



MANO STONE
Petroleum Facilities
Maintenance Services

Company Introduction

With a key to success in our hands and a dedication to providing high-quality services, we at Mano Stone are proud to be leaders in offering maintenance services, technical solutions, and general trading. Founded in the heart of Abu Dhabi and now expanding to include branches in Sudan since 2024, we are committed to delivering comprehensive solutions that enable our clients to access the best services from upstream to downstream.

Relying on our strategic partnerships with industry leaders in the supply of chemicals, oils, spare parts, and various trading goods, we constantly strive for excellence and aim to meet our clients' needs with unmatched efficiency and professionalism.

Mission

Our mission at Mano Stone is to provide unparalleled maintenance services, advanced technical solutions, and comprehensive trading services. We aim to help industries produce more from less, ensuring the highest standards of quality, efficiency, and professionalism. We are dedicated to fostering strong, strategic partnerships and delivering comprehensive solutions that meet the evolving needs of our clients.

Vision

Our vision is to be the foremost provider of maintenance, technical solutions, and trading services, recognized for our innovation, reliability, and exceptional service. We aspire to expand our presence globally, continually setting new benchmarks for excellence and contributing to the sustainable growth of the industries we serve.

**MANO STONE PETROLEUM FACILITIES
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Abu Dhabi, United Arab Emirates

manostone.com

**مانو ستون لخدمات صيانة
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Mano Stone Objectives:

1. Enhance Service Quality: Continuously improve our maintenance services and technical solutions to exceed industry standards and ensure client satisfaction.
2. Expand Market Presence: Strengthen our presence in existing markets and strategically expand into new regions, including further development in UAE, Sudan and beyond.
3. Foster Strategic Partnerships: Build and maintain strong relationships with industry leaders in the supply of chemicals, oils, and spare parts to enhance our service offerings.
4. Innovation and Technology: Invest in the latest technologies and innovative solutions to stay at the forefront of the industry and deliver cutting-edge services to our clients.
5. Sustainability and Efficiency: Implement sustainable practices in all aspects of our operations to minimize environmental impact and promote efficiency.
6. Employee Development: Promote a culture of continuous learning and professional development to ensure our team remains highly skilled and motivated.
7. Client-Centric Approach: Prioritize the needs of our clients by providing tailored solutions and exceptional customer service, ensuring long-term partnerships and loyalty.
8. Operational Excellence: Streamline our processes and operations to achieve maximum efficiency, cost-effectiveness, and reliability in service delivery.

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MANO STONE®
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Scope of Service & Supply:

1. Supplying All Types of Lubricants
2. Upstream and Downstream Chemicals
3. Water Treatment Products
4. Safety, Firefighting, and Supplying Safety Equipment
5. Equipment Maintenance Services
6. Drilling and Well Services
7. Completion and Production Services
8. Pipe and Wire Services
9. Digital Field Technologies
10. Engineering and Technical Consulting
11. Artificial Lift
12. Production Services
13. Solutions for Field Services (SFS)
14. Complete Oilfield Laboratory Setup with Installation and Training
15. Security Systems
16. Telecommunications

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1. Supplying All Types of Lubricants

Service Overview:

We supply a comprehensive range of high-quality lubricants for various industrial applications, ensuring optimal performance and longevity of your machinery and equipment. Our products meet the stringent standards of the oil and gas industry and are suitable for both upstream and downstream operations.

Key Features:

- **Wide Range of Products:** From engine oils to hydraulic fluids, we provide lubricants tailored to your specific needs.
- **High-Performance Formulations:** Our lubricants are designed to reduce wear, enhance efficiency, and extend equipment life.
- **Reliable Supply Chain:** We ensure a consistent and timely supply of lubricants, minimizing the risk of operational downtime.

2. Upstream and Downstream Chemicals

Service Overview:

Our Upstream and Downstream Chemicals service provides essential chemicals for various stages of oil and gas production, refining, and processing. We offer a broad range of products designed to enhance efficiency, safety, and environmental compliance.

Key Features:

- **Drilling Fluids:** High-performance drilling fluids to optimize drilling operations and protect well integrity.
- **Production Chemicals:** Solutions to prevent corrosion, scaling, and other production issues.
- **Refining Chemicals:** Specialty chemicals that improve the efficiency and safety of refining processes.

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3. Water Treatment Products

Service Overview:

Our Water Treatment Products are designed to meet the unique challenges of water management in the oil and gas industry. We offer a range of solutions for treating produced water, ensuring compliance with environmental regulations and optimizing water reuse.

Key Features:

- Filtration Systems: Advanced filtration technologies to remove contaminants from produced water.
- Chemical Treatments: Solutions to control scaling, fouling, and microbial growth in water systems.
- Custom Solutions: Tailored water treatment programs to meet the specific needs of your operations.

4. Safety, Firefighting, and Supplying Safety Equipment

Service Overview:

We provide a complete range of safety and firefighting equipment to ensure the protection of your personnel and facilities. Our products are sourced from leading manufacturers and meet the highest industry standards.

Key Features:

- Personal Protective Equipment (PPE): Comprehensive selection of PPE to safeguard workers in hazardous environments.
- Firefighting Systems: Design, supply, and installation of firefighting systems tailored to your facility's needs.
- Safety Equipment: From gas detectors to emergency showers, we supply all necessary safety equipment to ensure compliance and safety.



5. Equipment Maintenance Services

Service Overview:

Our Equipment Maintenance Services ensure that your critical assets are always in top working condition. We offer preventive, corrective, and predictive maintenance services tailored to the specific needs of the oil and gas industry.

Key Features:

- Preventive Maintenance: Regular inspections and servicing to prevent equipment failures.
- Corrective Maintenance: Fast and effective repairs to minimize downtime in case of equipment failure.
- Predictive Maintenance: Advanced diagnostics and monitoring to predict and address potential issues before they cause disruptions.

6. Drilling and Well Services

Service Overview:

Our Drilling and Well Services are designed to optimize well performance and ensure safe and efficient drilling operations. We provide end-to-end solutions, from planning and execution to well intervention and cementing.

Key Features:

- Drilling Operations: Comprehensive support for all drilling activities, from initial planning to execution.
- Well Intervention: Services to enhance well performance, including cleanouts and stimulations.
- Cementing Services: Reliable cementing solutions to ensure well integrity and zonal isolation.



7. Completion and Production Services

Service Overview:

Our Completion and Production Services focus on maximizing the efficiency and productivity of your wells. We offer cutting-edge technologies and methodologies to ensure the successful completion and sustained production of oil and gas wells.

Key Features:

- Completion Design: Customized solutions to ensure the optimal configuration of your well.
- Production Enhancement: Techniques and technologies to increase well output and extend its lifespan.
- Artificial Lift Systems: Implementation of artificial lift solutions to enhance production in mature fields.

8. Pipe and Wire Services

Service Overview:

Our Pipe and Wire Services cover the supply, installation, and maintenance of pipes and wires essential for oilfield operations. We ensure that all products meet the highest standards for durability and performance in challenging environments.

Key Features:

- High-Quality Materials: Pipes and wires designed to withstand extreme conditions and ensure operational efficiency.
- Expert Installation: Professional installation services to ensure reliability and safety.
- Maintenance and Repair: Ongoing support to maintain the integrity and performance of your pipe and wire systems.



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9. Digital Field Technologies

Service Overview:

Our Digital Field Technologies service brings the latest advancements in digitalization to the oilfield. We offer innovative solutions that improve operational efficiency, safety, and decision-making through real-time data and analytics.

Key Features:

- Remote Monitoring: Real-time tracking of field operations, enabling quick response to any issues.
- Data Analytics: Advanced analytics to optimize production and reduce operational costs.
- Automation Solutions: Implementing automation technologies to streamline operations and enhance safety.

10. Engineering and Technical Consulting

Service Overview:

Our Engineering and Technical Consulting services provide expert advice and support across all stages of oil and gas projects. Our team of seasoned engineers and technical specialists offers solutions tailored to meet the unique challenges of each project.

Key Features:

- Project Feasibility Studies: In-depth analysis and evaluation to determine project viability.
- Technical Advisory: Expert guidance on design, construction, and operation of oilfield facilities.
- Regulatory Compliance: Ensuring all operations meet local and international regulations.

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11. Artificial Lift

Service Overview:

Our Artificial Lift service focuses on enhancing oil and gas recovery in mature fields. We provide a range of artificial lift solutions tailored to your reservoir conditions, ensuring sustained production and maximizing return on investment.

Key Features:

- Custom Lift Solutions: Tailored artificial lift systems to meet specific well requirements.
- Performance Monitoring: Continuous monitoring and optimization of lift systems to ensure maximum efficiency.
- Maintenance and Support: Ongoing support to ensure the longevity and reliability of lift equipment.

12. Production Services

Service Overview:

Our Production Services are aimed at optimizing the output of oil and gas wells throughout their lifecycle. We offer a range of services to enhance production, reduce operational costs, and extend the productive life of your wells.

Key Features:

- Enhanced Oil Recovery: Techniques and technologies to maximize hydrocarbon recovery.
- Flow Assurance: Solutions to prevent blockages and ensure consistent production.
- Well Optimization: Continuous monitoring and adjustments to maintain peak well performance.



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13. Solutions for Field Services (SFS)

Service Overview:

Our Solutions for Field Services (SFS) are designed to support all aspects of field operations, from well site management to equipment maintenance. We offer a full suite of services to ensure your operations run smoothly and efficiently.

Key Features:

- **Field Management:** Comprehensive oversight and management of well sites and field operations.
- **Equipment Maintenance:** Preventative and corrective maintenance services to minimize downtime.
- **Training and Support:** Ongoing training and support to ensure your team is equipped with the latest knowledge and skills.

14. Complete Oilfield Laboratory Setup with Installation and Training

Service Overview:

We provide complete Oilfield Laboratory Setup and Training services, ensuring your lab is fully equipped to meet the demands of modern oilfield operations. Our expert team will handle everything from equipment installation to staff training.

Key Features:

- **Lab Design and Setup:** Custom-designed laboratories tailored to your specific needs and space requirements.
- **Equipment Installation:** Installation of state-of-the-art equipment for analysis and testing.
- **Training Programs:** Comprehensive training for your staff to ensure they can operate and maintain lab equipment effectively.

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15. Security Systems

Service Overview:

We offer comprehensive Security Systems services to protect your personnel, assets, and operations. Our solutions are tailored to the unique challenges of the oil and gas industry, providing robust protection against both physical and cyber threats.

Key Features:

- Surveillance Systems: High-definition cameras and monitoring systems for real-time security management.
- Access Control: Advanced systems to control and monitor access to critical areas.
- Cybersecurity Solutions: Protecting your digital assets from unauthorized access and cyberattacks.

16. Telecommunications

Service Overview:

Our Telecommunications service provides reliable and secure communication solutions for remote and challenging oilfield environments. We ensure seamless connectivity, allowing for efficient operations and coordination.

Key Features:

- Satellite Communications: Reliable satellite connections for remote sites.
- Network Infrastructure: Design and implementation of robust communication networks.
- Maintenance and Support: Ongoing support to ensure continuous and secure communication.



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Scope of Supply:

Divisions

- UPSTREAM DIVISION
- DOWNSTREAM DIVISION
- MIDSTREAM DIVISION
- STOCKING FACILITY & BLEANDING FACILITY
- LABORATORY FACILITY

CONTACT US

We would love to hear from you, and we will be pleased to offer you products and services that fit your needs and even customize specific solutions for your business, you can easily reach our staff through the following address

E-Mail: info@manostone.com

URL www.manostone.com

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HEAD PROTECTION





HEAD PROTECTION



ANSI CE

V-Gard® H1 Helmet
Trivent, White, Fas-Trac® III Pivot
Available in 3 versions to protect users working at floor level and in working at height applications.

10194783



CE

V-Gard® 930 Vented
Balanced, low profile helmet (available vented and non-vented) with premium integrated over-spectacles.

GVC1A-00000H0-000



CE

V-Gard® 950
Class 1 Helmet
Balanced, lightweight and low-profile electrician helmet with integrated visor.

GVF1A-C0A00HG-000



CE

V-Gard® 950
Class 2 Helmet
Premium integrated Head-, Face- & Neck-Protection offering reliable arc flash protection Class 2 (7kA).

GVF1A-C0AA00I-000



CE

V-Gard® C1™ Hard Hat
The patent-pending **ReflectIR™ Thermal Barrier** works to block the energy of the sun, keeping the inside of the hard hat up to 20°F (11°C) cooler, reducing the risk of heat stress. Available vented and non-vented.

10215828 White



ANSI CE

V-Gard® Full Brim Hard Hat
V-Gard® Cap Style Hard Hat
Polyethylene shell provides superior impact protection. Self adjusting crown to ensure a comfortable fit.

*Different versions available, please ask for the product part number.

ANSI CE

EVO®3 OneTouch Slip Ratchet - Vented



- AJF160-000-100
- AJF160-000-300
- AJF160-000-500
- AJF160-000-600

ANSI CE

EVO®3 Revolution® Wheel Ratchet



- AJE170-000-100
- AJE170-000-500

ANSI CE

EVO®3 Revolution® Wheel Ratchet - Vented



- AJF170-000-100

ANSI CE

EVO®5 Olympus® Wheel Ratchet - Vented



- AKF170-000-100



HEAD PROTECTION

ANSI CSA

SL Series Cap Style Cap Style 6-Point Ratchet
Type 1, Class C, G, and E for industrial head protection



- HP16110
- HP16120
- HP16130
- HP16135
- HP16160
- HP14112*
*4-Point Ratchet

ANSI RIDGELINE

RIDGELINE® Cap Style Vented 4-Point Ratchet
Ridgeline vented cap style hard hats are rated Class C



- HP44110V
- HP44112V
- HP44120V
- HP44130V
- HP44160V
- HP44135*
*4-Point Ratchet

3™ Safety Helmet Series H-700

Full-shift comfort and integrated protection with exclusive suspension system. Ideal for construction, electrical, oil & gas, forestry, heavy and light industry.



- WHITE
- RED
- YELLOW
- BLUE
- ORANGE
- GREEN

Skullerz® 8950 Bump Cap Hat

Comfortable and stylish hat with an impact-resistant shell for protection against bumps, scrapes, bruises and other minor head injuries.

The removable bump cap insert features a patented flanged design and foam cushioning liner for comfort and breathability.



Available in three different brim lengths for unobtrusive wear in cramped work environments



Micro Short Long

- BLACK
- NAVY
- LIME



Baseball Bump Cap

- 409400 Black
- 409500 Red
- 409600 Navy Blue
- 400700 Royal Blue



**EYE & FACE
PROTECTION**



EYE / FACE PROTECTION

ANSI CSA

Premium Safety Glasses



- 95204 Clear
- 95205 Gray
- 95209 Orange

ANSI CSA

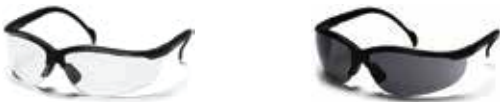
Safety Glasses - Feather Light



- 95212 Clear
- 95212 Smoke
- 95212 I/O

ANSI CE CSA BALLISTIC

Venture II® H2X Anti-Fog Lens



- SB1810ST Clear
- SB1820ST Black

ANSI CSA BALLISTIC

Rendezvous® H2X Anti-Fog Lens



- SB2810ST Clear
- SB2820ST Black

ANSI CE CSA AUS

OTS® H2X Anti-Fog Lens with Black Temples



- S3510STJ Clear
- S3520SJ Gray

ANSI CE CSA

Capstone 500 Series



- GG504T Clear H2X Anti-Fog
- GG504TSHIELD Clear H2X Anti-Fog Face Shield

ANSI CE

G704 Series Goggle



- G704T Clear Anti-Fog

ANSI CE

G200T Goggle



- G200T Clear H2X Anti-Fog Ventless

ANSI

Faceshield



- S1020 Polycarbonate Face Shield

ANSI

HGBR Headgear



- Ridgeline Ratchet Headgear



ANSI CSA

Leadhead® Passive Helmet

- WHP100



ANSI

Hard Hat Adapters

- HHAB Cap Style Hard Hat Adapter



EYE / FACE PROTECTION

- Lightweight, unisex option that combines versatility and value.
- Wraparound design provides extended eye protection and unobstructed viewing.
- U6 rated polycarbonate lenses absorb 99.9% of UVA, UVB, and UVC rays between 200 nm and 380 nm.



3M™ Cap Mount Hard Hat Headgear



■ H18 Blue

3M™ Clear Polycarbonate Faceshield



■ WP96 Clear

M9400 Wraplite

HC Lens



□ ASA718-161-100 Clear



■ ASA718-165-000 Smoke

ANSI CE

Martcare® Impact Goggle

HC Lens



□ AGC010-301-300 Clear

ANSI CE

Martcare® Goggle

Dust & Liquid HC Lens



□ AGC020-301-300 Clear

EVO® Surefit™ Carrier 20cm Visor

Suitable for JSP Evolution® Range of Safety Helmets



□ ANK060-230-000



Polycarbonate Visor

Browguard



**HEARING
PROTECTION**



HEARING PROTECTION



ANSI CE

V-Gard® Helmet-Mounted Hearing Protection

Designed for optimal performance and approved with all MSA industrial hard hats. Highest noise reduction rating on the market, three models : 22-31 NRR (28-36 dB SNR)

☐ 10190356 - 22 NRR / 28dB SNR

Disposable Earplugs



DP1001
Corded

Earplug Dispenser

500 pairs disposable earplugs included

PD500



Gray Cap Mounted Muff



CM6010
Gray

Earmuff



PM3010
Black

CSA

3M™ Foam Ear Plug



1100 Uncorded
1110 Corded

CSA

3M™ Peltor™ LiteCom Pro II & III



MT73H7P3E4D10EU-50

MT73H7A4D10NA

CSA

Peltor™ H510A



87-98 dB

Sonis® Helmet Mounted Ear Defenders



AEB010-0CY-800 26db SNR
AEB040-0C1-A00 36dB SNR

Sonis® Adjustable Ear Defenders



AEB010-0AY-800 27dB SNR
AEB040-0A1-A00 37dB SNR

303L Foamplug



1005073

Leightning L1 Earmuff



1010922
Class 5-29db

Viking V1 Earmuff

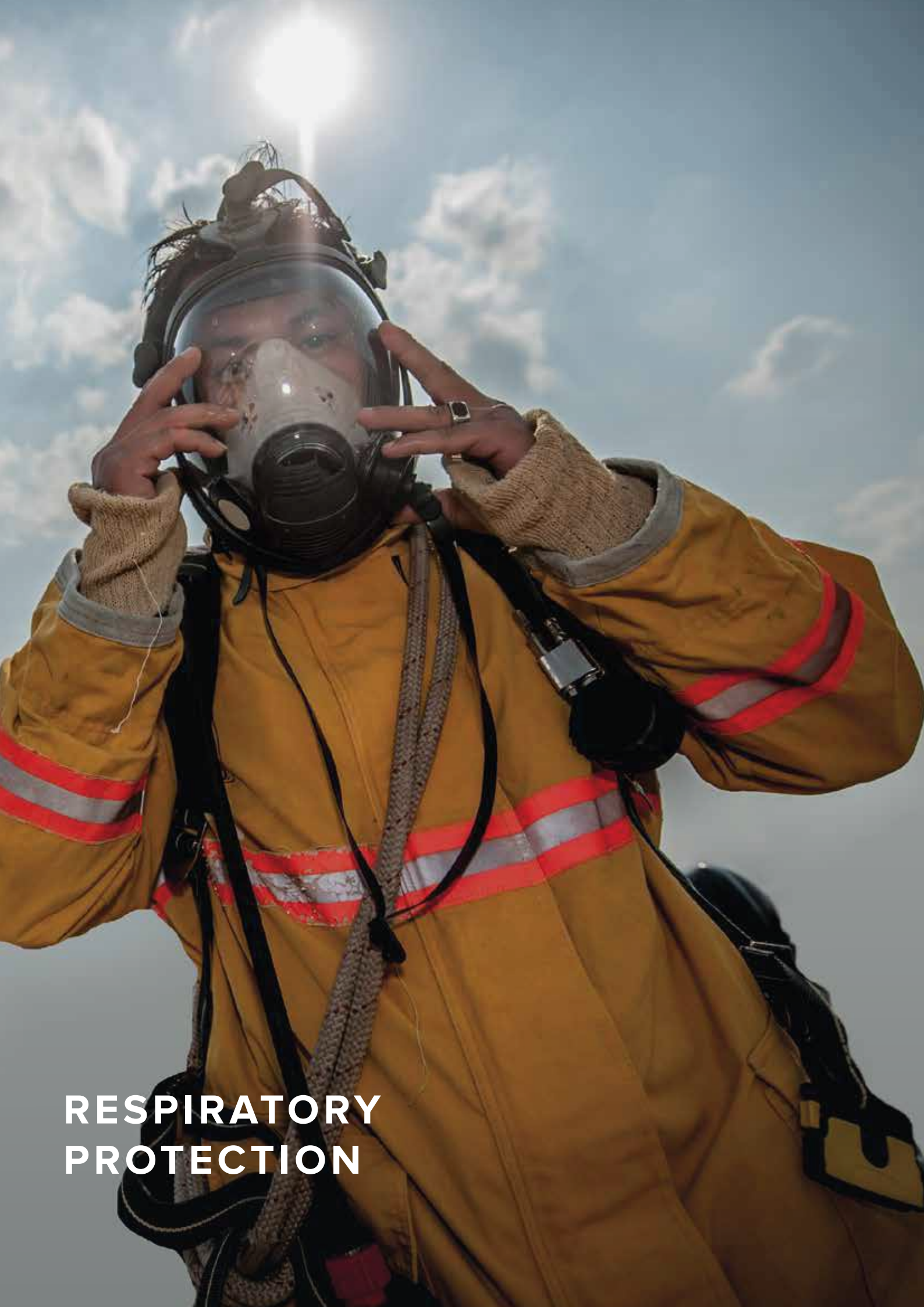


1010925

Comfort Ear Defenders Multi-Position Headband



2E1100



**RESPIRATORY
PROTECTION**



RESPIRATORY PROTECTION

3M™ Particulate Respirator N95



□ 8210

3M™ Particulate Respirator N95

Proprietary 3M™ Cool Flow™ Valve



□ 8210V

3M™ Particulate Respirator N95

3M™ Cool Flow™ Exhalation Valve



□ 8511

3M™ Particulate Respirator N95

Nuisance Level Organic Vapour Relief



□ 8514

3M™ Disposable Respirator

3M™ Cool Flow™ Valve



□ 8835+

3M™ Particulate Respirator N95



□ 9010

3M™ Reusable Half Face Mask



■ 4279

3M™ Half Facepiece

Reusable Respirator - Medium



■ 6200/07025 (AAD)

3M™ Full Facepiece

Reusable Respirator - Medium



■ 6800

3M™ Organic Vapour | Acid Gas Cartridge



■ 6003

3M™ Ammonia and Methylamine Cartridge



■ 6004

3M™ Multi Gas | Vapor Cartridge



■ 6006

SR 100 Half Mask



■ 168600

SR 200 Full Face Mask



■ 164600

NH15 Compact Escape Hood

Don in less than 30 seconds
15 minutes of protection





RESPIRATORY PROTECTION

N95 NIOSH

Light weight, collapse resistance shell

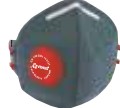


☐ CN95+

☐ CN95ME

SLOV-V FFP2 NR

Fold Flat type with 1-way exhalation vent valve



■ V-414
For Painting

SLV FFP2

Flat fold style with Exhalation Vent Valve



☐ V-420

SLOV-V FFP2

Flat fold style with Activated Carbon



■ V-425
For Welding

V-4200 SERIES

High breathing comfort
Pocket friendly style



■ V-410 SLV



■ V-420 SLV



■ V-430 SLV

V-2430 SLV

Light weight, collapse resistance shell



☐ V-2430 SLV



SABRE ELSA SPRINT

Positive Pressure Escape Breathing Apparatus

Simplicity and robustness combined with performance to European Standard EN402.

- Robust and simple to use, 10 and 15 minute durations available
- Available in 400 and 600 litres breathing air capacity
- Flame retardant cuboid hood for all-round vision
- Lightweight PanaSeal positive pressure facemask
- High visibility carrying bag can be worn in chest or bandolier mode



SABRE FLITE

Positive Pressure Airline Breathing Apparatus with the option of 10, 13 or 15 minute compressed air cylinder supply for escape from the most hazardous environments. Ideal for working in confined spaces the Flite's robust design has been in some of the most arduous working environments including Offshore Oil and Gas production.

- Adjustable and padded webbing bandolier harness for comfort and safety
- Can be used with any positive pressure facemask in the Sabre range
- Optional hip mounted escape cylinders in a range of durations and materials



3M SCOTT SAFETY SIGMA 2

Approved to EN137:2006 Type 2, the 3M Scott Safety Sigma 2 Type 2 Self Contained Breathing Apparatus combines the highest level of respiratory protection in a simple to operate, cost effective piece of equipment that meets the needs of Industrial and marine firefighters.

- Proven high performance pneumatic system
- Compact first breath activated demand valve with bypass
- Ergonomically designed lightweight backplate and type 2 harness

DANGER



H₂S
POISONOUS
GAS

NO TRESPASSING
AUTHORIZED
PERSONNEL ONLY

GAS DETECTION



GAS DETECTION



T4 Personal 4 Gas Monitor

Crowcon T4 gives compliance to customers who want the 4 most popular sensor options and data capacity in a rugged, simple to operate device.

Carbon Monoxide (CO) • Hydrogen Sulphide (H₂S) • Flammable Gases • Oxygen Depletion (O₂)



Gas-Pro Personal Multi-gas Monitor

Crowcon Gas-Pro multi gas detector offers detection of up to 5 gases in a compact and rugged solution. It has an easy-to-read top mount display making it easy to use and optimal for confined space gas detection.

An optional internal pump, activated with the flow plate, takes the pain out of pre-entry testing and allows Gas-Pro to be worn either in pumped or diffusion modes.



Clip SGD

Personal Maintenance Free Single Gas Monitor

Clip Single Gas Detector (SGD) is designed for use in hazardous areas and offers reliable and durable fixed life monitoring in a compact, lightweight and maintenance-free package. Clip SGD has a 2-year life and is available for hydrogen sulphide (H₂S), carbon monoxide (CO) or oxygen (O₂).

Easy to Maintain

Changeable alarm levels	Ensures compliance with changing regulations or company procedure
Clip SGD docking station	Keeps monitors correctly configured without service or technician team
'Bump test due' indication	Alerts the user and team members that the monitor is not compliant

User Friendly

Compact and lightweight	Non-intrusive and comfortable to wear
Single button operation	Delivers simplicity for users Reduces training time

Efficient

Wide operating temperature range	Effective in a wide variety of harsh environments
IP66 and IP67	

Accurate

Countdown and real time readings available	0.1 resolution for hydrogen sulphide
--	--------------------------------------

Clip SGD Docking Station

The **Clip SGD Docking Station** provides bump testing, event management and calibration from a simple to use multi-unit station and gives fleet or safety managers the ability to update configurations on large fleets. It also maintains the all important event logs that demonstrate users are working within company requirements.

Gas usage controlled	Lowest the cost of bump testing
Manages calibration	Manages calibration and stores records of the event
Flexible	Can monitor a wide array of test parameters and detector settings, providing excellent traceability
All data is stored in a USB stick	Simple to transfer the data
Rechargeable battery or power	Ideal for in-vehicle or multi-site use
Holds up to 4 Clips at once	Faster testing of larger fleets





GAS DETECTION



ALTAIR® 5X

ALTAIR 5X Multigas Detector With MSA XCell® Sensor Technology

MSA Exclusive Features

- Fully compatible with MSA Link Software and MSA Galaxy Automated Test System
- Advanced MotionAlert and InstantAlert safety features
- High performance MSA XCell Sensors
- End of XCell Sensor life warning

Product Features

- Variety of optional MSA infrared sensors
- Robust integral pump for consistent flow
- High contrast color or monochrome display
- Large buttons for easy operation
- 24-hour bump checkmark
- Durable, rubberized housing for secure grip



Ventis® MX4

Product Features

- Detect up to four gases with a wide range of sensor options.
- Save time and reduce human error.
- Non-pumped instruments compatible with 12-hour, 18- hour or 20-hour batteries.



Radius™ BZ1 Area Monitor

Product Features

- Detect up to seven gases simultaneously
- Cut through high-noise environments with alarms.



The first wireless platform that allows area monitors and personal monitors to share gas readings and alarms.

- No infrastructure required
- Out-of-the-box operation
- Long-range communication up to 300 m (~1,000 ft) w/o sacrificing runtime
- View peer readings from Radius BZ1 Area Monitors and Ventis Pro Series personal monitors within a group
- No need for IT setup
- Self-forming, self-healing networks



DSX™ Docking Station and patented DualSense® Technology

- Automatically bump, calibrate, manage settings, and update software for the removable, patent-pending SafeCore® Modules using DSX™ Docking Stations.
- Have confidence that gas readings are accurate and workers are safe, even when instruments are deployed for an extended period without maintenance, thanks to the redundant sensors in patented DualSense® Technology.
- Configure your monitors, in your language, using text-based menus.



GAS DETECTION



QuantiFit2[®]

The industry leader in respirator fit testing.



The **QuantiFit2™** by OHD is a highly specialized instrument that utilizes scientifically proven and patented Controlled Negative Pressure (CNP) technology to directly measure respirator leakage.

This innovative technology performs fastest, easiest, and most precise respirator fit test available, ensuring the best protection and fit for end users.

The world's first quantitative user seal check device.



The **OHD QuantiCheck®** is the fastest and most accurate quantitative respirator user seal check device for masks. It allows the user to check the seal of a respirator with every donning.

Used in conjunction with an approved Fit Test program, the **QuantiCheck®** is designed to indicate to the user that an adequate seal has been made, or if adjustments are needed every time the mask is worn. The system checks not only the face seal but the whole mask system for breaches or integrity issues that could cause leaks during use.



GAS DETECTION



Chemical Safe Havens

The MineARC ChemSAFE Standard Design Range

Designed to provide a 'safe-haven' for personnel in the petrochemical industry, suddenly trapped in a hazardous or toxic environment.

Standard configurations are available based on occupancy – from 8 to 30 people.

Features

- Series IV Scrubbing System with pre-packaged CO₂ chemicals
- Blast rating: 5psi
- iVAN voice prompt system
- GuardIAN Remote Monitoring and Diagnostics System
- Aura-FX Digital Gas Monitoring System
- Positive Pressure Flushing System
- Air conditioning and dehumidifying
- Internal lighting / external warning lights and siren
- 12-hr minimum backup power supply (UPS)
- Internal or external vestibule

MineARC System Intelligence

GuardIAN Remote Monitoring & Diagnostics System

Enables real-time monitoring; providing confidence that an operation's fleet of safe havens are emergency ready at all times.



GuardIAN is a standard feature of the ChemSAFE Standard Design.

GuardIAN Live Video Monitoring and VOIP Video Phone

Internal video monitoring is provided by a remote controlled, motion activated GuardIAN IP camera.



To assist occupants during an emergency or safety drill, GuardIAN also equips your safe haven with a VOIP video phone

GuardIAN System Monitoring, Event Logging and Fault Diagnostics

MineARC's Series IV Digital Controller links directly to GuardIAN, streaming real-time system data to a control room(s).



System faults, events and scheduled service notifications can be sent to designated personnel as email alerts.

Aura-FX Digital Gas Monitoring Diagnostics

MineARC's new Aura-FX Digital Gas Monitoring System is a proprietary fixed gas monitoring unit, designed specifically for use in MineARC refuge chambers and safe havens.



Aura-FX is a standard feature of the ChemSAFE Standard Design.



GAS DETECTION

Scalable and Flexible Welding Habitat Solutions

StS provides scalable and flexible welding habitat solutions, from the most basic to the most advanced, which permits all hot work to be performed in a timely manner in any situation and to every clients' specifications.



Sts Habitat Panel System - Certified for 550 °C

StS Panel design is constructed to be durable, flexible and safe, with market leading fire-retardant capabilities and with fire-retardant zippers.

The high quality of the panels eliminates the need for use of fire blankets, saving both time and cost for the end users. The habitat panel system is module based for maximum flexibility and features a wide array of panels, giving the end user limitless possibilities for construction.

- Standard Panels
- Inlet Panels
- Window Panels
- Custom Panels
- Bag Panels
- Escape Panels
- Door Panels



Hot Work Habitat StS System

Hot Work Habitat StS System I Certified for Zone 1 and 2 50/60 Hz (Standard)

The system 1 habitat blower is the most basic habitat option and is considered a 'plug & play' system that is easily transportable, yet functional for multiple uses.

- GSM - Gas Sensing Module
- PDM - Pressure Differential Module (Additional equipment)
- Inside Alarm Unit (Additional equipment)



Hot Work Habitat StS System II Certified for Zone 1 and 2 50/60 Hz (Standard)

A more complete and advanced setup than the basic system 1, with a market leading high-power fan suitable for inflating and maintaining positive pressure in medium to large habitats.

- GSM - Gas Sensing Module
- PDM - Pressure Differential Module
- Inside Alarm Unit

Hot Work Habitat StS System III Certified for Zone 1 and 2 50/60 Hz (Standard)

Maximum gas detection capabilities with four independent gas detectors which can be placed where the highest likelihood of gas leaks is present. LEL gas detector in fan intake, H2S as an additional option.

- GSM - Gas Sensing Module
- PDM - Pressure Differential Module
- Inside Alarm Unit
- Fan Unit
- Power Control Unit



GDAS

Gas Leak Detection and Breathing Air Systems for Red Zone Vehicles

GAS LEAK DETECTION AUTOMATIC ENGINE SHUTDOWN SYSTEM

has been developed for use in any passenger vehicles and heavy lifting equipment such as Mini Bus, Pickup Trucks, SUV, Forklifts, Crane etc. used at any oil & gas industries.

The system is equipped to measure LEL gas level in the atmosphere and control the automotive vehicle by shutting down the engine immediately when LEL crosses predefined limits.

In addition, the system also monitors & alarms H2S gas level and breathing air levels in the tank, with the left out time indication.

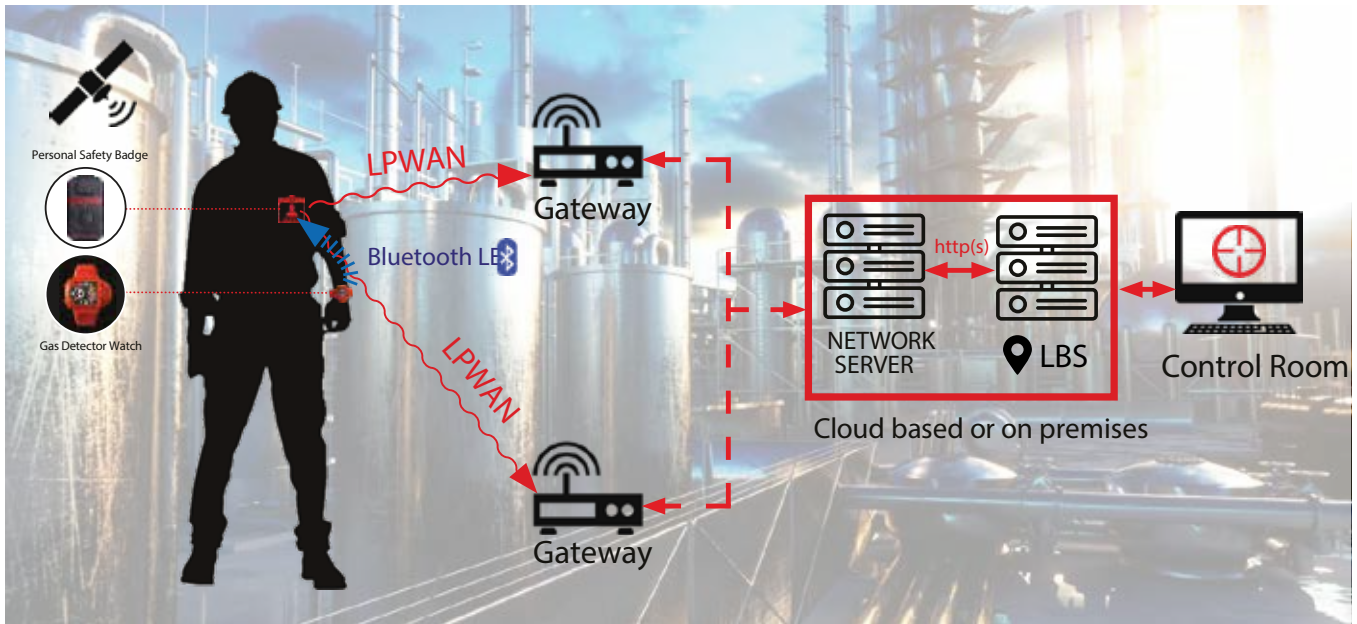


KEY FEATURES

- Continuous LEL GAS LEVEL Monitoring & Automatic Engine Shutdown prevents sudden over speeding of vehicle due to increase of LEL Gas levels. Engine Auto shut-down also isolates Battery from all vehicle electronic & electrical devices.
- Audio Visual Warning alerts Driver & Passengers about the Gas level changes with Gas specific colored beacons. Beacon & Sounder are equipped outside the vehicle, with high visibility & audibility.
- GDAS becomes integrated device of the vehicle & Allows ignition ON only if Gas levels are safe. (Can be bypassed with authenticated access setting for non-hazardous location use)
- H2S Gas level monitoring & Alarms to alert passengers to use breathing air apparatus.
- Continuous Breathing air monitoring with time left out & critical low alarm.
- Continuous Data logging into a solid state drive thus enabling Historical trend analysis of gas levels.
- Operable in-vehicle with electrical systems ranging from 12VDC or 24VDC. With the Power consumption of less than 20W (peak).
- Operating Ambient Temperature from -20°C to +50°C.
- Devices & Components equipped are ATEX compliant and offered with IP66 or IP54 rated enclosures.
- Complete vehicle electrical Isolation during emergency auto shutdown condition.
- Independent ATEX battery backup (UPS) for system operation during emergency electrical isolation.
- Access Key to switch ON the equipment for Secure System Access.
- Software 3-Level Authentication for Secure Software settings access.
- Flexibility to configure the system safety Limit and Alarm limit by authorized user. Within the fixed safe range of values.
- Redundant secondary leak detection & display system with independent warning alarm limits. (Optional)



GAS DETECTION



North Eagles' Smart Network transmits, in real time, the alarm generated by the gas detector watch together with the geolocation of the event and additional functions such as man-down information. The Smart Network is also able to monitor the access to restricted areas.



GAS
DETECTOR
WATCH



PERSONAL
SAFETY
BADGE (PSB)



GATEWAY



CHARGING
RACK

ALARM TRANSMISSION, WORKFORCE & ASSETS TRACKING

ALARM TRANSMISSION

As soon as the gas leak is detected, the watch transmits the alarm in real time to the control room.

PERMANENT GEOLOCATION (POB, HEADCOUNT)

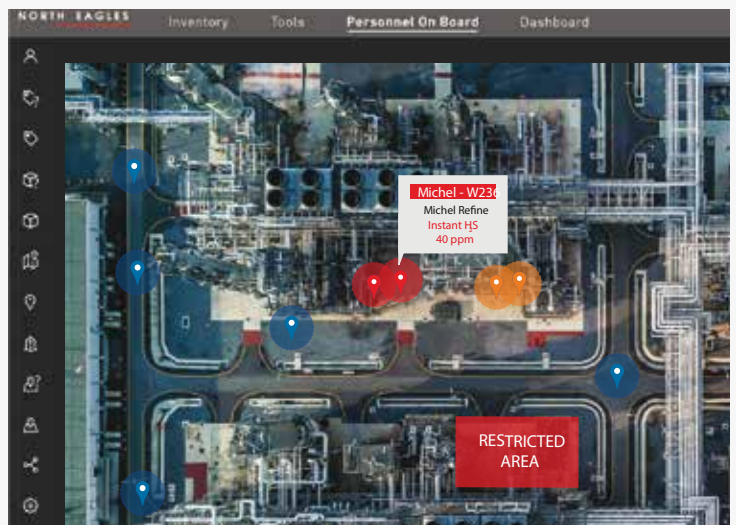
The geolocation of all the workers and all your assets is permanently available on the screens. This function allows you to know at any time who is present on site. If no gas leak is detected, all the markers on the screen are blue.

ALARM MODE GEOLOCATION

On the screens, the geolocation of all the workers is visible.

- Markers are blue - detected gas concentration is BELOW the first threshold value.
- Markers are orange - detected gas concentration is ABOVE the first threshold value.
- Markers are red - detected gas concentration is ABOVE the second threshold value.

By clicking on the markers, the ID of the concerned worker is available, with the gas concentration.



HAND PROTECTION





HAND PROTECTION

MaxiFlex® Ultimate™ with AD-APT®

The benchmark for precision handling in dry environments.



42-874
Palm coated knitwrist

MaxiFlex® Elite™

Only 14 grams. The lightest and thinnest MaxiFlex® for extreme dexterity.



34-274
Palm coated knitwrist



34-774B
Palm coated knitwrist

MaxiFlex® Endurance™ with AD-APT®

The raised dots offers increased cushioned for doing repetitive jobs or carry heavy loads.



42-848
Palm coated knitwrist



42-847
Drivers style knitwrist

MaxiDry®

Super thin, flexible, dexterous and comfortable.



56-425
3/4 Coated knitwrist



56-426
26 cm Gauntlet

MaxiFlex® Cut™

Cut resistant MaxiFlex® that remains super thin, flexible, dexterous and comfortable. DMF free and free from SVHCs (REACH).



34-8743
Palm coated knitwrist

MaxiCut® Oil™

Combines cut protection with comfort, flexibility and dexterity for oily and wet environments.



34-504
Palm coated knitwrist



34-304
Palm coated knitwrist

MaxiTherm®

For general handling in cold conditions. Made with natural latex on a synthetic liner with a patented non slip grip coating.



30-202
3/4 Coated knitwrist

MaxiCut® Ultra™

Latest cut offering for dry environments that integrates the core values of MaxiCut® into a thinner, more comfortable and durable package.



44-3745
Palm coated knitwrist



89-5745
45 cm protection sleeve

MaxiChem® with TRltech™

Built with our innovative TRltech™ technology that enables it to be 30% thinner and 100% more comfortable whilst maintaining good mechanical performance.



76-830
NBR Coated

MaxiFoam®

Designed for general purpose handling in dirty conditions. Nitrile foam on a seamless nylon liner.



34-800
Palm coated knitwrist



34-900
Palm coated knitwrist



HAND PROTECTION



Edge® Impact Gloves

■ 48-205



ActivArm® Impact Gloves

■ 97-125



TouchNTuff®
Disposable Gloves

■ 92-600
Nitrile

■ 92-670
Nitrile

FLEX Nitrile Half-Dip



■ 065

ROUGHNECK® Tefloc



■ R-267

ROUGHNECK® Kevloc



■ 297

R-138 TURBO PLUS



■ R - 138

RINGERS® R259B



■ R259B

RINGERS® R161



■ R161

**Unlined Grain-Leather
Gloves**



■ 1255800

**Palm Latex-Coated
Gloves**



■ 1234500

**Leather Welders
Gauntlet**



■ 1200310

**Lightweight Dotted Grip
Gloves**



■ 1275100

**Double-Dotted Grip
Gloves**



■ 1275209

**Split-Leather Rigger
Gloves**



■ 1221700



**BODY
PROTECTION**



BODY PROTECTION



ANSI CE

60140 - Desert / Tropical Non-FR Coverall

- 100% Non-FR Cotton (Quality 40)
- Five pockets and concealed non-sparking YKK® front zipper
- 100% brass press stud covered on the inside



ANSI CE

61140 - Desert / Tropical Non-FR Coverall

- 100% Non-FR Cotton (Quality 40)
- 2" (50mm) wide reflective non-FR striping around arms, legs and over the shoulders



ANSI CE

60640 - Desert / Tropical Non-FR Coverall

- 100% Non-FR Cotton (Quality 40)



ANSI CE

60040 - Desert / Tropical Non-FR Coverall

- 100% Non-FR Cotton (Quality 40)



ANSI CE

61111 - Desert / Tropical FR Coverall

- Red Wing FlashGuard® TM, (Quality 11)
- Flame Resistant | Anti-Static Garment
- Electric Arc Flash I CAT2
- 2" (50mm) wide reflective FR striping around arms, legs and over the shoulders



ANSI CE

61115 - Desert / Tropical FR Coverall

- Daletec®, (Quality 15, 502251)
- Flame Resistant | Anti-Static Garment
- Electric Arc Flash
- 2" (50mm) wide reflective FR striping around arms, legs and over the shoulders



ANSI CE

60611 - Desert / Tropical FR Coverall

- Red Wing FlashGuard® TM, (Quality 11)
- Flame Resistant | Anti-Static Garment
- Electric Arc Flash I CAT2



ANSI CE

61611 - Desert / Tropical FR Coverall

- Red Wing FlashGuard® TM, (Quality 11)
- Flame Resistant | Anti-Static Garment
- Electric Arc Flash I CAT2
- 2" (50mm) wide reflective FR striping around arms, legs and over the shoulders



ANSI CE

61811 - Desert / Tropical FR Vented Coverall

- Red Wing FlashGuard® TM, (Quality 11)
- Flame Resistant | Anti-Static Garment
- Electric Arc Flash I CAT2



ANSI CE

66315 - FR Shirt

- Daletec®, (Quality 15, 502251)
- Flame Resistant | Anti-Static Garment
- Electric Arc Flash



ANSI CE

66311 - FR Work Shirt

- Red Wing FlashGuard® TM, (Quality 11)
- Flame Resistant | Anti-Static
- Electric Arc Flash I CAT2
- Front button closure | Button cuffs
- Two chest pockets with button-down flaps



ANSI CE

66340 - Non-FR Work Shirt

- 100% Non-FR Cotton
- Front button closure | Button cuffs
- Two chest pockets with button-down flaps



BODY PROTECTION



66415 - FR Plain Front Trouser

- Daletec®, (Quality 15, 502251)
- Flame Resistant | Anti-Static Garment
- Electric Arc Flash

Color Code

- 51 Tan
- 52 Petro Blue
- 53 Navy Blue
- 55 Red
- 56 Graphite Gray
- 57 Orange
- 59 Yellow
- 76 Light Gray



66411 - FR Plain Front Trousers

- Red Wing FlashGuard® TM, (Quality 11)
- Flame Resistant | Anti-Static
- Electric Arc Flash | CAT2
- Two deep side pockets
- Two back pockets, both with button closure



66440 - Non-FR Plain Front Trousers

- 100% Non-FR Cotton (Quality 40)
- Two deep side pockets
- Two back pockets, both with button closure



66811 - FR Plain Front Trousers

- Red Wing FlashGuard® TM, (Quality 11)
- Flame Resistant | Anti-Static
- Electric Arc Flash | CAT2
- Work trousers with the relaxed fit featuring eight pockets



62115 - Temperate FR Jacket

- Daletec®, (Quality 15, 502251)
- Flame Resistant | Anti-Static
- Electric Arc Flash
- 2" (50mm) wide reflective FR striping around arms and over the shoulders



62360 - Temperate Jacket

- 60% Polyester | 40% Cotton
- Fully insulated
- 53 Navy Blue



69018 - Soft Shell Jacket

- 90% Polyester | 10% Cotton
- Windproof | Water Resistant
- 93 Black | Red



69007 - Soft Shell Jacket

- 93% Polyester | 7% Spandex
- Oil Resistant | Windproof | Water Resistant
- 62 Black | Red



62965 - Temperate Jacket

- 65% Polyester | 35% Cotton (Quality 65)
- Fully insulated
- 53 Navy Blue



76182 - Soft Shell Jacket

- Windproof functional soft-shell jacket
- Water-resistant and fully-lined for warmth
- 54 Royal Blue



62915 - Temperate FR Jacket

- Daletec®, (Quality 15, 502251)
- Flame Resistant Garment | Anti-Static
- Insulated | Wind and Water Resistant
- Electric Arc Flash
- 53 Navy Blue
- 55 Red



BODY PROTECTION



ANSI CE

63090 - Insulated Hi-Vis Jacket

- Insulated | Water Resistant | Windproof
- 50 mm reflective strip for enhanced visibility

63 Orange 73 Yellow



ANSI CE



77002 - Neck Gaitor FR

- Flame Resistant | Anti-Static Garment

51 Tan 53 Navy Blue



ANSI CE

69037 - Women's Soft Shell Jacket

- Windproof ladies hip-length jacket
- Oil-resistant | Water-resistant and breathable

72 Pink | Gray Petro Blue | Navy Blue (68) 65 Forest Green



ANSI CE

Type R - Class 2 Hi-Vis Safety Vest

- 2" silver reflective material with 4" contrasting color trim
- 8 pockets: 5 outside, 3 inside

RVZ2410 Lime RVZ2420 Orange



ANSI CE

Yellow Hi-Vis Vest

- Hook and Loop Front Fastening
- Two bands and braces of reflective tape

1880500 Lime 1880400 Orange



ANSI CE

Contract Body Warmer

- Two lower cargo pockets with hand-warmer openings

8A8100 Navy Blue



Chill-Its® Evaporative Cooling Vest

- Lightweight cooling
- Breathable comfort

6665 Hi-vis Lime



Chill-Its® Evaporative Cooling Towel

- Instant cooling relief | Long lasting
- Heat stress prevention

6602 Blue





**FOOT
PROTECTION**



FOOT PROTECTION



ANSI CE AT EH

6715 - ZERO-G LITE Men's Oxford
Full Grain Leather



ANSI CE AT EH

6717 - ZERO-G LITE Men's Slip-On
Full Grain Leather



ANSI CE AT SD

6719 - ZERO-G LITE Men's Chukka
Full Grain Leather (Brown)



ANSI CE AT EH

6720 - ZERO-G LITE Men's Chukka
Full Grain Leather (Black)



ANSI CE AT EH

6721 - ZERO-G LITE Men's Slip-On
Full Grain Leather (Brown)



ANSI CE AT SD

6722 - ZERO-G LITE Men's Slip-On
Full Grain Leather (Black)



ANSI CE AT R|W LEATHER

2321 - Women's Slip on
Full Grain, Water-Resistant Black Star Leather



ANSI CE ST PR

8202 - Women's Chukka
Full Grain Black Dottie Leather



ANSI CE NT EH R|W LEATHER HRD StarGrip

READIFLEX Men's Oxford
6646 Full Grain Star Leather (Black)
6647 Full Grain Worn Saddle Leather (Brown)



ANSI CE ST

8701 - Men's Oxford
Polyurethane Coated Split Leather



ANSI CE AT EH

6692 - TRUHIKER Men's 5-inch Hiker Boot
Full Grain Gaucho Crazy Horse Leather



ANSI CE NT PR

9231 - WORX Men's 5-inch Boot
Full Grain Leather (Brown)



ANSI CE ST EH PR SWEN-FLEX²

8286 - WORX Men's 5-inch Boot
Full Grain Brown Leather



NT PR EH

3252 - ComfortMax OTF
Full Grain Leather (Black)

ST Steel Toe

AT Aluminum Toe

NT Non-Metallic Toe

MT Metatarsal Guard

PR Puncture Resistant

AN Ankle Protection

Static-Dissipative

Waterproof

Insulated

EH Electrical Hazard

Electrostatic Dissipative



FOOT PROTECTION



ANSI CE NT EH PR L-protection

3254 - COMFORTMAX Men's Oxford
Full Grain Leather (Black), Waterproof



ANSI CE NT EH PR L-protection

3251 - COMFORTMAX Men's Oxford
Full Grain Leather (Brown)



ANSI CE NT PR MT AN EH L-protection

3241 - ULTRAGUARD Men's 8-inch Boot
Full Grain Leather (Black)



ANSI CE ST EH PR

8298 - WORX Men's 9-inch Pull-On Boot
Full Grain Leather (Brown)



NT PR EH

3253 - ComfortMax OTF
Full Grain Leather (Brown)



ANSI CE NT EH PR HR

9232 - WORX Men's 9-inch Pull-On Boot
Full Grain Leather (Brown)



ANSI CE ST EH R|W LEATHER SUPERSOLE

2233 - SUPERSOLE Men's 8-inch Boot
Full Grain, Water-Resistant Velva Boomer Leather



ANSI CE ST EH PR SWEN-FLEX R|W LEATHER SUPERSOLE

8241 - SUPERSOLE Men's 9-inch Pull-On Boot
Full Grain, Water-Resistant Brown Boomer Leather



ANSI CE ST EH PR SWEN-FLEX R|W LEATHER SUPERSOLE

8212 - SUPERSOLE Men's Chukka
Full Grain Brown Leather



ANSI CE ST EH PR SWEN-FLEX R|W LEATHER SUPERSOLE

8231 - SUPERSOLE Men's 11-inch Pull-On Boot
Full Grain, Water-Resistant Brown Boomer Leather



ANSI CE ST EH PR

59006 - INJEX 17-inch Pull-on Boot
Solid one-piece upper for seamless, leak-resistant durability



ANSI CE ST EH PR SWEN-FLEX R|W LEATHER SUPERSOLE

8264 - SUPERSOLE Men's 9-inch Pull-On Boot
Finished Split Brown Leather



FOOT PROTECTION



ANSI CE NT PR MT AN HRB SOA

3208 - PETROKING 8-inch Boot
Extremely lightweight and flexible,
best-in-class slip and heat resistance



ANSI CE NT PR COMFORTGARD HRB SRC

PETROKING LT Men's 6-inch Boot
3205 | 3225 Full Grain Leather (Black)



ANSI CE NT PR COMFORTGARD HRB SRC

3207 - PETROKING LT Mens' 8-inch Boot
Full Grain Leather (Black)



ANSI CE NT PR COMFORTGARD HRB SRC

3228 - PETROKING LT Mens' 8-inch Boot
Full Grain Leather (Brown)



ANSI CE NT PR COMFORTGARD HRB SRC

3229 - PETROKING LT Mens' 8-inch Boot
Full Grain Leather (Brown)



ANSI CE NT EH PR BOA

3295 - SHIELDLITE Men's Athletics
Direct Attach, ReboundFlex



ANSI CE AT EH

6338 - ATHLETICS Men's Athletic
Abrasion Resistant Mono - Mesh



ANSI CE NT EH PR

3259 - SHIELDLITE Men's Athletics
Flexible and lightweight with strategic
high-rebound cushioning



ANSI CE NT

3210 - FLEXBOND Men's Oxford
Polyurethane Coated Black Leather



ANSI CE NT EH HRB NEW ARRIVAL

2348 - COOLTECH™ Women's Athletic
Women's lightweight, light duty shoes



Visitor Safety Overshoes

Ultra-light toe cap made of
aluminium / titanium alloy



Visitor Premium Safety Overshoes

Outstanding grip coefficient (SRC)



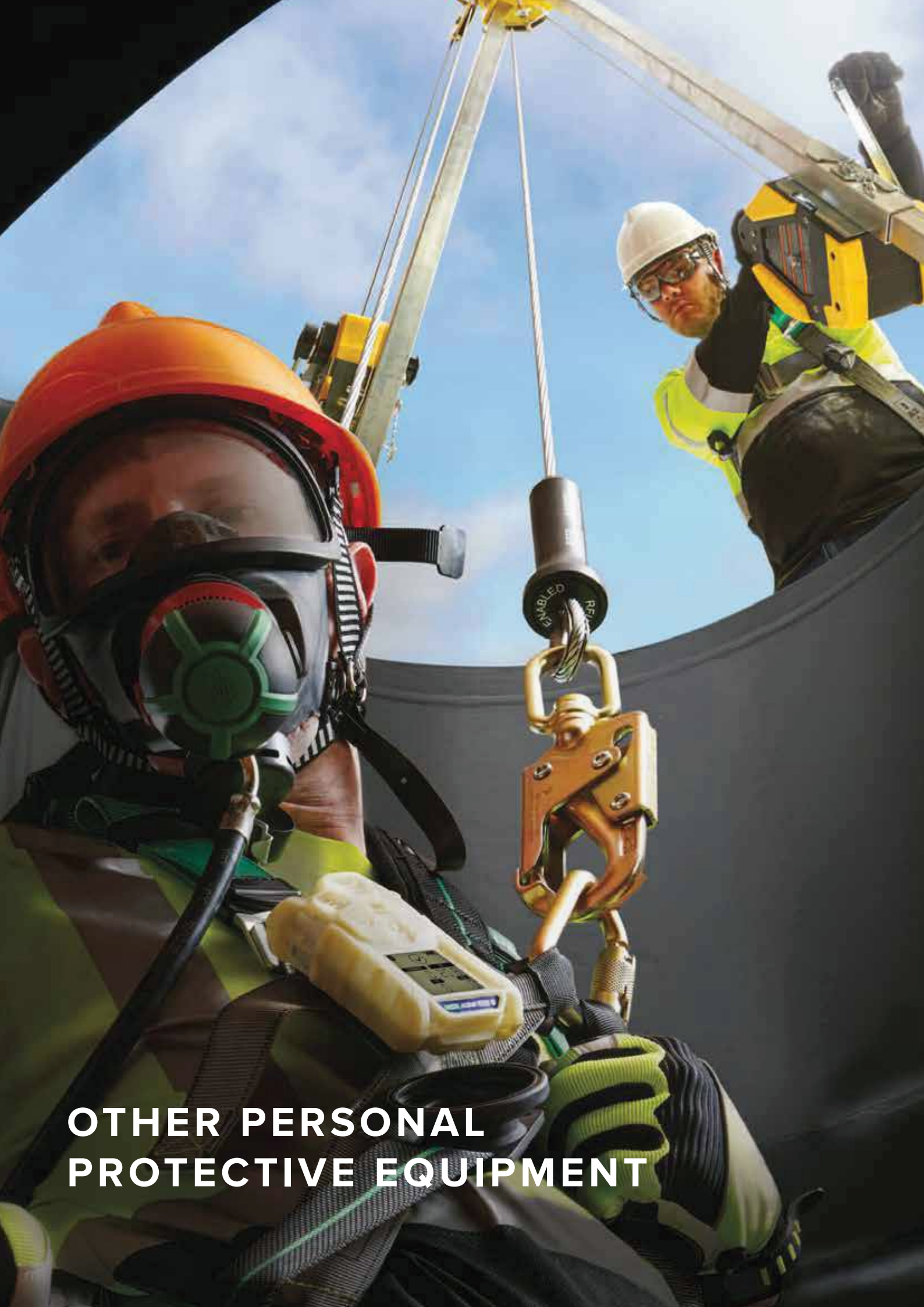
Visitor Integral Safety Overshoes

Antipuncture sole achieved
with composite textile



	S				M				XL						
UE Sizes	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48+
UK Sizes	1,5	2,5	3,5	4,5	5,5	6	6,7	7,5	8	9	9,5	10,25	11	11,8	13+
US Woman	4	5	6	7	7,5	8	8,5	9,5	10	11					
US Man					5,5	6,25	7	7,75	8,5	9,5	10	10,75	11,5	12,3	13+

	S				M				L				XL	
UE Sizes	34	35	36	37	38	39	40	41	42	43	44	45	46	47
UK Sizes	1,5	2,5	3,5	4,5	5,5	6	6,7	7,5	8	9	9,5	10,25	11	11,8
US Woman	4	5	6	7	7,5	8	8,5	9,5	10	11				
US Man					5,5	6,25	7	7,75	8,5	9,5	10	10,75	11,5	12,3



**OTHER PERSONAL
PROTECTIVE EQUIPMENT**



FALL PROTECTION



ANSI

V-FIT™ Derrick Harness

Standard size,
Back, Chest & Hip D-Rings,
Tongue Buckle Leg Straps,
Shoulder and Lumbar
Padding

■ 10195205



ANSI

V-FORM+™ Safety Harness

Standard size,
Back D-Ring,
Tongue Buckle Leg Straps,
Body Conforming
Shoulder Pads

■ 10205845



CE

V-FORM™ Safety Harness

Standard size,
Back, Chest,
Hip D-Ring,
With Waist Belt,
Qwik-Fit Leg Buckles

■ 10206049



ANSI

V-FORM+™ Safety Harness

Standard size,
Back D-Ring, Qwik-Fit
Leg Straps, Quick
Connect Chest Buckle

■ 10207680



ANSI

V-FORM™ Safety Harness

Standard size,
Back D-Ring,
Qwik-Fit Leg
Buckles

■ 10197196



ANSI

V-FLEX™ Safety Harness

Standard size, Back
D-Ring, Quick Connect
Leg Straps,
Superior Comfort

■ 10196069



ANSI

PointGuard Residential Anchorage Connector Strap with D-Ring, 3'

■ 10042792



ANSI

V-Series™ Standard Adjustable Energy Absorbing Lanyard

6', 36CL Large
Snaphooks

■ 10191757 single-leg
■ 10191758 twin-leg



CE

Energy Absorbing Lanyard

1.5m, Webbing,
Twin Leg, Steel
Screwgate Carabiner,
Steel Scaffold Hook

■ 10185612



ANSI

V-TEC™ Standard Cable SRL

Galvanized Cable,
Steel Swivel Snaphook

■ 63215-00A
50' (15m)



ANSI

V-TEC™ Mini PFL

6' (1.8m), Single -Leg,
AL36CL Snaphook,
Steel Carabiner (Top)

■ 63011-00A



ANSI

V-TEC™ Mini PFL

6' (1.8m), Twin-Leg,
AL36CL Snaphooks

■ 63111-00A



ANSI

Latchways Sealed SRL

Stainless Steel Cable

■ 62816-00US - 50' (15m)
■ 62826-00US - 85' (25m)
■ 62841-00US - 130' (40m)



ANSI

Confined Space Entry Kit

Workman CSE Kit,
50' Workman Rescuer,
65' Workman Winch,
Stainless Steel Cable,
(2) Pulleys, (2) Carabiners

■ 10163033 Silver



ANSI

Suspension Trauma Safety Step Without Carabiner

Designed to help workers
in a post-fall suspension
position avoid the effects
of suspension trauma.

■ 10143347



ELECTRICAL PROTECTION



Insulating Mat Class 0

Ultra Lightweight Mat facilitating usual Low Voltage Operations

- TTCL0 0.6X0.6
- TTCL0 0.6X1



PENTA-POLE

Multi-purpose Telescopic Insulating Stick

- PPOL3/035USC 3.80 m
- PPOL4/050USC 5.00 m
- PPOL5/060USC 6.40 m



LV Voltage Detector

Device protected against over-voltage 1000VCAT IV for network operation

- TAG780V simple detection
- TAG780R with phase rotation indication
- TAG780V with digital display



Probe Extension Set for TAG780

The probe extension set enables the operator to use the voltage detector TAG780 on overhead networks and connection boxes

- ANT780



MV Voltage Detector

Calibrated on real voltage via remote control

- VEC 0310 3kV to 10kV
- VEC 1036 10kV to 36kV



Remote controlled Hydraulic Spiking and Cutting Tool

Electronic locking of the tool when battery runs low

- PICOUP400



HV Voltage Detector

Designed to check the absence of nominal voltage circuit of high to very high voltage systems - 50kV to 765kV

- HTAG060090FC 60-90 kV
- HTAG090225FC 90-225 kV
- HTAG220400FC 220-400 kV



Insulating Rescue Stick

Rescue stick 45 kV with protective handguard and hook

- TP12 45KV



E-Shark Helmet

Safety helmet with **INTEGRATED FACE SHIELD** for electricians

- TC42ESBB



GLB Insulating Latex Gloves

- GLB00-36
- GLB0-36



Electrical Safety Kit

The electrical safety kit allows to assist people in presence of electrical hazards

- VES36OB

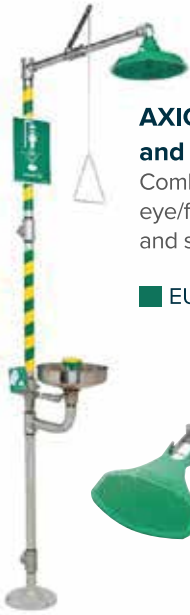


ALADIN Individual Voltage Alarm with Headlamp

- ALADINCEFC with headlamp
- ODINCEFC without headlamp



OTHER ACCESSORIES



AXION® MSR Emergency Shower and Eye / Face Wash

Combination emergency shower & eye/face wash with AXION® MSR eye/face wash and showerhead

EU-8300-8309



Foot Treadle

Wall mounted foot control assembly, including powder-coated aluminum treadle and wall bracket for hands free activation of eyewash

EU-SP220W



Portable Gravity Fed Eyewash

9 gallon (34.1 L) gravity operated portable eyewash

EU-7501



Portable Gravity Fed Eyewash

16 gallon (60.6 L) gravity operated portable eyewash

EU-7500

Thermal Protection Jacket

White thermal protection jacket for 7500 series gravity eyewashes.

9125



Chin Strap

Elastic chin strap with chin cup for a comfortable fit

HPCSTRAP



Cords Lanyard

Polyester Lanyard Loop Cord

CORDS



Hygienic Cleaning Wipes

100 Individually Packaged Alcohol Free Hygienic Wipes

HCW100



Zippered Spectacle Case

CA200B



Lens Cleaning Towelettes

100 Individually Packaged Lens Cleaning Towelettes

LCT100



Lens Cleaning Station

with 8 oz cleaning solution and 600 tissues

LCS10



Confined Space Tripod

Suitable for use on uneven surfaces

FAR1003



Confined Space Winch

Galvanized steel body
Nylon moulded cover & beam for wire winding

FAR1004



Pioneer™ Fall Protection Kit

Pioneer™ 1-point Full Body Harness
With one dorsal attachment D-ring for fall arrest
Shoulder, leg and chest straps are adjustable

FAR0201



Spartan™ 2m Tail Lanyard

Weight 390g

FAR0305 2 steel karabiner

FAR0307 1 steel karabiner and 2 steel scaffold hook



OTHER ACCESSORIES



MICROGARD® 1500 PLUS Disposable Coverall

Highly breathable anti-static SMS fabric to ensure good filtration efficiency

■ MICROGARD 1500 Blue



MicroMax® Coverall

Open wrists and ankles for easy donning and doffing.

□ CTL412



ChemMax® Coverall

Elasticated hood cuffs and ankles and double zip & storm flap front fastening.

■ CT1S428



Inflatable Lifejacket

Lamda Auto 150N, SOLAS I MED

■ 71107



Advanced Folding Lifejacket

Solas (LSA Code) 2010 c/w Whistle

■ 70179



Lifejacket LED Flashing Light

Water-Activated LED Flashlight Technology Extra powerful LED light

■ 72349



Large Offshore Bag

Sturdy in-line wheel system and locking telescopic handle with button operation for easy transport

■ 69100



Small Offshore Bag

Multiple side zip compartments for stowing boots, dirty clothes and other gear

■ 69101 Blue ■ 69101 Red



Backpack

Padded laptop compartment (fits up to 15" laptop) Built in USB port

■ 69019



Buffalo Barrier | ZebraTape

Non-adhesive 500 metre rolls x 70 mm wide

■ 5700080 Red | White

■ 5700082 Yellow | Black



WINDSOCK

Polyester fabric

■ B323113 4 ft x 14 in

■ B323116 7 ft x 24 in



OTHER ACCESSORIES



Small Case

Exterior Dimension: 29.97 x 24.89 x 19.56cm

Interior Dimension: 24.13 x 19.05 x 18.42cm

- iM2075 Black with or w/o foam
- iM2075 Yellow with foam
- iM2075 Green with or w/o foam



Large Case

Exterior Dimension: 80.14 x 52.1 x 31.67cm

Interior Dimension: 72.16 x 44.2 x 27.03cm

- 1650 Black with, w/o foam or with dividers



Medium Case

Exterior Dimension: 55.78 x 35.48 x 22.81cm

Interior Dimension: 51.79 x 28.45 x 18.31cm

- 1535 Black Pick & Pluck, with or w/o foam
- 1535 Black Dividers or TrekPak
- 1535 Orange with or w/o foam
- 1535 Silver with or w/o foam
- 1535 Yellow with or w/o foam

Headlamp

558 Lumens

Downcast LED Technology

Includes 3 interchangeable Covers

Black, White, Photoluminescent

USB Lithium Ion Rechargeable

- 2780R



Large Light

Light Source: LED

Batteries: 7.4v, 6.6Ahr. Lithium-Ion

Length: 22.23cm (8.75")

- 9410L Black 9410-022-110E
- 9410L Yellow 9410-022-245E



Right Angle Light

Light Source: LED

Batteries: AA

Light Output - High:

194 lumens

- 3765Z0 Yellow
3765-041-241E



Tactical Flashlight

Light Source: LED

Batteries: Lithium Ion 1

Length: 17.48cm (6.88")

- 7070R Black 07070R-0000-110E



LED Flashlight

Light Source: LED

Batteries: 3 AA Batteries (Included)

IP67 waterproof and dustproof

- 3315 Yellow



Flashlight

883 Lumens

Up to 201m Beam Distance

Up to 883 Lumens

4 modes: Boost / High / Low / Flashing

Lithium Ion Rechargeable Battery

- 5050R Black



Remote Area Lighting System

Light Source: LED

Lamp Heads: 1

Batteries: Li-Ion

- 9440 Yellow 094400-0000-245E
- 9440 Black 094400-0001-110E





OTHER ACCESSORIES



PVC Rolls

- High-quality PVC materials in various of colors and thicknesses
- Classified as soft or semi-rigid, but all are flexible
- UV and heat resistant from -20 to 85 degrees
- Size ranges from 1m to 3m width and from 50m to 200m length



Strap Bag



Baffle Bag



Custom Bag

Industrial Bags

- Manufactured from PVC- coated laminated polyester material
- Ideal for products requiring transportation and offload at the destination
- Can be stored without the need of pallets for long periods of time and without the risk of contamination
- Can be moved easily with a forklift truck or lifting equipment



Flex T



Flex G



Flex P



Flex R



Flex R2



Flex R/TR - R2/TR

Flexible Tanks

Flex T - Supported by metal frame designed for rapid assembly. Suitable for water, bentonite muds, agricultural / industrial uses.

Flex G - Circular section tank suitable to contain water for agricultural and industrial uses.

Flex P - Suitable for storage and transport of small quantities of liquid on pick-up type vehicles.

Flex R - Pillow-shaped rectangular-section tank suitable for storage of water.

Flex R2 - Pillow-shaped rectangular-section tank suitable for the storage of fuel.

Flex R/TR - R2/TR - Like type R and R2 with complete harnessing set to fix onto the vehicle.



Heavy Duty Containment Kits

- B2FHD190 Single Barrel - 80cm x 80cm x 30cm
- B2FHD290 Double Barrel - 75cm x 1.33m x 30cm
- B2FHD450 Four Barrel - 1.5m x 1.5m x 20cm
- B2FHD910 Oil Storage - 2.13m x 2.13m x 20cm
- B2FHD290L Narrow Trough - 61cm x 2.43m x 20cm
- B2FHD1100 ISO Tank- 1.22m x 3.05m x 30cm
- Custom sizes are also available



OTHER ACCESSORIES



FRP Step Cover

- Anti Slip Top Surface
- Quick and versatile
- Designed to enhance visual safety



Step Nosing

- Enhance Safety
- Quick and versatile



FRP Escape Route Markers

- Anti Slip Top Surface
- Durable
- Aluminum oxide
- Quick



RIG-SAFETY Rotary Table Mat

- Impact resistant
- Heavy duty
- Custom moulded
- Fluid management



FRP Walkway Covers

- Anti-Slip Top Surface
- Designed to enhance visual safety
- Quick and versatile



FRP FIBERGLASS GRATINGS

- Anti Slip Top Surface
- Long Life Time
- Low Maintenance



Ladder rung cover

- Anti Slip Top Surface
- Choice of colours
- Versatile



RIG-SAFETY Rotary Table Mat

- Non-slip top surface
- Hardwearing Fiberglass
- Legislation Compliant
- Simple installation
- Aluminium oxide



Safety Mat

- Anti-slip properties on both sides
- Drainage slots prevent the accumulation of fluids on the mat
- Comes with a stumbling protection edge



RIG-SAFETY Setback Mat

- Impact resistant
- Heavy duty
- Custom moulded
- Fluid management
- High traction



OTHER ACCESSORIES

OIL & CHEMICAL SPILL KITS



Oil Spill Kit
120 litres



Oil Spill Kit
240 litres



Diesel Spill Kit
240 litres

Oil Spill Kit Content*

*Contents may vary

- Instruction Sheet
- Sorbent Pads
- Sorbent Socks
- Sorbent Pillows

- HD Disposal Bags
- Safety Goggles
- Nitrile Gloves

- Plastic Scoop & Brush
- Spill Kit Label
- Spill Kit Bin with wheel

SPILL DRUMS



2-Drum Poly-Spill Pallet 2000

This secondary containment system is engineered to meet the rigors of today's regulatory environment. Made with 100% polyethylene, it provides excellent chemical resistance. Optional - drain with plug.

- Meets EPA 40 CFR 264.175
- 2,000 lb. Handling Capacity
- Forkliftable
- Removable grate for easy cleaning



Poly-Spill Pallet 6000

Designed for Maximum Load.

Rated at 6,000 lb handling capacity weight with a 83-gallon sump capacity that meets EPA 40 CFR 264.175.

Square 50" x 50" footprint saves space, yet easily holds four (4) 55-gallon drums. Optional - drain.

- Two (2) removable grates
- Forkliftable from all sides

FIRE FIGHTING & RESCUE





FIRE FIGHTING & RESCUE

Gallet F1 XF Fire Helmet

Gallet F1 XF has a rugged design, comfortable fit, and unmatched protection for reducing stress, and improving decision making when time is critical to safety and success of the mission.

Available Colours

- White
- Red
- Hi-Viz Yellow
- Grey
- Green
- Yellow
- Black
- Hi-Viz Orange
- Blue
- Photoluminescent



Key Functions and Requirements



Optimal fit for all users profiles in all operating conditions

- 1 helmet, 2 sizes
- Medium 52–62 cm
- Large 57–65 cm



Robust sizing mechanism allowing for user friendly adjustment while on the head

- Ergonomic Wheel ratchet adjustment
- External ratchet knob design offers a better grip with gloves
- Multiple size increments



Unmatched comfort with no pressure points on the head, and padding designed for ease of care and use

- Padded headband, 2 versions (leather and nomex)
- Removable / Washable paddings
- Wearing height adjustment



Adjustment of the wearing position for an optimal comfort and balance for all users profiles

- Angular rear and front adjustments for optimal wearing position
- Rear strap setting for enhanced stability
- Bright Yellow color for intuitive adjustments



Short range, integrated lighting for optimal visibility in dark or smoky environments

- Lightweight, integrated lighting module (LED)
- Battery level indicator
- Over 10 hours of continuous operation



Adjustable, high performance ocular visor – optimal fit for all faces to prevent injuries

- Ease of manipulation with no interference in the viewing area
- Compatible with corrective spectacles
- Angular adjustment of the ocular visor w/ adjustable Mechanical stop
- Optical class 1

JUPITER 5 ★

A newly designed ESKA® exclusive fire fighting brigade gloves. The waterproof and breathable GORE-TEX® insert is permanently attached to the inner gloves (ESKA® patent).

Shell

Backhand: Aramid / Viscose FR
Innerhand: Nomex® / Kevlar® with PROmarble coating (granite-silicone-carbon) for extreme high-performance resistance and maximum grip.

Lining

Backhand: 100 % Kevlar®
Palm: Cut protection lining made of Kevlar® with steel fiberglass and silver threads for anti-bacterial and anti-static effects.

Insert : GORE-TEX 3 layers : water-, windproof and breathable

Sizes : 5 (XXS) - 12 (XXXL)

Materials / Technologies



EN 659:2003 + A1:2008

Abrasion	4
Cut resistance	5
TDM cut resistance	F
Tear resistance	4
Puncture resistance	4
Dexterity	4



8011/A
long cuff

8014/A
knitted cuff





FIRE FIGHTING & RESCUE

Viking PS1000 Fire Suits

Chosen by professional firefighters across the globe because of their superior balance between protection, durability and mobility. All VIKING fire suits meet international quality standards and requirements, such as EN469 and NFPA 1971.

Colours  Navy  Dark Navy  Gold  Orange  Red

Size Range **Single sizes (S)** 46 to 66 | **Double sizes (D)** 46/48 to 66/68
All sizes are available in Regular, Short and Long



VIKING Supreme
Short Jacket
Model 025



VIKING Supreme Profi
Medium Jacket
Model 052



VIKING Advance II
Short Jacket
Model 022



VIKING Protector
Long Jacket
PS6204



Hi-bib Trousers
Model 521



Waist Trousers
Model 554



Hi-bib Trousers
Model 521



Hi-bib Trousers
PS6244

Layer Combinations

Hainsworth® TITAN 220 g/m²
GORE® CROSSTECH® 2L AIRLOCK®, 250g/m²
DuPont™ Nomex® / Viscose, 130g/m²

Layer Combinations

DuPont™ Nomex® NXT, 195 g/m²
GORE® CROSSTECH® FIREBLOCKER®, 140g/m²
DuPont™ Nomex® / Viscose, 125g/m²

The **VIKING PS1000** fit-to-purpose fire suit range is all about safety and durability.



FIRE FIGHTING & RESCUE

FireProfi 2.0

9305 / GA

- The pull-on boots with the highest flexibility and comfort.
- New asymmetric aluminum safety toecap 200J, very light, with a wider volume to offer a better fitting comfort.
- Excellent grip on uneven grounds and on stairs (the outsole is 40% more durable than the European Standard EN ISO 20345 5.8.3 requirement).
- Water-resistant boots tested to 500.000 flexing cycles according to the European Standard EN ISO 20345-6.2.5.
- New ergonomic pull-on straps help get you in quickly.

Height

38 cm (SIZE 42)

Upper

Water-repellent leather 2.0 – 2.6 mm thick

Color

Black

Lining

GORE-TEX® Performance Comfort Footwear

Climate

Four season

Sole

Nitrile rubber, antistatic, resistant to oil and heat at 300°C



Fire Eagle Vario 507506

Quickly ready for use : Your sporty slip-on boots.

- EN 15090: 2012 standard
- **Three Zone Protector System** - protect you from injuries in the shin, instep and ankle area.
- **Penetration-proof** : With integrated steel sole offering an even more secure penetration protection against sharp objects compared to textile soles.
- **Resistant outer leather** - Extremely robust against all corners and edges of everyday work.
- **Maximum protection against liquids** - The CROSSTECH® membrane by Gore® is not only waterproof and breathable, it also reliably protects the user from blood and body fluids.
- **Breathable with climate system due** - The special foam system ensures that the air in the shoe can circulate and moisture can escape.
- **Easy Slip Out System** - The special heel edge in the heel area allows you to get it out quickly and easily.
- **Fire Eagle Vario fits perfectly** and thus ensures maximum wearing comfort, all day long.



Ankle Protector System



Climate System



High Durability Cap System



Wide Fit System



Bootjack



ARMTEX[®] ONE Classic Extruded Rubber Lay Flat Fire Hoses

- Specially designed for fire fighting • 1 1/2" and 2 1/2" are FM approved
- Fast deployment and retrieval • Ease of transportation and handling

Color ■ Brick Red is the standard color. Other colors available on request.

Applications

Suitable for use and recommended for FIRE FIGHTING, especially in municipal fire departments, petrochemical and nuclear plants, navies and other industrial services.

Construction

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by tough, highly resistant synthetic nitrile rubber & PVC blend, extruded through the weave, forming a single homogenous construction without the use of glues or adhesives.

Lining Properties

- Ultimate Tensile Strength of the lining: Minimum guaranteed value of 1750 psi (12,000 kPa).
- Ultimate Elongation: 450% minimum.

Abrasion Resistance

Excellent abrasion resistance when tested according to FM2111 and UL19 abrasion tests.

Service Temperature Range:

-4°F (-20°C) to 176°F (80°C).

Ozone Resistance

No visible signs of cracking appear on the lining or cover when tested in accordance with ASTM D518 Procedure B, 100pphm/104°F (40°C).

Chemical Resistance

Exposure to seawater and contamination by most chemical substances, hydrocarbons, oils and greases has no effect on the short or long term performance of the hose.

Lengths

Standard 50ft (15m), 100ft (30m), 200ft (60m). Special lengths such as 330ft (100m) and 660ft (200m) are also available upon request.

Heat Resistance

The hose is capable of withstanding a surface temperature of 1112° F (600°C) for a minimum of 2 minutes without rupture or damage to the synthetic reinforcement when subjected to static pressure of 100 psi (700 kPa).



FEATURES

- Very lightweight and highly flexible
- Small coil diameter
- Excellent resistance to ageing and ozone
- Lining extremely resistant to seawater and a wide range of chemicals
- Mildew and rotproof, easy to repair

STANDARD LENGTH

15, 18, 20, 23, 30 m

STANDARD COLOR

Red

TEMPERATURE

Continuous use

-20°C to +80°C (water)

Temporary

up to +100°C (water)

CONSTRUCTION

Jacket lining

- Warp: high-tenacity polyester

Weft : Polyamide; Circular Woven

- The special jacket construction ensures outstanding adhesion and much lower pressure loss compared to a 100% polyester jacket lining.

- Totally embedded in the rubber, offering optimum protection against mechanical damage.

Rubberised lining and jacket

- Very high-grade NBR/PVC rubber compound, extruded through the weave in a special one-step production process.
- Special additives in the compound guarantee outstanding resistance to ageing and ozone.





FIRE FIGHTING & RESCUE



S.Tec Lifting Bags (12 bar / 174 psi)

With an insertion height of only 2.5 cm (0.98 inch), fits even in the narrowest gaps and openings.

- 50% performance increase
- Up to 102 tons (112 US tons) lifting power
- Maximum lifting power and height are readable at the side
- Stackable due to non-slip surface profile



Connectable Bags C. Tec 12 (12 bar / 174 psi)

The perfect solution to react rapidly in critical situations.

- Worldwide unique, comprehensive certified system
- Uncomplicated and simple
- **Toolless Connection Technology** - the bags are ready for action within seconds.
- The **Integrated Load Plate** guarantees a high level of stability and load-bearing capacity during the lifting process.



Leak Sealing Bags

Vetter leak sealing bags are quick and easy to inflate using a foot pump.

- Sealing leaks in tanks
- For containers with min. diameter of 50 cm (20 inch)
- Sealing area up to 86 x 57 cm (34 x 22 inch)



Decon Tents and Showers for quick rescue or danger prevention.

Decon Tent PZ 40 3 L

- Short erection times involving few staff, easy tent cleaning
- The design enables simultaneous decontamination of a number of people, separated according to sex, as well as patients who are in the lying (horizontal) position.



Compact Showers

- The pneumatic showers are set up in just 30 seconds and are instantly operational.

Decon Showers

- Can be supplied with drain in the shower basin in order to enable controlled drainage of contaminated liquids.



Safety Cushions SP 16 / SP 25

Safety cushion for rescue operations. Rescue in a flash from up to 25 metres height.

- Rescue from up to 8 floor
- Set up quickly and easily transported even when assembled



FIRE FIGHTING & RESCUE



A full range of protein and synthetic based foam compounds have been developed by Profoam chemists to efficiently fight all types of hydrocarbon and polar solvent fires.

These include :

- Protein and Fluoroprotein based foams
- Hi-Ex synthetic based foams
- Film forming foams - synthetic and protein based
- Pseudoplastic and Newtonian alcohol-resistant foams, protein and synthetic based
- Class A foams



Pioneer in eco-friendly firefighting foams, BIOEX provides a wide range of Fluorine-Free Foams (F3), as well as Aqueous Film Forming Foams (AFFF) and Alcohol-Resistant Aqueous Film-Forming Foams (AR-AFFF).

BIOEX foams are designed to meet your needs and risks, especially for :

- Class A solid fires
- Class B Hydrocarbon liquids fires
- Class B Hydrocarbon and polar solvent fuels fires
- Class A and B fires – Multi-purpose foams
- Toxic vapours suppression



Large Tank Fire Vehicles



Special Fire Vehicles

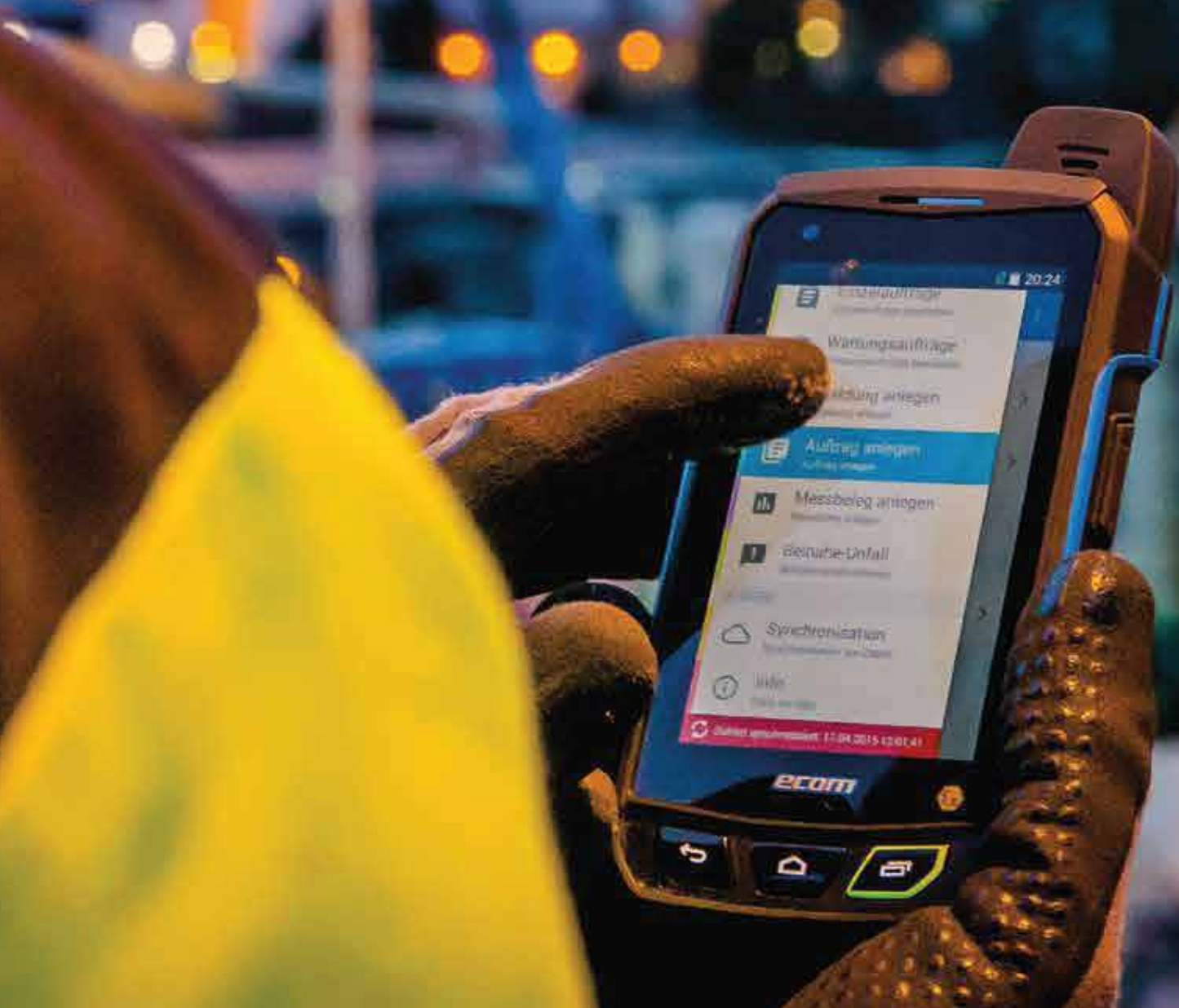


Schmitz PolyPlus® Rescue and Equipment Vehicles

Specialist for tank fire trucks and offer individual TLF vehicle configurations on two-axle chassis of all major manufacturers and a fire-fighting water volume from 2000l to 6000l.

Whether road or four-wheel drive design, whether squad, relay or group cabin – **Schmitz PolyPlus®** body system allows us to fully meet all these different requirements and also has large payload reserves due to the low body weight.

COMMUNICATION SAFETY





COMMUNICATION SAFETY

Ex-Handy 10

Flexible Communication in Hazardous Areas

Connectivity

- WiFi Standard 802.11 a/b/g/n/e/k/r/h
- WiFi 2.4 GHz and 5 GHz support
- Bluetooth® 4.2 incl. BLE
- GPS / A-GPS / Glonass / Beidou / NFC

Memory

- 2 GB RAM, 16 GB ROM
- Up to 128 GB additional memory with microSD

Band

- Supports 21 LTE frequency bands

Dedicated Keys

- PTT / Alarm / Power
- Multifunction / Volume
- Hardware buttons for Android features

Camera

- 8 MP camera with autofocus and LED flash
- **Non Camera version available**

Operating System

- Android™ 8.1

Power

- Li-Ion battery 3920 mAh
- Up to 600 hours standby

Ports

- Waterproof magnetic USB 2.0 connection



Product Highlights



Global approvals for Zone 1/21 and Div. 1 and Zone 2/22 and Div. 2



Powerful Li-Ion battery (3920 mAh)



Supports both keypad and touch screen operation



Extremely rugged dust and waterproof housing with a scratch-resistant display



21 LTE frequency bands and no SIM lock for flexible use around the world



Made for use in ambient temp. from -20 °C to +60 °C

Tab-Ex® 02

Tablets For Industrial and Hazardous Areas

Sensors

- Face recognition, NFC, Accelerometer, Proximity, Light, Gyroscope, Geomagnetic, Hall, GPS

Safety

- KNOX 2.8 Face recognition

2 Cameras

- 8 MP rear + 5 MP front camera
- **Non Camera version available**

Power

- Li-Ion battery 4450 mAh
- Up to 11 hours battery life

Memory

- 3 GB RAM, 16 GB ROM
- Up to 256 GB additional memory with microSD

Operating System

- Android™ 8.1



Product Highlights



Global certifications for Zone 1/21 and Div. 1 and Zone 2/22 and Div. 2



Fast processor and high storage capacity enable augmented reality applications



Rugged design: dust-, water-, and shock-resistant



A high-resolution, 8" touch screen, operable with gloves



High-performance Android™ Oreo 8.1 operating system



Samsung Knox: Reliable Enterprise Mobile Data Security



COMMUNICATION SAFETY

DN400 Series 4G LTE Wi-Fi PoC Radio

Entel's DN400 4G LTE Wi-Fi PoC radios operate on National cellular networks. Combine this with the simplicity of traditional PTT operation and DN400 radios deliver a significant step forward in capability and user benefits. A Smartphone App, Radio Gateway and PC Dispatcher options add even more flexibility.

Key Features

- Compact, rugged
- IP68 Submersible
- Outstanding battery endurance
- 3 Watts of audio, loudest in class
- Built-in GPS & Bluetooth
- AES256 Encryption as standard
- OTA Programming & Updates
- Practically unlimited range
- Practically unlimited simultaneous calls
- High contrast white on black OLED display
- No expensive license fees or Infrastructure
- Works out of the box



DN400 Feature Highlights

- Individual calls
- Group calls
- Dynamic Groups
- Presence Check
- AES-256 encryption
- Text Messaging
- Status Messaging
- Broadcast Calls
- Call Interrupt
- Sending GPS location

Emergency features as standard:

- Emergency Button
- Lone Worker
- Man Down

PC Dispatcher Feature Highlights

- Group, Individual & Broadcast Voice Calls
- Presence Check
- Dynamic Groups
- Emergency Call Management
- Remote Monitor
- Text Messaging
- Status Messaging
- Call Interrupt
- GPS Mapping
- Voice Recording
- Data logging
- Optional indoor location
- Optional location tool e.g. Geofencing

Smartphone App Feature Highlights

- Individual Calls
- Group Calls
- Dynamic Groups
- Presence Check
- Text Messaging
- Status Messaging
- Broadcast Calls
- Call Interrupt
- Sending GPS location
- Map

Emergency Features

- Emergency Button
- Lone Worker (optional)
- Man Down (optional)



Radio Network Gateway Feature Highlights

Connect two or more different radio systems with each other, supports:

- Entel PoC
- DMR T2 & T3
- Analogue PMR
- MPT1237
- TETRA
- NXDN