



Ninehundred  
Communications  
Group

# RAIL SOLUTIONS



TWO WAY  
RADIOS



RAIL  
SOLUTIONS



SECURITY  
SOLUTIONS



ECO FRIENDLY  
SOLUTIONS



IT  
SOLUTIONS



SITE  
SOLUTIONS



TELEMATICS  
SOLUTIONS



VOICE  
& DATA

0845 600 4 900 | [www.ninehundred.co.uk](http://www.ninehundred.co.uk)

# RAIL SOLUTIONS

**We've been providing products and services to the rail industry and its contractors for over 40 years. This division showcases our wide portfolio of products that we've tailored to cater to the unique demands of the rail sector, increasing safety and improving communication on and off of site.**

The rail industry, with its diverse operational domains including workshops, rail ports, stations, trackside infrastructure, and underground networks, presents a multifaceted landscape that demands a wide range of equipment and solutions.

Our product range stands out by providing equipment sourced from a variety of manufacturers. Our team comprises in-house and field-based engineers who possess extensive experience in delivering both off-the-shelf and tailored solutions for the rail sector. Whether you need standard equipment or customised options to meet specific project requirements, our engineers are well-equipped to assist.

We take pride in being an audited supplier on the RISQS GB railway industry supplier qualification scheme, demonstrating our commitment to quality and industry compliance. Additionally, our engineers hold Sentinel Cards and have undergone vital training programs, including PTS, ICI, and AC & DCCR, ensuring that we are fully capable of supplying rail organisations and contractors with the necessary equipment and support.

By choosing us, you are selecting a reliable partner that simplifies the complexities of the rail industry, offering a comprehensive range of equipment solutions and unwavering dedication to safety and professionalism. We look forward to the opportunity to support your rail projects with our expertise and extensive inventory.

## OUR SOLUTIONS



**RESPIRATORY SYSTEMS**



**SITE SOLUTIONS**



**ECO FRIENDLY SOLUTIONS**



**PUSH TO TALK**



**TWO WAY RADIOS**



**FULL DUPLEX RADIOS**



**Products tailored to meet the specialised needs of the rail industry, increasing safety and improving communication**



# DIGITAL RADIOS

Two-way radios play a crucial role in industries, enabling seamless communication for swift decision-making. Their reliability, even in challenging environments, ensures operational efficiency, real-time information sharing, and enhanced safety, making them indispensable tools for modern workplaces.

## WHATEVER THE INDUSTRY...

Digital Radios are something we'd argue are critical to an environment where communication is required. Whatever industry your business or event is part of we'll have a Digital Two Way Radio system and solutions that will take your communication to the next level, with increased functionality and features.

## ANALOGUE RADIOS

With the introduction of digital two way radios, manufacturers are introducing less analogue models in favour of digital radios, though we understand there is still a demand for analogue radios due to familiarity and sometimes cost.

However, as the move towards digital continues, care must be taken more than ever before to purchase not only the correct make and model but also to consider interoperability between the different digital standards the manufacturers have chosen.

By rejecting static and noise, unlike traditional analogue radios, our digital two way radio technology allows for crystal clear voice communication between radio users by providing clear audio right to the edge of coverage!

Being the focus of application development, digital radios can be used for much more than traditional voice communication.

## KEY FEATURES:



**CRYSTAL CLEAR  
COMMUNICATION**



**UP TO 40% BETTER  
BATTERY LIFE**



**INCREASED PROFIT BY  
LOWERING OPS COSTS**



**SERVICE & PREVENTATIVE  
MAINTENANCE**



**INCREASED CHANNEL  
CAPACITY EQUIPMENT**



**ADDITIONAL  
FUNCTIONALITY**

## MOTOTRBO APPLICATIONS SOFTWARE

Many of our Digital Two Way Radios are able to utilise MOTOTRBO™, integrating into many existing systems, and taking the functionality way beyond the traditional boundaries of typical radio communication.

Peak performance  
Powerful functionality  
Valuable communication



# 900PTT PUSH TO TALK

**900PTT provides reliable and wide area coverage, without the need to invest in the expensive infrastructure often associated with Two Way Radios when covering long distances. The system provides an efficient communication system that is perfectly suited to a wide array of applications for various industries.**

Providing a similar experience to using a two way radio 900PTT harnesses the coverage of a cellular network which removes the need for planning, reducing costs and installation associated with expanding a traditional two way radio system. Designed as a tool for lone workers, many of our 900PTT options feature lone worker tracking software (though well suited for group workers). 900PTT is fast becoming the push-to-talk lone worker method of communication. Compatible devices integrate seamlessly with the Desktop Dispatcher Software so that office-based users can keep in contact with field-based staff using a PC.

## PTT SOLUTIONS FOR EXISTING DEVICES

Utilising powerful software we are even able to turn your existing smartphone into a PTT handset, enabling instant communication at the touch of a button alongside location mapping, multimedia messaging and much more.

## MAPPING SOFTWARE

The 900PTT Software will allow a management team to view their whole fleet of LTE PoC radios via a secure online portal, helping make sure that users are safe and protected.

You can be anywhere in the world and you can still access this management system to monitor your fleet of radios. The software features an accessible, user-friendly interface making it very simple to use.

## KEY FEATURES:



CALL &  
MESSAGING LOGS



INDIVIDUAL &  
GROUP CALLS



JOB  
TICKETING



ALARM  
HANDLING



LONE  
WORKER



EXISTING DEVICE  
COMPATIBILITY

**IP MAPPING  
SOFTWARE**



**...without the need of expensive infrastructure, and further functionality when paired with our dispatcher software**



# FULL DUPLEX RADIOS



**Full Duplex radio systems suited for use in construction, rail, industrial, maritime, security, audio-visual, catering, hospitality, and sporting sectors. You can hold an open mic, audio conference call instantaneously, on a permanent and secure basis.**

In many environments, the delay between transmit and receive conversation processed on a traditional two way radio system can have critical consequences.

Providing a communication experience similar to a telephone conversation, our systems give clear and intelligible communication in noisy or challenging environments. Our full duplex radio systems enhance worker safety and help minimise potential damage to assets and infrastructure by eliminating pauses in conversations.

## 900MULTICOM RANGE

The 900Multicom is an easy to use full-duplex, hands-free multi-user wireless system, that allows full natural conversation between workers. Attached to military grade headsets, this team communications system is an ideal solution for the rail industry.

## COMPATIBILITY

The 900Multicom3 and the 900Multicom Supreme CC Headset represent the ultimate solution for noise cancellation and seamless real-time communication within your team. Designed to provide convenience, these headsets are not only compatible with Atex Devices for use in hazardous areas but also incorporate a patented noise filter, ensuring that your conversations remain interference-free, even in the most challenging conditions. Whether you're working in an industrial setting or with critical operations, these headsets deliver the performance and reliability you need to stay connected and focused.

### KEY FEATURES:



**HANDS FREE  
COMMUNICATION**



**DIGITAL  
ENCRYPTION**



**LICENSE  
FREE**



**CALLS UP TO 16  
USERS AT ONCE**



**RESPIRATOR  
COMPATIBILITY**



**HEADSET & PHONE  
CONNECTION**



**900MULTICOM  
SUPREME CC**

# Instantaneous open mic and hands free communication, compatible with industry leading respirator systems



# SITE SOLUTIONS

**Our specialist Site Solutions Division was developed for giving efficient communication solutions combined with effective security solutions means this division is perfectly suited for where mainstream systems just don't work in their standard form.**

We offer support for all critical tasks associated with the constantly evolving landscape of technology. We ensure your site is both connected and secure, doing so in a cost-effective and timely manner. We accomplish this by leveraging products and services from various divisions, including Satellite Broadband and CCTV, delivering them through a single source to simplify your procurement processes.

Our Satellite Broadband is ideal for when conventional options just do not work. Our broadband connections come to your property via satellite. No cables from an exchange, making the connection exclusive to you.

Our broadband packages are highly adaptable and can be seamlessly expanded with add-ons like CCTV, VoIP Phones, and Print and Fax services, offering a comprehensive office package.

We have our own in-house technical team and experienced UK wide Engineers who are on hand whenever you have any queries or need assistance.

## KEY FEATURES:



**SATELLITE BROADBAND**



**VOIP PHONES**



**CCTV SYSTEMS**



**ECO FRIENDLY SOLUTIONS**



**4G CONNECTIVITY**



**TECHNICAL SUPPORT**



**Available to buy or hire,  
set up is fast with minimal  
disruption**



# 900ECO STAIR-SAFE

900ECO  
AWARD WINNING

Implementing solar technology, the 900Eco Stair-Safe provides all year round LED lighting to external staircases. Using Push Buttons to trigger LED light bars, illuminating stairs when there is no natural light. Created using a modular design, the 900Eco Stair-Safe is adaptable to just about any staircase.

The 900Eco Stair-Safe works by harnessing sunlight via a high area solar panel and converting it to usable energy; this energy is stored in our high-capacity battery.

When natural light is no longer sufficient, the Push Buttons trigger the LED lightbars and illuminate the stairway to create a safer environment.

Created using a modular design, the 900Eco Stair-Safe is adaptable to just about any staircase; reducing risk and increasing safety.

The 900Eco Stair-Safe can be implemented onto almost any application, whether this be a staircase, walkway, or access point. Anywhere light is needed outdoors, the stair safe will increase safety whilst being sustainable and reliable.

## KEY FEATURES:



**SELF  
SUSTAINABLE**



**EASILY  
ADAPTABLE**



**SELF  
INSTALLED**



**PROVEN TO  
INCREASE SAFETY**



**REDUCED  
RISKS**



**EMC  
CERTIFIED**

## 900ECO APPLICATIONS

The 900Eco Stair-Safe effortlessly enhances visibility in various settings, from strip lighting applications in sunlight to shaded areas. Witness the transformation in the image to the right—once obscured cabins in a hold are now brilliantly lit, eliminating the need for torches or headlights and significantly improving efficiency.



# Implementing solar technology, the 900Eco Stair-Safe provides all year round LED lighting to external staircases



# 900ECO LIGHTING TOWER



**This 900Eco Lighting Tower will give you all the light you need - and more. With LED lamps producing 240,000 lumens and a hydraulic mast extending up to 8 meters, the trailer can be used in an array of applications, including; construction sites, trackside, security and events. Rental and Purchase options available.**

Portable and quick to set up, this lighting tower has an extendable hydraulic mast, a durable, steel body and adjustable stabiliser legs. The lighting tower, once deployed, supplies a vast amount of light for a massive duration of time. Highly reliable with the best construction materials used to make it, you can use this product during any terrain as long as there is a flat surface for the product to stand. This allows for the best light possible.

With 4 powerful LED lamps producing 240,000 lumens, the lighting tower has a range of up to 60 metres. This provides an effective and efficient lighting solution for night time working and security in which the LED lamps can be used to the best of their ability. The lamps are able to flick off and on effortlessly with maximum brightness applied, making them perfect for working quickly.

## KEY FEATURES:



**ADJUSTABLE  
MAST**



**DURABLE  
BODY**



**DIESEL  
ENGINE**



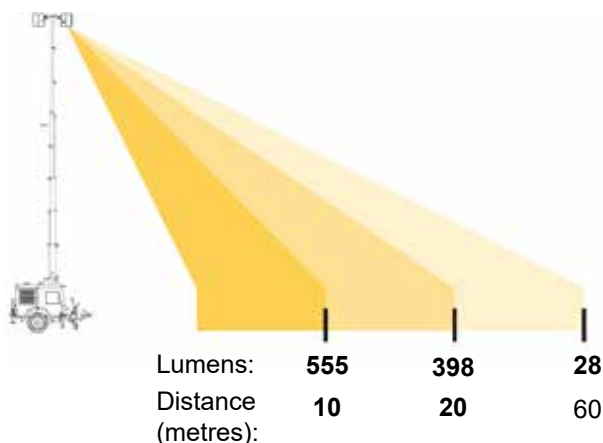
**240,000  
LUMENS**



**STABILISING  
LEGS**



**EASILY  
TOWABLE**



**With 70 litres fuel tank capacity for 70 hours runtime**



SPECIFICATION:	DESCRIPTION:
Maximum Dimensions (in working mode)(LxWxH):	2680x 2500 x 8000
Maximum Dimensions (in transport mode)(LxWxH):	2680 x 1400 x 2500
Mast Height:	8 meters maximum height
Voltage	220 V
Lamps:	4 x 400 W LED Lamps
Power (P.R.P):	3.5 kVA
Weight:	960 KG
Engine:	Water-Cooled Diesel Engine
Fuel Tank Capacity:	70 L

# 900ECO STATIC LIGHTING TOWER



**This 900Eco Static Lighting Tower will give you all the light you need - and more. With a total of 262,500 lumens and a hydraulic mast extending up to 8 metres, the tower can be used in an array of applications, including; construction sites, track-side, security, events and much more.**

Portable and quick to set up, this static lighting tower has an extendable mast and a durable steel body. The tower, once deployed, supplies a vast amount of light for a massive duration of time. Highly reliable with the best construction materials used to make it, you can use this product during any terrain as long as there is a flat surface for the product to stand. This allows for the best light possible.

Equipped with four high-intensity LED lamps emitting an impressive 262,500 Lumens, our static lighting tower is optimised for night-time rail work. With a substantial illumination radius of up to 60 meters, it offers a reliable and energy-efficient lighting solution tailored to nocturnal operations and security needs. These powerful LED lamps can be harnessed to their fullest potential, ensuring the utmost efficiency during dark night tasks. Their seamless on-off capability, coupled with instant maximum brightness, facilitates swift and efficient work on the rail at night.

## KEY FEATURES:



**262,500 LUMENS**



**8M ADJUSTABLE TOWABLE**



**EFFICIENT LEDS**



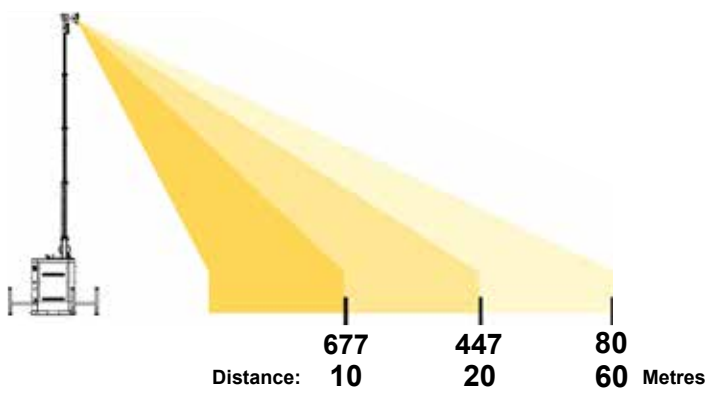
**CE MARK COMPLIANT**



**RANGES OF 60 METRES**



**PLATELET RICH LIGHTS**



# A heavy duty floor mounted lighting solution 135 litres fuel capacity for 135 hours runtime



# 900ECO SOLAR COMPOUND LIGHT



Ninehundred

SITE SOLUTIONS DIVISION

The 900Eco Solar Compound Light exemplifies eco-friendliness through its integrated solar panel and lithium battery, minimising energy consumption and reducing your carbon footprint. With sustainable operation at its core, it illuminates spaces while preserving the environment.

Elevate your business with the game-changing 900Eco Solar Compound Light. Standing tall at an impressive 5 meters, it emits a brilliant 16,000 lumens, revolutionising illumination for rail yards, construction sites, and beyond. Its cutting-edge integrated solar panel and high-capacity lithium battery not only exemplify eco-friendliness but also substantially reduces energy costs, thereby promoting sustainability and cost-effectiveness. The added advantage of a remote deployment system ensures swift setup, enhancing operational efficiency and adaptability to various environments.

The versatility of the 900Eco Solar Compound Light makes it ideal for a range of locations, from bustling construction sites to expansive car parks and dynamic rail construction areas. Its adaptable design and powerful illumination ensure safety, productivity, and visibility across diverse environments, enhancing operations and lighting up spaces with unmatched efficiency. Illuminate your path to success and showcase your commitment to innovation and environmental responsibility with the brilliance of the 900Eco Solar Compound Light.

## KEY FEATURES:



**5 METERS**  
MAXIMUM HEIGHT



**16,000**  
LUMENS



**LED**  
LAMPS



**SOLAR**  
POWERED



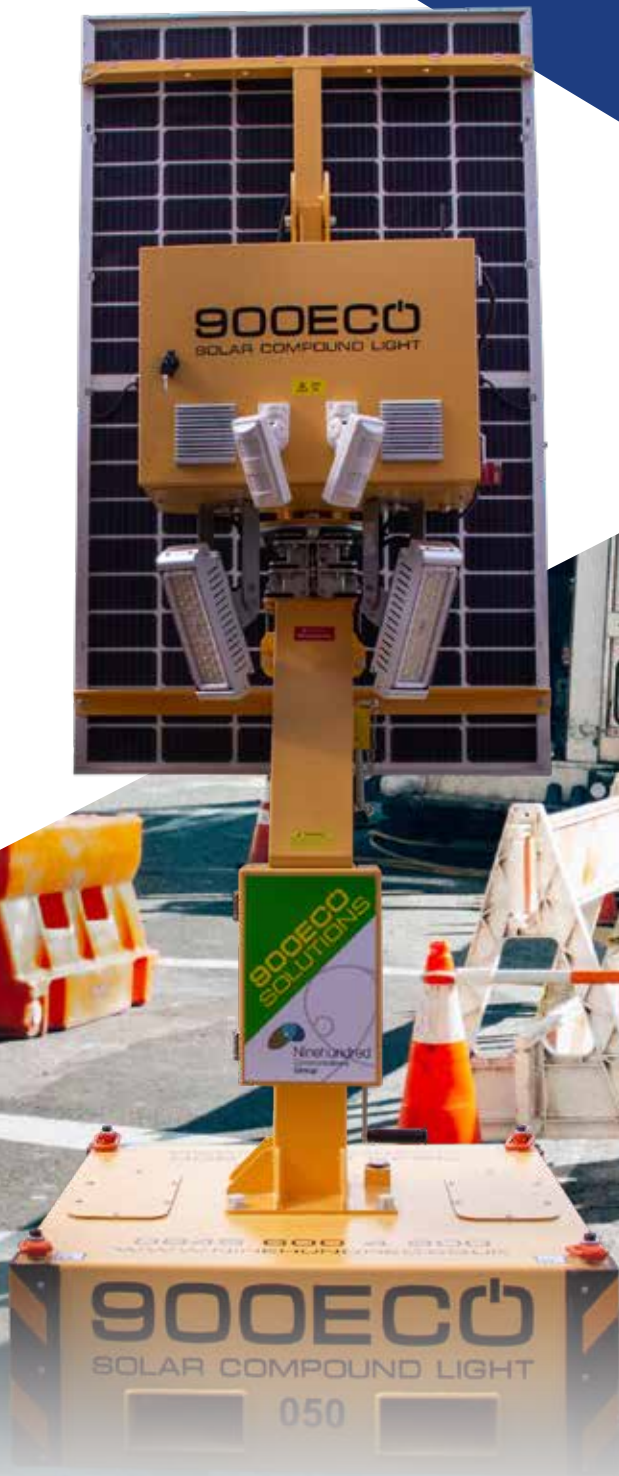
**REMOTE**  
SYSTEMS



**BLUETOOTH**  
APP COMPLIANT



# Eco-conscious, adaptable lighting for diverse industrial environments



# 900ECO SOLAR LIGHT



The 900Eco Solar Light is a slim, modern LED arena light and flood light. Featuring the latest passive-Infrared (PIR) motion sensor technology, the light can detect movement within several metres of the unit and automatically regulates the output of the LED lamp from a 'dim mode' to 'full-brightness'.

An all-in-one solar powered light, the 900Eco Solar Light features a built-in 21W 13.5V mono-crystalline solar panel to charge the hugely powerful 9.6V 12Ah internal lithium battery in just 8-10 hours. The passive infrared (PIR) motion sensor boasts a detection distance of 12 metres.

The LED module adopts CREE® LED lamps for a high lumens, bright beam. Featuring ALS and TCS technology. This light can operate for 12 continuous hours without recharge. These technologies utilise the battery power accordingly throughout the night to ensure high battery life and superior runtimes.

The 900Eco solar light operates automatically from dusk through to dawn and features Smart lighting modes to adjust the brightness of the lamp when motion is detected.

## SPECIFICATIONS:

- Next generation LiFep0<sub>4</sub> battery
- Automatic, smart lighting modes
- High-efficiency Crystalline solar panel
- 3-6 Meter install height
- 8-10 Hour charge

## KEY FEATURES:



5000  
LUMENS



8-12 METER  
PIR DETECTOR SYSTEM



12 HOUR  
RUN-TIME



IP65  
RATED



DUSK TILL DAWN  
TURN OFF



REMOTE  
CONTROL



# Integrating advanced technology for efficient illumination



# 900TROLLEY SAFE

**A purpose designed, battery powered, lighting system that attaches to railway trolleys. Providing an efficient lighting solution for railway workers and inspectors. This rail track lighting system can be designed to fit various railway trolleys, existing or brand new.**

The 900Trolley Safe is a revolutionary solution designed to enhance the efficiency and safety of rail operations. Engineered with a focus on user convenience, it significantly lightens the workload for rail workers by providing ample illumination, making jobs on the rail easier and more manageable. With its innovative design, this safety solution maximises efficiency by offering enhanced visibility, enabling workers to operate with precision even in low-light conditions.

What sets the 900Trolley Safe apart is its rapid deployment capability, ensuring that it can be swiftly activated when needed the most. Its adaptability to various trolleys commonly used in businesses streamlines integration, allowing companies to capitalise on their existing equipment without the need for significant modifications.

## SPECIFICATIONS:

- 50Ah x 2 Batteries
- 120W (9600 Lumen) x 4 LED Lights
- 45W (1600 Lumen) x 2 LED Side Lights
- Steel, durable frame
- Portable and Detachable
- Weight - 33KG (not including Permequip Link Trolley / Power cases)
- Lighting Duration: Approx. 7 hours on full charge.

## KEY FEATURES:



**MAKES JOBS  
EASIER**



**MAXIMUM  
VISIBILITY**



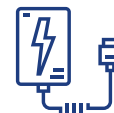
**RAPIDLY  
DEPLOYED**



**ADAPTABLE TO  
EXISTING TROLLEYS**



**INCREASES  
SECURITY**



**NO HARD WIRING  
REQUIRED**



# Maintain maximum efficiency on the railway with our rail lighting



# 900INCIDENT WATCH

In the unfortunate circumstance that an incident occurs on track workers are required to act quickly, whilst taking appropriate action and record the incident. Ninehundred Communications understood this, and then created a rapidly deployable, lightweight, live streaming camera solution.

## OVERVIEW

The 900IncidentWatch is the perfect solution to improving and maintaining safety procedures on the track, this product allows you to remotely and instantly check sections of the track with a 4G PTZ camera.

The 900IncidentWatch can be quickly taken to the site by the first responder, rapidly deployed, and streamed to a desktop or mobile phone anywhere in the country. The severity of the incident can be assessed remotely via the IncidentWatch, ensuring the appropriate response is taken.

## REMOTE MONITORING

This product allows for the remote monitoring of crack propagation, where constant attention and frequent monitoring is required, the 900IncidentWatch allows for instant track side remote monitoring, this not only allows for quicker and more efficient action to be taken but it also allows for the risk to be controlled.

Where daily inspection may be required to ensure that cracks are not growing, the 900IncidentWatch allows you to closely monitor the site without having to send out personnel for inspection. This reduces the frequency of these costly visits whilst maintaining safety.

## KEY FEATURES:



LIVE  
24/7 FEED



LOW POWER  
CONSUMPTION



RAPIDLY  
DEPLOYED



VISUAL  
VOIDING



SELF  
SUSTAINABLE



NO HARD WIRING  
REQUIRED



# Rapidly deployable, lightweight, live streaming camera solution



# 900ECO 4G SOLAR CAMERAS



The 900Eco 4G Solar Bullet and the PTZ Cameras can be installed in a range of places, such as farms, courtyards, rails, quarries, scenic spots, roads, communities and small construction sites. Using a solar powered system, they are compact, portable and easy to install, disassemble and maintain.

Offering 24 hour surveillance and remote monitoring via 4G or a wireless access point-to-point link, the integrated solar power system supports intelligent functions such as perimeter protection and smart motion detection. With starlight technology, the camera provides an improved image in low light conditions.

With an advanced scene-adaptive rate control algorithm, smart encoding technology provides high-quality video, and reduces the cost of storage and transmission. The cameras utilise AI chip technology and a deep learning algorithm. The algorithm focuses on humans and vehicles with high accuracy. The cameras provide intelligent functions such as perimeter protection and smart motion detection as well as starlight technology that provides better imagery in low light conditions.

## 4G NETWORK & CONNECTIVITY

The widespread adoption of 4G networks has transformed the way we connect and interact with devices. With 4G's faster speeds and lower latency, users can now perform real-time monitoring and even remotely control devices like cameras from their mobile clients. This seamless connectivity is particularly crucial for applications like surveillance, offering timely access to critical information and enhancing overall efficiency and security.

## KEY FEATURES:



FLEXIBLE  
PTZ OPTION



FLEXIBLE  
BULLET OPTION



AUTO  
TRACKING



32X  
OPTICAL ZOOM



LOW POWER  
CONSUMPTION



REMOTE  
CONTROL



4G SOLAR  
BULLET CAMERA



4G SOLAR  
PTZ CAMERA

**Enables round-the-  
clock surveillance via 4G  
connectivity seamlessly**



# 900ECO 4G SOLAR CAM APPLICATIONS

An integrated solar powered CCTV system consisting of a Solar Panel with Maximum Power Point Tracking (MPPT) Charging Controller and Mounting Brackets. A fully featured, smart, low power consumption PTZ Network Camera with an AI Chip and remote monitoring over a 4G Network.

The 900Eco 4G Solar PTZ Camera has a variety of applications to suit your needs...

These solar powered CCTV solutions provides a stable power supply to the PTZ camera with a high conversion charging controller. The combination of an efficient power supply and low power consumption camera make this system ideal for the UK climate and operating conditions.

Part of our 900Eco range, this solar powered CCTV solution can be installed in a range of locations, such as rail, farms, courtyards, scenic spots, roads, communities, construction sites and many other places.

## 900ECO 4G SOLAR CAM TRAILER

This 900Eco Solar 4G Cam Trailer provides a sustainable solution that is ideal for sites without mains or electricity. The silent lightweight trailer makes for easy transportation allowing it to be rapidly deployed to provide an efficient and effective solution without the need for fixed infrastructure.

## 900ECO 4G SOLAR CAM COLUMN

This 900Eco Solar 4G Cam Column offers a stable sustainable CCTV Solution. Complete with an integral lockable cabinet, the tilt over mast allows you to easily collapse the camera for maintenance and cleaning. The camera is mounted upon a concrete block which maximises stability and acts as a great theft deterrent.

### KEY FEATURES:



SILENT OPERATION



PERIMETER DETECTION



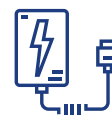
RAPIDLY DEPLOYED



INCREASES SAFETY AND SECURITY



SELF SUSTAINABLE



NO HARD WIRING REQUIRED

### Camera Overview:

- 125W Monocrystalline Solar Panel
- IVS Perimeter Protection
- Sound & Light Alarm
- 32x Optical Zoom
- Starlight Technology
- Remote Monitoring
- Siren and Light Deterrence

Zero fuel costs, no emissions and no carbon footprint during use



# 900SITE CCTV TOWER



**The 900Site CCTV Tower is used for the protection of sites, temporary installations and supporting on-site, manned guarding. With this application, damage is kept to a minimum, you can monitor workflow and the surrounding area, protect your infrastructure, whilst also improving security for multiple site locations.**

The 900Site CCTV Tower is the perfect application, to keep your workforce and your work environment safe. Our 900Site CCTV tower is designed to be rapidly deployed and easy to manoeuvre giving you freedom on where you can place it. The tower is versatile which makes it a perfect solution for almost any space such as, constructions sites, public spaces, events, railway and more.

Our tower offers a visual deterrent and can be installed and operational in a matter of minutes. You can view the cameras from anywhere through the Hik-Connect app, allowing you to change camera views, check live video feeds, get event notifications, communicate remotely with two-way audio, and more.

Our CCTV Tower is fully fit with a diverse set of cameras, including the Tandem Hikvision network Cameras. These cameras benefit the whole site, allowing full visibility of the entire operation, keeping an eye on your workers, equipment, infrastructure and much more. The kit also offers alternate equipment, such as our wireless.

## KEY FEATURES:



**FACE  
CAPTURE**



**ANTI  
VANDALISM**



**RAPIDLY  
DEPLOYED**



**6 METRE  
MAST HEIGHT**



**LOW POWER  
CONSUMPTION**



**STABILISING  
LEGS**



## GENESIS DETECTORS

A versatile PIR detector that uses sophisticated signal processing and optics to minimise nuisance alarms caused by the sun, shadows and reflections as well as loose fluttering materials. This sensor can detect a person up to x meters away and trigger our 900Site CCTV Tower to aim at the desired area.

# Protect people, sites and assets with temporary, fast and secure protection



# 900SITE SECURE



**900Site Secure manages your site, keeping intruders at bay, leaks and fires under announcement and much more. The whole set is remotely installed and completely solar efficient. With the ability to reach up to 2,000 metres away with some products and even more with others, this kit is perfect for most site locations.**

## HUB

900Site Secure Hub manages all the devices in the system to alert users about open doors, broken windows, threats of fire and flooding. If break ins occur, it will notify the monitoring station and send photos from the detectors. You won't need to live under the constant supervision of the security cameras to know what's going on.

## MOTIONCAM

The 900Site Secure MotionCam is a wireless motion detector for outdoor use with an in-built photo camera. Photos are taken only in case of motion alarm. 900Site Secure MotionCam provides users and security companies with fast and protected visual verification of alarms.

## SIREN

900Site Secure Siren is flexible when it comes to settings which makes it as relevant in a quiet gated community as in a loud industrial area. The buzzer can be set to generate sound from 85 to 113 dB for an adjustable period: from 3 seconds to 15 minutes.

## LEAK PROTECT

900Site Secure Leak Protect is a wireless addressable flood detection device. Which can protect your home from broken pipe leaks with four pairs of contacts for detecting first signs of flooding, perfect for household places where you can't quite see but know there are possible chances of leaks or other breaches.

## KEY FEATURES:



**AUTOMATE  
SECURITY**



**RESISTANT  
TO SABOTAGE**



**3 YEARS  
BATTERY LIFE**



**HASSLE FREE  
INSTALLATION**



**VISUAL ALARM  
NOTIFICATIONS**



**SOLAR  
POWERED**



# Manage your site to keep it secure and intruder-free whilst also being sustainable



# 900SITE SENTRY

**The 900Site Sentry is the perfect application for all work areas in need of a sturdy device that can be used remotely. Our rapidly-deployable sentry unit is able to be controlled through solar power, utilising the day and working through the night, on alert from any intruders.**

The 900Site Sentry stands as an on-site, rapidly deployable visual deterrent. Encasing a carefully curated array of 900Site Secure devices. These devices collaborate to ensure a comprehensive view of the rail environment from all angles, day or night, once positioned within the fortified husk.

Managed and overseen by our 900Site Secure Hub, this system provides immediate visual confirmation to assess any rail-related situation. Its reliability and steadfastness ensure the prompt transmission of alarms to both the rail manager's phone and relevant personnel. Serving as the central element of the 900Site Sentry, the hub governs the operation of all other devices within the rail security system.

The integrated cameras have built-in motion sensors, that enable the system to activate upon the triggering of both sensors. If activated, the camera captures a series of photos, building a dynamic image sequence. The encrypted proprietary radio protocol ensures the secure transmission of photos, viewable through designated rail industry applications or third-party monitoring software.

The crowning piece atop the rail security system is the 900Site Secure Siren. Responding to an alarm signal, this device swiftly activates a siren and brilliant LED indicators in less than a second. Any security breach within the rail environment is immediately brought to light. LED signals and brief buzzer beeps serve as reminders to rail personnel that the premises are armed.

## KEY FEATURES:



**SOLAR  
EFFICIENT**



**WIRE  
FREE UNIT**



**RAPIDLY  
DEPLOYED**



**REMOTELY  
CONTROLLED**



**EASY  
INSTALLATION**



**VISUAL  
DETERRENT**



# Protect people, sites and assets with temporary, fast and secure protection



# 900ECO FIXED CCTV TOWER



**The 900Eco Fixed CCTV Tower is a solar powered, secure CCTV system, offering 24-hour remote surveillance. With quick installation and minimal disruption, this solution is suitable for where conventional systems cannot be installed as no mains wiring are required.**

Presenting our Solar-Powered Fixed CCTV Tower, a robust and secure surveillance system tailored for rail environments. Specifically designed for sites lacking mains or electricity access, this fixed CCTV tower ensures 24-hour surveillance and enables remote monitoring through 4G\* or a wireless access point-to-point link.

The installation of this secure system, complete with a tilt-down mast and associated equipment, is efficiently executed with minimal disruption to rail sites.

Introducing the 900Eco Fixed CCTV Tower, a tailored solution for the rail industry's unique surveillance needs. Boasting two high-quality 4MP bullet network cameras, a high-capacity 12V-24V battery, and a 265W JA solar panel, this system is adept at providing continuous and reliable monitoring even in rail sites lacking mains or electricity access. The point-to-point link and 4G\* connectivity, adaptable to site requirements, ensure seamless remote monitoring capabilities. The anti-climb security measures further enhance the system's resilience in challenging settings. The integrated software application complements these attributes, offering a comprehensive surveillance solution that aligns with the specific demands of the rail industry.

\*Sim card required with data plan to suit usage & available 4G network coverage.

## KEY FEATURES:



**RAPIDLY  
DEPLOYABLE**



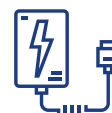
**SELF  
SUSTAINABLE**



**ANTI-CLIMB  
EQUIPMENT**



**INCREASES SAFETY  
& SECURITY**



**NO HARD WIRING  
REQUIRED**



**LOCKABLE  
CABINET**



# Efficiently monitor rail sites with solar-powered CCTV tower solutions



# BODY WORN CAMERAS

**Better than your average body-cams, featuring push-to-talk communication over cellular and PMR networks, best-in-class audio performance, high-definition video shooting and streaming. These robust, IP68 rated body worn cameras are ultra thin and can easily be held in your hand or clipped to workwear.**

It's become a fact of life that front line staff can become the target of abuse, and some members of support staff can be particularly vulnerable.

In recent years the use of Body Cameras has increased and they have proved to be efficient in reducing verbal and physical attacks. Available to hire, the use of Body Cameras can have many applications, particularly at larger events.

## HYTERA

Hytera's Remote Video Speaker Microphone (RVM) is designed to capture, store and share media including audio, image and video evidence taken from the field. The body-worn camera with remote speaker phone allows users to make and receive voice communications, initiate an emergency alarm, and deliver real-time video to a control centre over the LTE network, even in low-light conditions; when paired with the Hytera Multi-mode Advanced Radio.

### KEY FEATURES:



**POC / 9TT  
RADIO**



**LIVE STREAM  
ENABLED**



**WATER  
PROOF**



**INFRARED  
NIGHT VISION**



**LONG  
BATTERY LIFE**



**GPS  
ENABLED**



Promote a sense of security, deter misconduct, and provide valuable evidence when needed



# 900HYBRID TRAUMA KIT

The 900Hybrid Trauma Kit is designed to combine defibrillator and advanced First Aid equipment. This helps rescuers by giving them essential items required in a major incident - from sudden cardiac arrest to catastrophic bleeds, all treatable from a carry-on rucksack.

This innovative device, equipped with a comprehensive first-aid kit and a defibrillator, stands resilient against even the harshest weather conditions, making it indispensable for remote working environments. Within its compact design, it houses a range of wound care essentials, thoughtfully organised with colour-coded and clearly labelled compartments, ensuring prompt and accurate administration of first aid during critical situations. With these ground-breaking advancements, the 900Hybrid Trauma Kit sets a new standard for the future of emergency medical care, promising swift and effective intervention when every second counts.

## CPR ADVISORY

Inside is a Samaritan® PAD which features an audio function, guiding the rescuer through effective CPR with advice on compression pressure and speed based on real-time feedback from the casualty's heart. Unlike other devices, the advice provided takes into account impedance changes of the casualty, prioritising the patient's chances of survival.

## OTHER MODULES

The 900Hybrid Trauma Kit device boasts a comprehensive array of features to address diverse medical needs in emergency situations:

- Cuts & Grazes Module
- Burn Module
- Trauma Module
- Eye Module
- Dressing & Bandages Module
- RapidStop® Tourniquet Module

## KEY FEATURES:



ONE BUTTON  
OPERATION



DUST & MOISTURE  
PROTECTION



USER  
FRIENDLY



DURABLE  
CASING



AUTOMATIC SHOCK  
DELIVERY



ADVANCED  
TECHNOLOGY

## VARIETY OF CHOICE

The 900Hybrid Trauma Kit can be bought in either hard case format or an on-person strapped backpack. Each with the same array of modules and your choice of a HeartSine® Samaritan® PAD 350P, 360P and 500P.



# The ultimate emergency response equipment for any environment



## AUDIO CUES

"PUSH FASTER..."

"PUSH HARDER..."

"PUSH SLOWER..."

"GOOD COMPRESSIONS!"



## AUDIO & VISUAL COMMANDS

Some functions of the Samaritan® PAD are visual and audio commands which help the rescuer from performing poorly.

## VISUAL CUES



PUSH HARDER/NO CPR BEING PERFORMED



PUSH HARDER



GOOD COMPRESSIONS

# 900AIR VERSAFLO

**3M™ Versaflo™ Respirator Systems are a comprehensive approach to worker protection systems based on comfortable to wear modules and communications equipment. Thanks to their modular design, each system can be designed and adapted around the bespoke needs of the end user and tasks at hand.**

Elevate your respiratory safety with our Versaflo Respirators, fully compliant with Network Rail standards. These respirators offer comprehensive protection against particles, vapors, and gases while ensuring optimal comfort.

Our selection of top-notch respiratory equipment is chosen for its modular systems, enabling the customisation of each system to align with the unique requirements of end-users and specific tasks. This ensures a tailored approach to respiratory protection, providing comfort and effectiveness in various work scenarios.

Enhance the capabilities of our Versaflo Respirators by seamlessly integrating them with a range of compatible accessories. Paired with Vokkero® Radios, these respirators provide efficient communication solutions, fostering teamwork and coordination in dynamic environments. The compatibility with 3M Peltor Headsets ensures optimal hearing protection while maintaining clear communication channels.

The integration of a LED Head-torch further enhances visibility in low-light conditions, offering a versatile solution for varied work environments. This comprehensive compatibility with a diverse array of accessories ensures that the Versaflo Respirators not only prioritise respiratory safety but also contribute to an integrated and adaptable system tailored to the unique needs of users across different industries.

## KEY FEATURES:



**HIGH POWER  
PERFORMANCE**



**HANDS-FREE  
COMMUNICATION**



**INCREASED  
PROTECTION**



**NETWORK RAIL  
COMPLIANT**



**LONG LIFE  
BATTERY**



**INCREASES SAFETY  
& SECURITY**

## CONSUMABLES KITS AVAILABLE

A selection of essential items for your 3M™ Versaflo™.

Protect your PAPR and get maximum respiratory benefits and performance with our consumable kits in a bag.



# Respiratory protection with our fully Network Rail compliant Versaflo Respirators



# 900AIR JSP POWERCAPS



Part of the 900AIR range, the JSP Powercap is a fully integrated TH3 Powered air respirator, perfect for the rail industry; where dust and other airborne particles pose a danger to workers' health. This includes a built in boom microphone, noise cancelling 3M headset and full duplex communication.

High capacity HEPA filters, paired with pre-filter covers ensure that the infinity delivers 160 litres per minute of pure, clear air to the user. Being built around a super strong ABS shell EVO5 safety helmet allows for superior all day protection without compromising comfort.

Our full duplex radio systems allow groups of rail workers to hold an audio conference instantaneously, on a permanent and secure basis. A carefully designed microphone/speaker system and excellent attenuation, offer unique acoustic performance, providing outstanding communication in very high-noise environments.

## INTEGRATES WITH:

- Integrate with existing respiratory or radio equipment (not previously purchased from us)
- Full duplex solution allows for instant, hand free communication between users without the need for a push-to-talk button
- Noise cancelling headphones with a boom microphone for clear audio
- Bespoke solutions available



## KEY FEATURES:



HIGH EFFICIENCY  
FILTERS



HEAD  
PROTECTION



VOKKERO  
GUARDIAN



NOISE  
CANCELLING



FACE  
SHIELD



INCREASES SAFETY  
& SECURITY

## CONSUMABLES KITS AVAILABLE

A selection of essential items for your JSP PowerCap® Infinity®

Protect your PAPR and get maximum respiratory benefits and performance with our consumable kits in a bag.



# Dual power SMD helmet head torches available



# FORCE 8 HALF MASK

The Force™ 8 Half Mask with Typhoon™ Valve offers superior low breathing resistance and a 4-point suspension harness with quick release buckles. Flexible and usable in many different applications, providing filtering protection against lots of different hazardous gases and particles.

The mask is made with a durable thermoplastic rubber offering a superior fit to most face shapes. The mask accepts the full range of low profile Force™ 8 filters giving the Force™ 8 the flexibility to be used for many applications, providing filtering protection against particulates, many gases and vapours. Low resistance exhalation valve for easy breathing, with stable mask configuration.

## PRESSTOCHECK™ FILTERS

With the new patent pending PressToCheck™ filters you can instantly check that you have the correct seal every time.

## FIT IT!

Put the straps and harness over your head and pull the straps to a suitably tight and comfortable fit.

## PRESS IT!

Press the front and backs of both filter covers together to stop air from entering through the filters.

## CHECK IT!

Inhale - No air should come through the mask. Adjust the mask and repeat until it doesn't. Release when seal is made.

## KEY FEATURES:



THERMOPLASTIC  
RUBBER



TYPHOON™  
EXHALATION VALVE



FACIAL  
PROTECTION



FORCE™  
FILTERS



CR2  
REFLECTIVITY



CONFORMITY  
& SECURITY



**With 99.95% filtration efficiency, with quick release buckles**



# FORCE 10 FULL MASK



The NEW Force™10 Typhoon™ is an extremely lightweight, easy to maintain full face mask with a panoramic visor. With 3 available sizes (S,M,L) and the ability to fit PressToCheck™ filters, the user can feel reassured of an excellent fit.

Extensive research has been carried out by NIOSH (ISO16976-2) to distinguish the worlds 5 most common facial shapes. Using this research JSP has digitally optimised the ergonomics of the Force™10 Typhoon's™ face seal to maximise wearer compatibility.

The Force™10 Typhoon™ has been meticulously engineered to incorporate a small number of key components. Disassembly, cleaning, and maintenance are effortless with replacement parts available if necessary. The Force™10 Typhoon™ is compatible with both JSP Classic filters and our PressToCheck™ filters, which allow for Daily Face Fit Reassurance™.

Comfort is a key feature of this ultra lightweight mask, the web like structure of the harness cradles the user's head - ensuring that the wearer is comfortable throughout the working day. The addition of different sizing options allows for a more tailored fit and greater comfort. The unique Typhoon™ valve has been designed to reduce breathing resistance, heat, and moisture build-up. The valve is unaffected by any moisture, and therefore can be used with the same performance under very low temperatures (-40°C tested).

## KEY FEATURES:



EXCELLENT  
FACE SEAL



UNRIVALLED  
SERVICE ABILITY



PRESSTOCHECK™  
COMPATIBLE



ULTRA LIGHTWEIGHT  
COMFORT



TYPHOON™  
EXHALATION VALVE



INCREASES SAFETY  
& SECURITY



# Durable thermoplastic rubber offering a superior fit



# 900 MODULAR BUILDINGS

These modules provide an environmental sustainable solution for sites, to accommodate to their needs and provide a functional working space. Every cabin is fitted with office space, toilets, showers, a dry room, kitchen and a meeting room. We offer services such as, water deliveries and effluent collections.

The modular buildings supplied by Ninehundred Communications come in a variety of layouts, with improved workspaces. This means that the open planned areas can be either huge or tight and compact whilst also suiting workers needs, by giving them compartments and other features that would help work-flow and also boost morale to keep people happy.

Our modular buildings are energy efficient and 'B' energy rated. This allows you to save energy costs and create a more pleasant working environment. The lights are also fitted with PIR (Passive Infra Red) Technology and will save energy costs.

Our cabins are vandalism protected, with gas filled double glazed tilt and turn windows with roller shutters, ensuring protection. Our cabins are also locked tight with multi-locking windows and doors, with guarantee to keep the workers inside safe, whilst also protecting your equipment and other valuable items.

## KEY FEATURES:



ENERGY SUFFICIENT



VANDALISM PROTECTION



NOISE REDUCTION MEASURES



TEMPERATURE CONTROL



ENSURING SAFETY



ADAPTS TO THE COMPANY



# A bespoke, environmental sustainable site solution. Providing engineers, employees and management a comfortable working space



# COMMUNICATE ANYTIME, ANYWHERE



**Ninehundred**  
Communications  
**Group**

Keep up to date with our latest news!



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to view our accreditations,  
**Scan here!**

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