

A woman in a white lab coat and a man in blue scrubs are looking at a tablet together in a hospital setting. The woman has a stethoscope around her neck. The background is a blurred hospital hallway with other people and equipment.

# SMART HOSPITALS

TRANSFORMING HEALTHCARE INFRASTRUCTURE FOR THE DIGITAL AGE





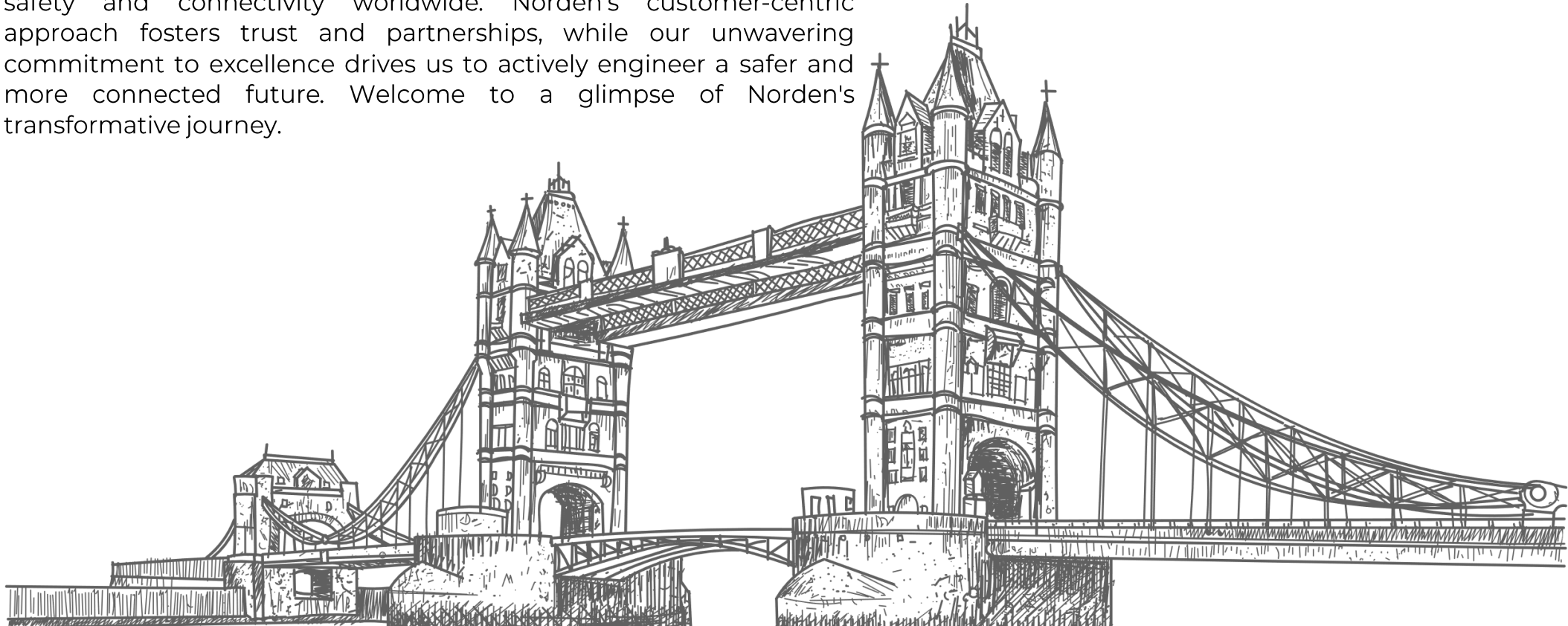
# BEHOLD YOUR TOMORROW



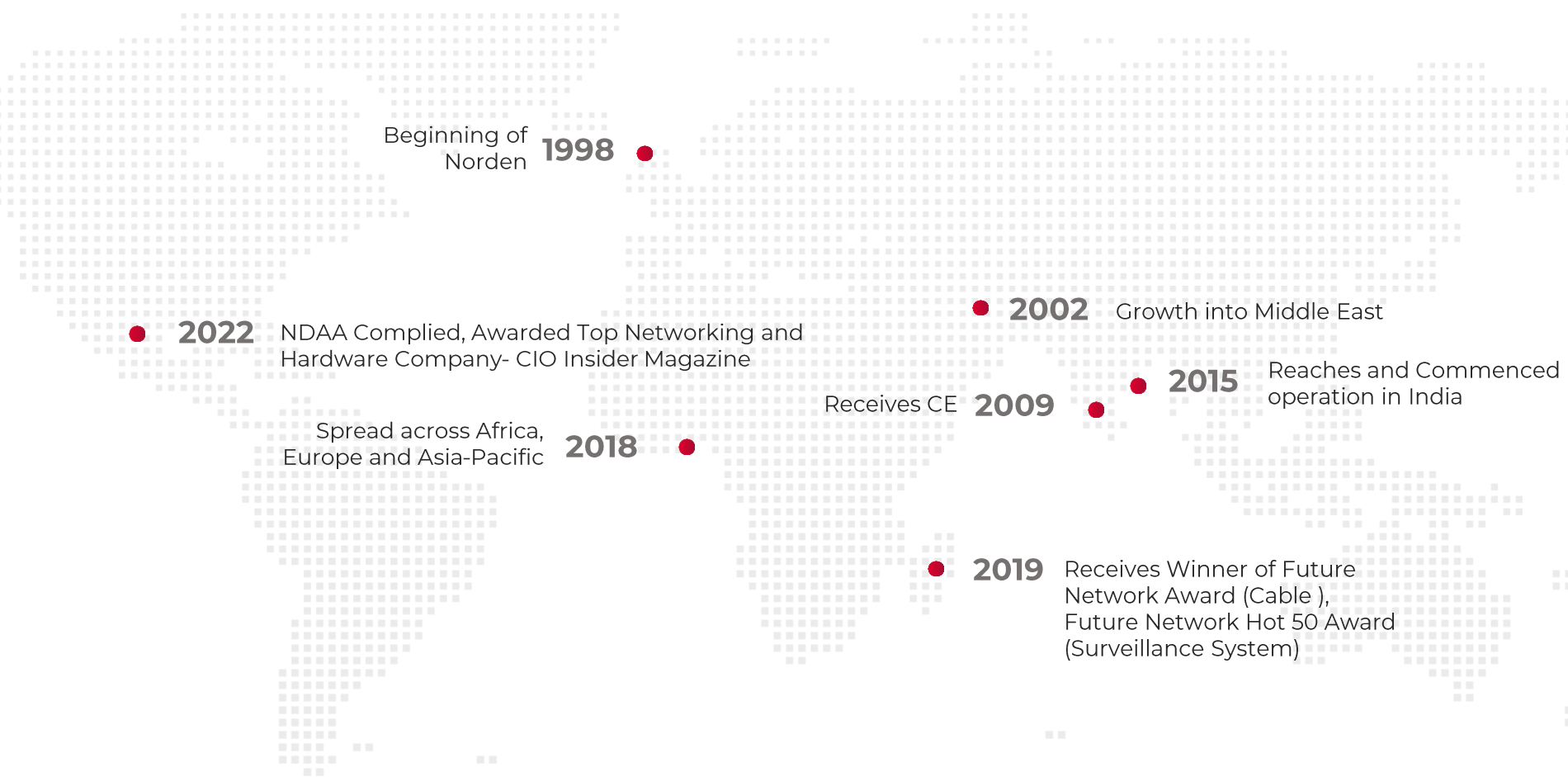
[www.nordencommunication.com](http://www.nordencommunication.com)

# WHO ARE WE ?

Norden, headquartered in the UK, is a trailblazing innovator in security and connectivity solutions. With expertise in CCTV, cabling, UPS, and access control, we redefine industry standards. Our global impact is evident as our cutting-edge solutions transcend borders, ensuring safety and connectivity worldwide. Norden's customer-centric approach fosters trust and partnerships, while our unwavering commitment to excellence drives us to actively engineer a safer and more connected future. Welcome to a glimpse of Norden's transformative journey.



# ABOUT NORDEN



# GLOBAL PRESENCE



**Extending Horizons: 28 Countries Direct, 12 via Distributors**



# SYNOPSIS



 **NORDEN**<sup>®</sup>

Cabling System

Norden Intelligent Cabling Solutions provide seamless connectivity for data, voice, and video applications, supporting the complex networking requirements of healthcare environments.



 **NORDEN**<sup>®</sup>

Public Address System

Norden Public Address System enhances communication within healthcare facilities, facilitating timely announcements, emergency alerts, and critical information dissemination.



 **NORDEN**<sup>®</sup>

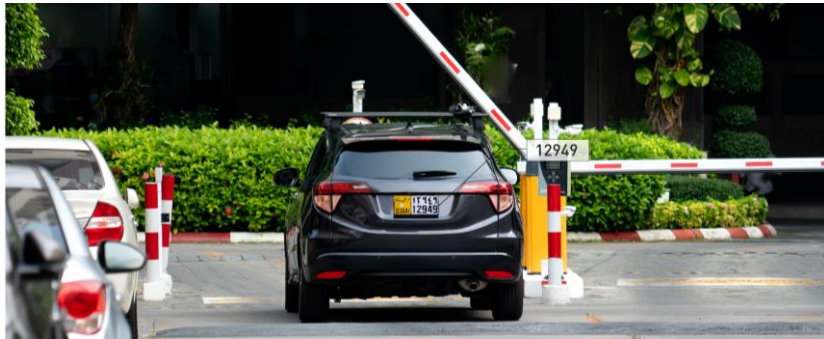
Surveillance System

Our state-of-the-art Norden Surveillance System provides healthcare facilities with unparalleled monitoring capabilities, ensuring the safety of patients, staff, and assets.



**SURVEILLANCE SOLUTION**  
**HEALTH CARE**

## ANPR SOLUTION



### SECURED ENTRANCE AND PARKING

- ANPR at Entrance



## PERIMETER SOLUTION



### SECURED PERIMETER

- Large areas such as perimeter and outdoor areas





## VEHICLE SURVEILLANCE



### VEHICLE MONITORING

- Safety and efficiency with our high-definition vehicle camera system for improved emergency response.



## BODY WORN CAMERAS



### NON-MEDICAL STAFF BODY CAMERAS

- Body worn cameras in healthcare enhance security, protecting patients and staff from potential risks



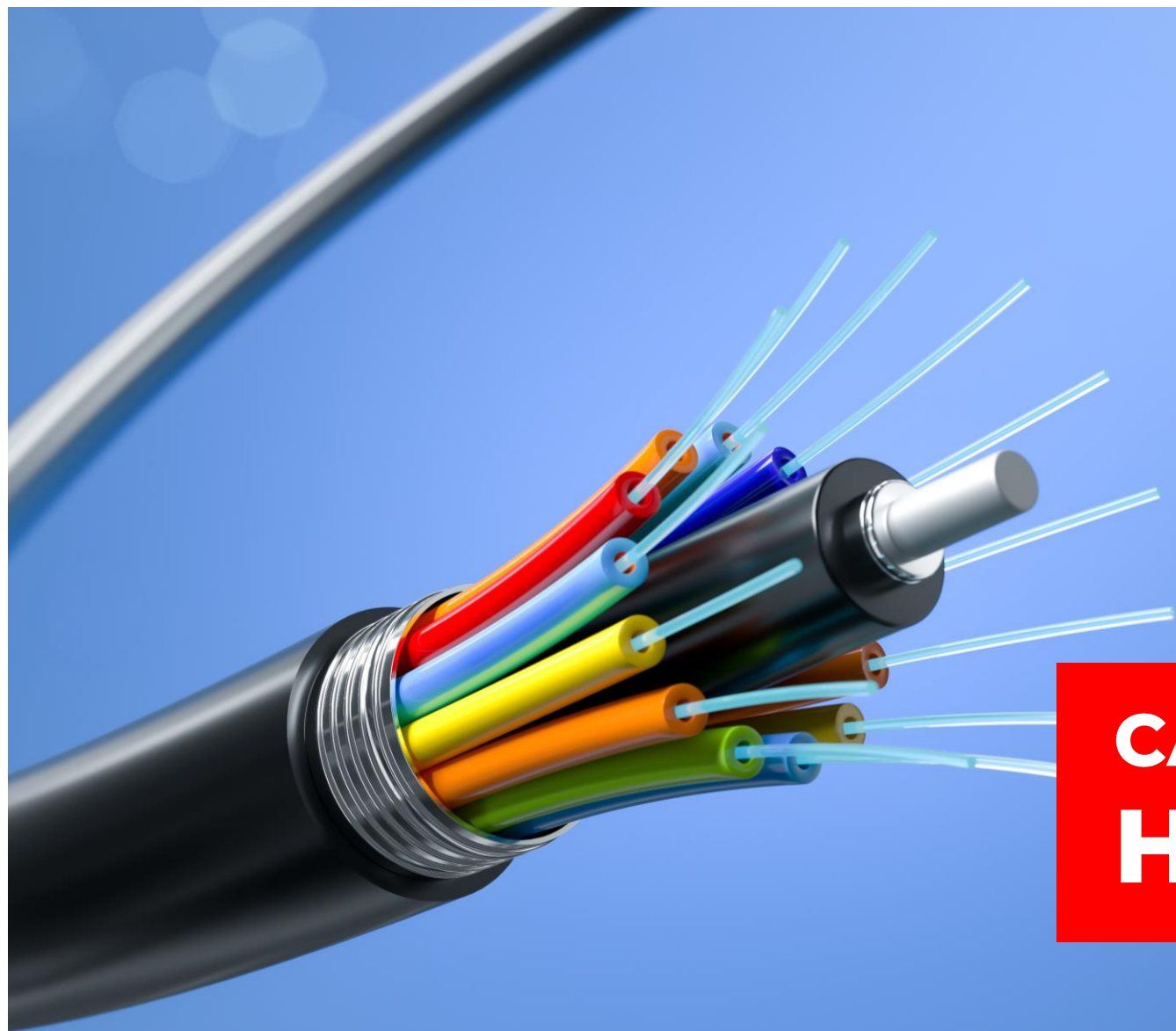
## COMPREHENSIVE COVERAGE



### SAFEGUARDING EVERY HOSPITAL ZONE

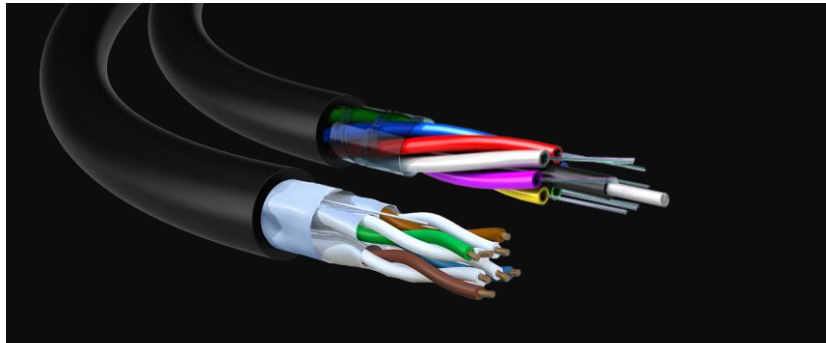
- At Staff, Patient & Visitor Room
- At Reception
- At Pharmacy
- At Corridor & Lift





**CABLING SOLUTION  
HEALTH CARE**

## COPPER & FIBRE CABLES



- Fibre & copper cables
- Pre-terminated Fibre Cable
- MTP/MPO Trunk and Fan-out Hydra cable

## ACCESSORIES



- Keystone Jack
- Copper Patch Panels
- Fibre Patch Panels
- Patch Cords
- Medical Grade Antimicrobial Face Plate
- Adaptor
- Pigtails



## INTELLIGENT SOLUTION

The Norden Intelligent Solution is a fully Intelligent Product which uses CPID Technology ( Connection Point Identification) which monitors point to point connectivity of physical layer.



INTELLIGENT COLLECTOR:

For collecting data from scanning cards and to route it to software agents upon request over TCP/IP network. It supports daisy-chain configuration using TCP/IP ports enabling unlimited network growth.



INTELLIGENT SCANNING CARD

A pluggable kind of device having unique ID number which supports physical network identification of inter-connect and cross-connect topologies. It helps in enabling the proper identification & communication.

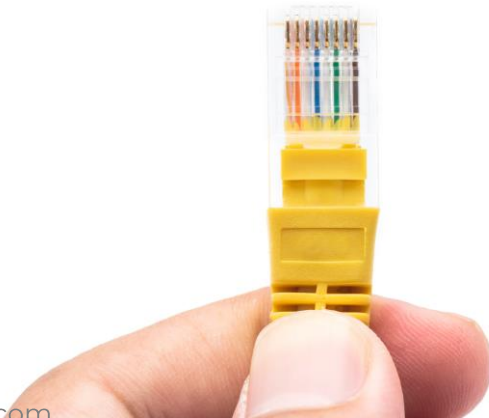
# INTELLIGENT COPPER & FIBRE CABLES

## COPPER SOLUTION ACCESSORIES

- Intelligent copper frame
- Copper ID Key
- Interconnect Intelligent copper patch cords
- Cross-connect Intelligent copper Patch cords

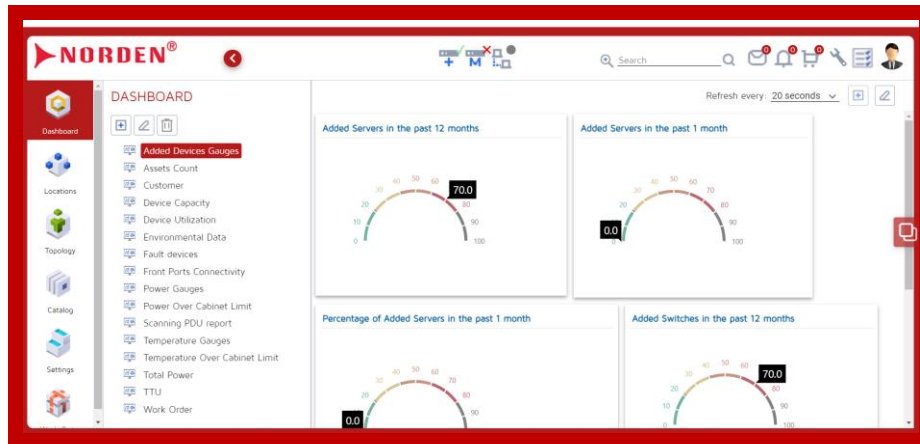
## FIBRE SOLUTION ACCESSORIES

- Intelligent Fibre Trays
- Intelligent Fibre Optic LC-LC/LC MTP Patching Cassettes
- Intelligent MPO 24 Tray
- Fibre ID Key
- Interconnect Intelligent Fibre Patch cords
- Cross-connect Intelligent Fibre Patch cords



# SOFTWARE FEATURES

- User friendly GUI.
- Geographic information(GIS) of location and premises with Google maps / other maps.
- Racks and Cabinets in a 3-Dimensional view
- Real-time server-level power and thermal consumption data, server-level health monitoring and utilization.
- Strong Network Provisioning with considerations of
  - a. Space, Power, weight & environmental .
  - b. Switch port availability.
  - c. Network availability including services, VLAN's & outlets availability.
  - d. Patching availability including routing, length & connectivity.
  - e. Customer rules & policies.
- Work orders and Visual guidance on patching at both ends of patch cords.
- Integration to smart racks & information from IP PDUs, Monitoring sensors status.
- Direct interface into 3rd parties system.





**PA SOLUTION  
HEALTH CARE**



# IP BASED PA SYSTEM

## IP AMPLIFIER

- Mixer, Power Amplifier –Wall mount/ Rack mount

## IP SPEAKERS

- PoE, Non PoE –Wall mount/Ceiling mount/Column

## IP PAGING MICROPHONE & INTERCOM

- Indoor/Outdoor/Explosion-proof intercom



## VOICE EVACUATION SYSTEM

- 8 zones with A & B circuit output,
- Support speaker line detection (grounding, open circuit, short circuit), and system detection (extended equipment, off-line MIC).
- Built-in 500W digital power amplifier and can be connected to a standby amplifier simultaneously.
- The host can be expanded to 160 zones and can realize real-time detection of bus loops, automatic system fault diagnosis, data backup, line redundancy, and fault status recording.
- The whole system supports 30 remote paging microphones or fire paging microphones, one-key paging in all zones, and zone paging functions.
- The whole device supports a 24V power supply. When the mains power is cut off, the device will automatically check and switch to a 24V backup power supply to ensure normal fire broadcasting.



# TELEMEDICINE & CONFERENCE SYSTEM

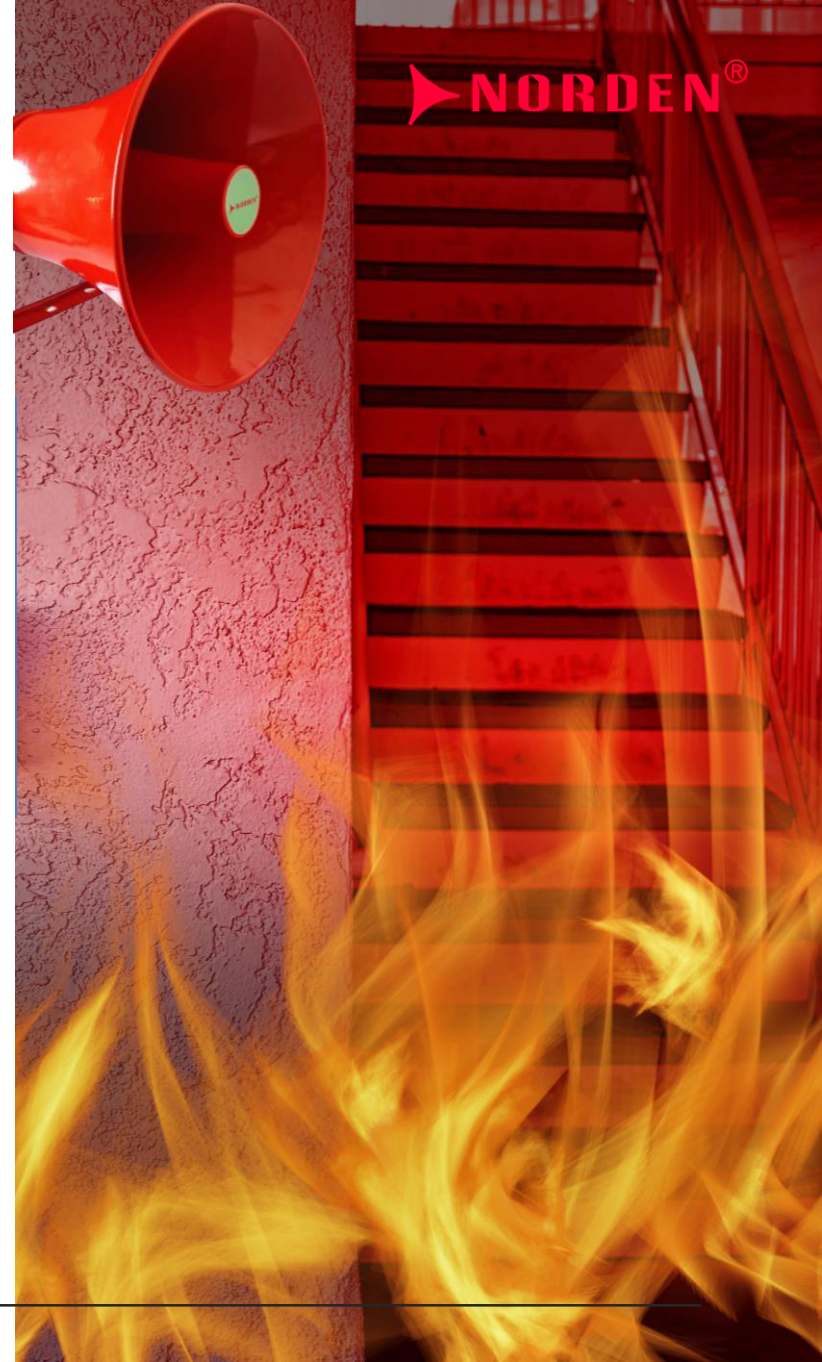
Norden Communication offers state-of-the-art conference systems tailored specifically for hospitals. These advanced systems go beyond mere amplification, ensuring seamless communication during critical meetings, emergency scenarios, and patient care coordination. The Chairman Microphone serves as the central control point, allowing priority speech and flexible placement. Delegate microphones empower participants with voice control and high-quality pickup. Norden's IP-based solutions enhance centralised management, instant messaging, and emergency response capabilities. Beyond audibility, these systems foster collaboration, efficient conversations, and successful decision-making. With Norden, hospitals can optimise communication, improve patient outcomes, and facilitate informed choices.





# FIRE ANNOUCEMENT SYSTEM

A fire alarm system is intended to enable a fire to be detected at a sufficiently early stage so that people at risk can be safe by escaping from being extinguished. The effectiveness of the fire detection and alarm system depends on the stage at which it is operated. With NVS-IP100021FT the device could be integrated with the public addressing system for emergency voice alarm communication such as pre-recorded and manual voice messages.





# EMERGENCY INTERCOM SYSTEM

Security plays an important role in any business. A network intercom system is a perfect addition to a video-based security installation. Imagine if a potential intruder tries to enter your restricted area. The camera alerts the security guard to warn the intruder using the audio system, "We can see you; you're trespassing." Often, this type of warning is sufficient, preventing the need for additional security measures.

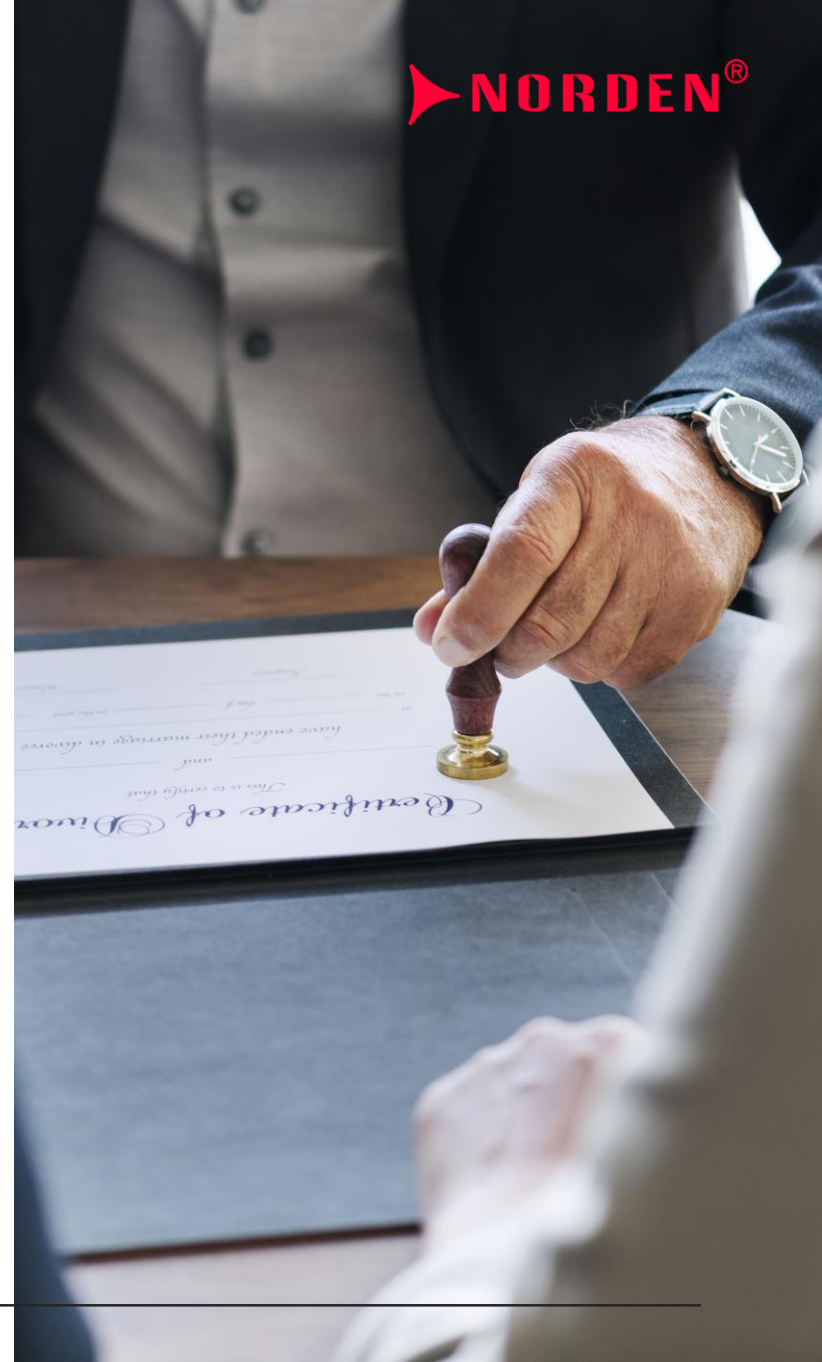


# NURSE CALLING SYSTEM

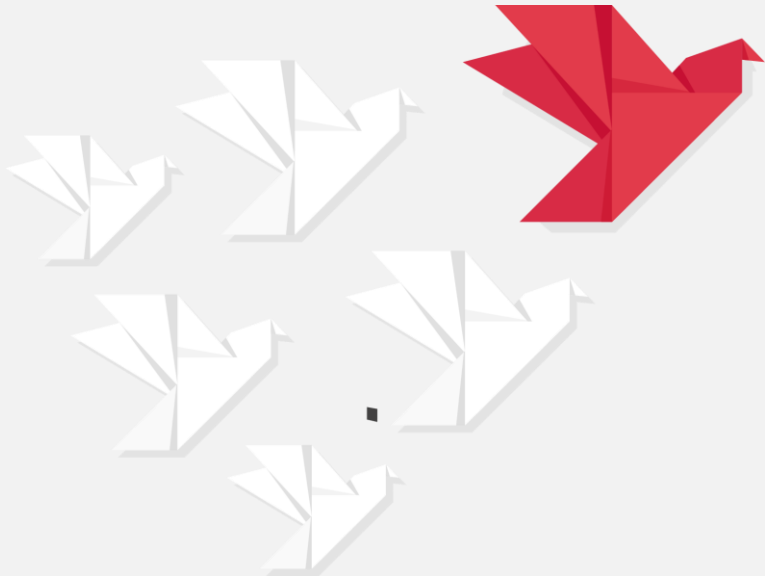
A nurse call system acts as a crucial link between patients and caregivers, ensuring timely assistance and enhancing overall patient safety. When integrated with a public addressing system, hospitals can streamline communication, prevent delays, and improve the patient experience. Customisable notifications, automated alerts, and two-way audio enable efficient communication.



# CERTIFICATIONS



# WHY NORDEN?



- Norden is a single window solution for ELV solutions that are interoperable.
- Backed by quick-responding Sales Team and Customer Service.
- Customer centric pre and post sale support.
- Standard-driven brand with high-quality products and services.
- 24/48-hour response for quotations on run-rate products and solutions.
- Product offering suitable for smaller to larger systems.
- Proven ability to meet project requests with competitive responses.



# THANK YOU

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