and ensures quick and reliable extinguishing without negative impact on the environment, especially on global warming. The 42-bar technology from Siemens is space-saving and assures maximum design flexibility.











SOUND SYSTEM

IDA8



ATEÏS proudly introduces a highly integrated PA/VA system which has all the essential functionality to comply with EN54-16 and UL60065 requirements.

The IDA8 system offers a fully digital and networked PA/VA system with adjustable parameters within the digital domain. The IDA8C controller consists of an 8 input by 8 output networked control for the use in any installation size, whether is a small local system of 256 zones or a big complex multi-zone and multi-input system of 8,192 zones. All these functions are present within the main matrix to ensure high quality of audio production required at different ambient environment and sites.





Networkable PA/VA System Slave Unit - Switch Mode

REDUNDANCY SWITCHING UNIT

RU-Main

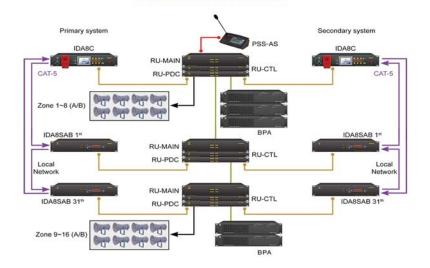
RU-PDC

Digital Audio Processing Unit with Paging Console Interface

RU-CTL Secured Audio IN/OUT Contacts Unit

Auxiliary Audio IN/OUT Contacts Unit with Paging Console & Telephone Line Interface

Full support for 100% redundancy and use of watchdog services guarantees maximum system availability with immediate switchover of primary to secondary not only by means of active spare amplifiers but also the control equipment. Should any main equipment fail there is an automatic switchover to the redundant system to ensure uninterrupted operation.



APPLICATION EXAMPLE FULL-REDUNDANCY CONFIGURATION 

SOUND SYSTEM



BOUTIQUE

The new EN54-16/UL2572 listed BOUTIQUE system from ATEÏS is a highly flexible, feature rich PA/VA system targeting small to large installations offering full monitoring of speaker lines, microphones, and amplifiers. Based on the latest DSP processing technology, the BOUTIQUE expands from a single controller, capable of as little as 4 zones, to a large networked system capable of 16,384 zones, making the BOUTIQUE suitable for a wide variety of applications.

DPM-T5

Touch Scree

CD-T5D

Wall-Mounted Touch Screen Paging Console

nable Paging Consol

DIGITAL PAGING CONSOLES

DPM-MAIN: Main Paging Console with Optional Bluetooth Module

DPM-EVA: EVAC Monitoring Speaker Pad DPM-KPD: Expansion Keypad

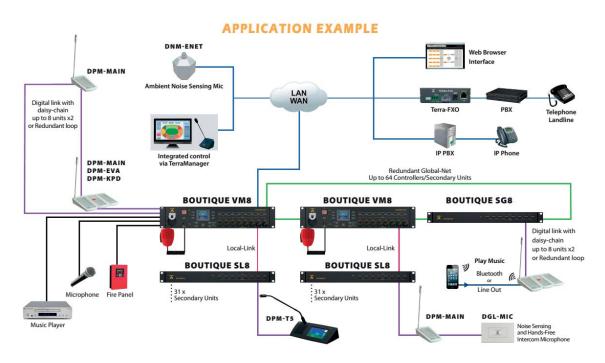
CD-8D/CD-16D

Wall-Mounted Paging Console

Integrated Scalable PA VA System



Utilizing switching technology, a BOUTIQUE system is capable of discrete paging into multiple zone from a single channel amplier. By adding a second, external amplier to the rst, it creates a background music channel and a back-up amplier channel at the same time. Additional ampliers add additional capacity for each channel.





The Falcon Spider Crawler Lifts



The Inventor Of The Original Spider Lift

The Falcon Spider Atrium Lift line of narrow, aerial, compact, atrium access lifts- or the "The Falcon Spider Atrium Lift Concept" as it is also known today – was developed and patented in the late 1970's by its former parent company E. Falck Schmidt A/S in Denmark. The goal was quite simple, to develop a lift that could pass through a regular door opening, obtain considerable work height in minutes, yet be light and flexible.

While the goal was simple, the solution of the new Falcon Spider Atrium Lift was not.



Safety being the Number One priority and the trademark of the company, it was crucial to find a solution that would offer maximum safety combined with an environment, as friendly as possible, for the operator. The result was the "The Falcon Spider Atrium Lift Concept", a compact spider lift that like its namesake sibling in nature can squeeze through very narrow places, and unfold when in position.





Consequently the lift can pass through an 1m wide and 2m high door opening, and when in place, the outriggers unfold like a spider's legs, providing safe support for the lift. A unique and patented safety system was developed at the same time, constantly monitoring the pressure of each individual outrigger. In case of insufficient support, the lift will automatically shut down and limit operations to those functions that will reestablish support and safe operations. While revolutionary in the 1970s it is today standard equipment on any Falcon Spider Atrium Lift Concept together with a secondary safety system.



In March 2005 E. Falck Schmidt A/S successfully merged with DENKA Lift A/S to form WORLDLIFT Industries AS. WORLDLIFT Industries combined the two lines to offer trailer and compact platform solutions from 22 to 52 metres working height.

In 2009 the owner of WORLDLIFT Industries, SKAKO A/S (holding company) decided a rebranding of all companies in the group, and SKAKO Lift A/S was created. At the same time it was decided to concentrate all activities in Odense, and start up a massive outsourcing project.

The above mentioned decisions to merge the Denka line with The Falcon Spider Atrium Lift line, and at the same time to establish a massive outsourcing project was more difficult and resource demanding than expected.









The Falcon Spider Crawler Lifts



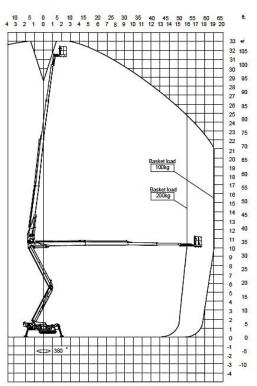


This has lead to the decision to put SKAKO LIFT A/S for sale.

By effect of September 1st 2011 the senior management of SKAKO LIFT A/S, Finn Schlitterlau and Thyge Mikkelsen, has bought The Falcon Spider Atrium Lift Concept activities under the name TCA LIFT A/S. The strong brands Falcon Spider Atrium Lift and ReachMaster are kept together with a strong team of highly experienced employees.

The aim for TCA LIFT A/S is to be one of the strongest players on the market with one of the best product programs. We develop, manufacture, deliver and maintain, on a global basis, systems and solutions which are superior in safety, functionality, technology and design, which enables our customers to conduct their tasks in a safer, better and more efficient way.

FS330Z



Key values TCA LIFT

Key values which in our past have, in our present time does and in the future shall influence actions of all our employees:

Reliability Trust

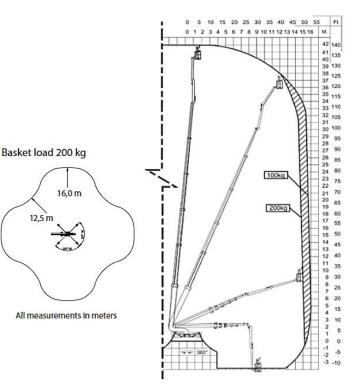
- We will only deliver reliable solutions
- We must act trustworthy in the eyes of our partners, colleagues, customers and suppliers
- We will stand up to our commitments

Innovation

- We will encourage innovative thinking -
- We will challenge the existing we can do it _ even better



F5420



12.



CCTV SYSTEM

Panasonic



Freely control where you monitor at will.

Install Panasonic's omnidirectional camera to select and monitor specific areas at will, reduce costs, eliminate blind spots, and enhance your surveillance quality, The 360-degree surveillance camera is programmed with various recording modes to be the ideal solution to satisfy such surveillance needs.



A surveillance system that can withstand harsh weather. Panasonic's Rain Wash Coating Technology provides users with clear surveillance image even during strong rain and poor vision. The dome-shaped cover softens the rain drops, which prevents the rain from distorting or obstructing surveillance images. Rain or shine, the advanced monitoring technology provides high-quality surveillance to ensure your security and safety.



WHY PANASONIC?

From the company that brought you the first security camera in 1957 and invented over a dozen industry standards, Panasonic provides industry-leading solutions to capture, record, manage and analyze surveillance video. Panasonic provides a comprehensive lineup of video surveillance products and solutions that offer the industry's highest picture quality, missioncritical reliability and the industry's lowest total cost of ownership. When it counts, you can count on Panasonic video surveillance products and systems to deliver.

Corventional Parasonic 9-MP 249-Degree Internet in the internet in the internet internet in the internet inter

High Resolution from Corner to Corner

Top quality imaging eliminates the blurriness of conventional cameras.

Panasonic's 4K surveillance camera provides users with the ability to simultaneously monitor a wide rage and accurately identify license plates and faces. With its outstanding high-definition images, this camera monitors a broad range of outdoor spaces and records clear image despite harsh weathers. Support you to ensure your safety and security with just a single camera to monitor a large space.



With Rain Wash Coating

Without Rain Wash Coating





CCTV SYSTEM



SURVEILLANCE SOLUTIONS

Market specific surveillance solutions



Oil & Gas Surveillance Solutions The oil & gas industry is a fast-moving world of drilling rigs and supertankers. The rewards are high. But so are the risks involved. Incidents that are not dealt with immediately may interrupt your operations and pose a threat to public safety. We offer a complete solution for the surveillance of your oil & gas location, from explosion-protected cameras to intelligent control room



Marine Surveillance Solutions

We offer a complete solution for the surveillance of your marine location, from rugged stainless steel cameras to intelligent control room software. All components are designed to increase situational awareness and help you detect incidents before they escalate.



Benefits

- Monitor wind farms, ships, cruise ship, ports and loading docks with our wide range of stainless steel cameras and surveillance cameras

- See in the dark with our ultra-low-light cameras

Benefits

surveillance cameras

- Transmit footage over vast distances using our fiber-optic equipment
- Automate the surveillance of unmanned platforms and substations with our perimeter intrusion detection (PID)
- Migrate from analogue to digital at a rate that suits you best

 Get remote access to all critical assets whenever, wherever
 Mix and match our products with a variety of security solutions manufactured by our sister companies in the TKH Group, including offshore cables, access control, lighting solutions and system integration



Mobility Surveillance Solutions

Monitoring traffic and public transport systems can be a real challenge. Stopped vehicles, wrong-way driving, lost cargo or smoke: events such as these need to be handled quickly and efficiently. Our broad range of surveillance cameras and video encoders deliver crystal clear images, allowing you to spot the tiniest details even in low-light situations. Get notified as soon as an incident is detected and reduce your response time by automating the decision-making process.

Benefits

- Enjoy crystal clear video with our wide range of surveillance cameras and video encoders

- Monitor hazardous areas, drilling rigs, winches, helidecks and loading docks with our wide range of explosion-protected cameras and

Transmit footage over vast distances using our fiber-optic equipment
 Automate the surveillance of unmanned platforms and substations with

offshore cables, access control, lighting solutions and system integration

Migrate from analogue to digital at a rate that suits you best
 Get remote access to all critical assets whenever, wherever
 Mix and match our products with a variety of security solutions

See in the dark with our ultra-low-light cameras

our perimeter intrusion detection (PID)

- Choose cameras with automatic incident detection (AID) to streamline traffic flow management
- Scan license plates and identify faces and objects with our advanced video management system
- Prevent costly replacements by choosing our vandalresistant cameras
- Peer into the darkest of tunnels with our ultra-low-light cameras
- Use our fiber-optic equipment to transfer video streams over great distances
- Migrate from analogue to digital at a rate that suits you best

Public Sefety

No two public spaces are alike. A surveillance setup that is perfect for one location might not work for another. We listens to your needs and helps you create an environment where people feel safe and protected, from shopping malls and sports stadiums to entire city centres. Our public safety solutions let you detect incidents, share video streams with authorised users and communicate directly with first responders in the field, all through one intuitive interface.



Benefits

- Capture highly detailed footage with our wide range of surveillance cameras and video encoders

 Use our perimeter intrusion detection (PID) to receive alerts whenever someone crosses a detection line or enters a detection zone

- Consolidate your surveillance equipment into a single seamless solution with Sigura's intelligent video management system

- Deploy our vandal-resistant cameras to safeguard high-risk areas

Migrate from analogue to digital at a rate that suits you best
 Transfer video streams over vast distances using our fiber-optic equipment





NURSE CALL SYSTEM

СОММАХ



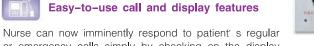


Nurse Call System

Main Receiver/ Central Controller/ Bed Console/ Operation room Interphone/ Radiation room Interphone

Prioritizing human lives - Human technology for happier world

world



Calling device helps patients to easily contact or alert nurses incase of

or emergency calls simply by checking on the display showing patient profile stored in the device.

1

Automatic call-transfer

emergency right from the bed.

Up to 2 missed calls can saved and displayed when the main receiver is busy. Missed calls will be transferred automatically by sequence after the previous call.



Broadcast throughout interphones and wards

Broadcast throughout inter-phones is possible by simply pressing a button on the main receiver of the station. Also, broadcast throughout the entire hospital is possible by the main receiver's handset.



Restroom (Shower booth) call

Corridor light switches on and the receiver's alarm goes off with illuminating LED when the restroom emergency call is activated.



Corridor light indicator

Corridor light switches on with 4 colors for each different function s. White-regular call (on and off), redemergency call (on and off) Green (on), yellow-medical service call (on)













PROJECTS REFERENCE

AVIATION Suvarnabhumi Airport Don Muang Airport Hat Yai Airport Khon Kaen Airport Phetchabun Airport **Ranong Airport Ubon Ratchathani Airport** Etc. BUILDING Chachuri Square B.T.S.Station Chiang Mai Conventional Centre **Empire Tower** Metro Tower Nation Tower S.V. City Etc DEPARTMENT STORE Big C **Central Department Store** Fashion Island Lotus Supercentre Seri Centre Siam Makro Etc. GOLF COURSE Alpine Golf Club Krungthep Kreetha Golf Club Laem Chabang Golf and Country Club Milford Golf Course **Mission Hill Golf Club** Panya Golf Course President Golf and Country Club Royal Chiang Mai Golf Club Thai Country Club Thana City Golf Club Windmill Country Club Lakewood Country Club Etc. GOVERNMENT Australian Embassy Chulabhorn Research Institute ามาคมราชกรีฑาสโมสร Chiang Mai Convention Center EGAT, Bangpakong EGAT, Banggruay EGAT, Lampang EGAT, Sirikit Dam

Expressway Authority of Thailand

The Royal Bangkok Sports Club

Stock Exchange of Thailand

Social Welfare Building

Police Academy (Khon Kaen, Nakhon Pathom)

A

Forestry Department

Royal Thai Air Force

Royal Thai Army

Royal Thai Navy Royal Thai Police

Sirinthorn Tower

Pattaya City Etc.

Malaysian Embassy



HOSPITAL

Bangkok Chest Hospital Bumrungrad International Hospital Buddhist Monk Hospital Children Hospital Department of Public Health Petchavej Hospital Phra Mongkut Hospital Prapokklao Hospital Siriraj Hospital Samitivej Hospital

HOTEL & RESORT

Etc.

Bangkok Palace Hotel Baiyoke Sky Hotel Chiang Mai Hotel Club Andaman Hotel The Chedi Hotel Imperial Hotel MP Hotel & Resort Thai Muang Resort Etc.

INDUSTRY

Thai Beverage Khon Kaen Sugar Industry Bangchak American Standard BMW Manufacturing Thailand Burapha Steel Mayer Factory Nakorn Thai Strip Mill Phoenix Pulp and Paper Sheico Corporation Siam Cement Thai Suramaharaj Factory **TGCI** Factory TSSI Steel Mill Tycoons Worldwide Group (Thailand) Thai Copper Smelter (Kvaerner) Star Micro Factory Etc.

PALACE

Sukhothai Palace Bang Pa-in Palace Banglan Embankment Etc.

TELECOMMUNICATIONS DTAC C.A.T. Satellite Station P.E.A. Communication Tower Samart Telecom Thaicom Ground Station Etc.

SCHOOL&UNIVERSITY A.I.T Chiang Mai University Mahidol University St.Andrew International School Sirinthorn Health College Sukhothai Thammathirat University Thammasat University Rangsit University Etc.



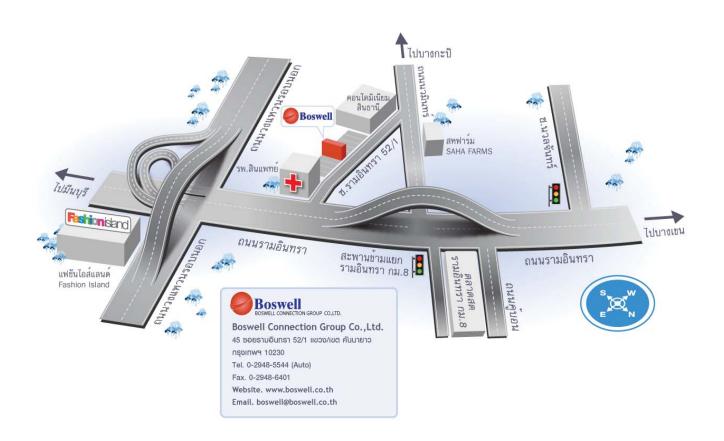


CONTACT US

Boswell Connection Group Company Limited

45 Ramindra 52/1 Ramindra road, Khannayhaw sub district, Khannayhaw district Bangkok Thailand 10230

Tel. 662-948-5544 (Auto) Fax. 662-948-6401 Email : <u>boswell@boswell.co.th</u> Website : www.boswell.co.th







NOTE :





СОММАХ











Boswell Connection Group Co.,Ltd.

45 Soi Ramintra 52/1, Khannayhaw, Khannayhaw, Bangkok 10230, Thailand. Tel : +662 948 5544 (Auto) Fax : +662 948 6401 E-mail : boswell@boswell.co.th Website. : http://www.boswell.co.th

