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*No compromise  
for a safer  
nuclear world*



SAFETY  
PRODUCTS  
CATALOGUE

# No compromise for a safer nuclear world

Our extensive washing service program sets the foundation for our direct sales products. This service is supplemented by constant new developments and product improvements. Our assortment includes all articles that are necessary in a controlled area as well as non-controlled areas and Health Physic supplies. These comprise of comfortable cotton overalls, fire-retardant garments, single use garments,

welding suits and overshoes, slip-resistant overshoes, washable S3 safety shoes, airline and PAPR suits and our innovative ProTech Plus and Atlas garments.

All washable articles are developed directly with our laundry facilities taking into account both their decontamination potential and durability. In cooperation with you UniTech can design and manufacture

garments to suit your needs. All of our products are CE certified.

**Together we can increase the safety of your workers.**



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# Coveralls/ Labcoats

## Coveralls, weldsuits and labcoats

We provide a variety of suits made from breathable polypropylene, flame retardant material, SMS or synthetic fabrics.

### 1 Comfort Coverall Makobatist

(Available with or without fitted hood - Page 4 A)

100% cotton Makobatist with closure and a long plastic zipper.

Standards - EN 1073-2

### 2 Comfort Coverall Protech

(Available with or without fitted hood - Page 4 B)

We produce this synthetic fabric coverall in any desired individual variation, e.g. with a stand-up collar instead of a hood, pockets or with mesh ventilation inserts in the back, anti-static.

Standards - EN 1073-2

### 3 Comfort Coverall FR

(Separate hood available)

Modacryl, Cotton, antistatic components, with continuous zipper, protection against radioactive contamination and heat.

### 4 EDF UK C2 Coverall

This velcro fastening coverall is made from 65% polyester, 35% cotton.

Standards - EN 1073-2:2002

### 5 Magnox UK C2 Coverall

This washable coverall protects against radioactive contamination.

Standards - EN 1073-2

### 6 Coverall UNITECH SAFE+

Protection against flash fire and electric arc. Heat-resistant and flame retardant this coverall is soft and breathable. UNITECH SAFE+ is ecological! Composed of intrinsic biological cellulose fibers. Which reduces the waste of the manufacturing process compared to cotton or viscose.

### 7 Neptune Coverall

Light-weight, waterproof, suit made of polyurethane coated nylon fabric.

Standards - EN 466-1 Type 3, EN 465-1 Type 4, EN1073-2

### 8 Welding+ Coverall

Inherent (durable) flame retardant material with integrated hood.

Standards - EN 11612:2008, Code A1, B1, C1, E1 and F1, Front & sleeves Code D2 u. E2

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#### 9 UniTech UniVent CleanAIR 3F

This 30% PES, 70% PU is washable up to 40°C, the overall keeps its characteristics after numerous washes.

Standards - EN 1073-1, Class V

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#### 10 UniTech UniVent Airline

This 30% PES, 70% PU is washable up to 40°C, the overall keeps its characteristics after numerous washes.

Standards - EN 1073-1, Class V

#### 11 Protech Labcoat

The labcoat features a long zipper in the front, thigh pockets, anti-static, dirt-repellent and water-repellent characteristics.

#### 12 Cotton Labcoat

100% Cotton with breast patch pocket and Two lower patch pockets. Centre back vent with logo above chest pocket. Can be made in various colour options.

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#### 13 Transit Coverall

- Made of 65% cotton, 35% polyester
- Full velcro closure
- Knitted elastic wrist and ankle cuffs
- Bold "Transit" imprint on the back

Versions included the standard but UniTech also offers a Lined thermal transit coveralls to support staff during the cold winters.

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## Headware

### Fitted Hoods

#### A Makobatist Hood Comfort

This 100% Makobatist cotton hood provides optimal protection of the head against dust contamination and can, for example, be worn together with Comfort Makobatist coveralls.

#### B Protech Hood Comfort

This light hood provides optimal protection of the head against dust contamination and can, for example, be worn together with Protec coveralls.

A



B



# Shoes

## Shoes, boots & overshoes

Comfortable safety shoes, boots and covers that are designed specifically for the requirements of the nuclear industry.

### 1 Punta Overshoes

This stretch polyester overshoe with latex sole is available in calf and knee versions with optional zipper. The soles are colour coded to identify the size.

Standards - Sole EN ISO 13287/c

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### 2 Panther Overshoes

The launderable overshoe PANTHER comes with a PVC dipped, anti-slip sole made of PVC with upper material made of stretch polyester and additional elastic at ankle. The soles are colour coded to identify the size.

Standards - Cat. 1

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### 3 Gatertrek Overshoes

Durable nylon roll-up cuffs are sewn onto the stable rubber shoes in such a way that the seal between cuff and shoe is waterproof.

Standards - CE Category I

### 4 Weldboots

Stitched-on high quality soles made from natural black rubber, whilst the upper material is made from inherent flame retardant fabric.

Standards - Cat. II, DIN EN 11612

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### 5 ARTRA Range of safety shoes/boots

The ARTRA range comes in Lace, slipper, High boot slipper and High boot lace all available in White or Black and contain no metal. These meet the Health and Safety regulations requirements (EU) 2016/425 and standard EN:ISO 20345/2011 (S3 SRC).



# Respirators/ Airfed Systems

**Respirators, airfed systems & filters offering dependable protection, comfort & ease of use.**

## 1 Draeger full face mask

Panorama Nova with standard-thread.

Standards - Tested according to EN 136 with CE mark and certified for use the UniTech CleanAir chemical blower unit 3F

## 2 Scott Promask full face mask

Lightweight & ergonomically designed for use in a wide variety of industrial applications, available in halo-butyl & silicone.

Standards - EN136 Class 3

## 3 Scott Vision 2 full face mask

Liquid Silicone Rubber face seal provides superb levels of wearer comfort.

Standards - EN136, EN12942 TM3

## 4 Scott Phantom Vision powered full face mask

Phantom Vision is a power assisted respirator with a high performance brushless motor and fan unit inside a Vision full face mask. An external connection on the mask provides power to the motor via spring contacts and a cable to a rechargeable lithium-ion battery mounted on a waist belt. A single approved particle filter is fitted directly to the facepiece.

## 5 Scott Promask with Proflow

(Asbestos options available)

Proflow SC 160 ASB incorporates a blower unit supplying filtered air to the facepiece through a breathing hose; a NiMH battery is encased in the polyurethane casing. The blower unit contains a DC motor powered radial fan; a microprocessor calculates the power required to maintain the set flow rate and automatically adjusts the air supply. If the flow rate falls below the minimum 160 l/min, an audible warning sounds.

## 6 3M Versaflo 300

3M™ Versaflo™ M-Series Headgear is lightweight, compact, and easy to maintain while helping to provide the wearer with protection from a range of hazards. A built-in air deflector allows users to direct the location of the airflow inside the headgear for increased control and comfort. Smooth ratchet mechanism allows for precise tightening control. Easily removable parts allow simple cleaning, maintenance and replacement. Headgear offers face seals, covers and shrouds in a variety of fabrics.



**7 3M Versaflo 603E-ASB**  
The 3M™ Versaflo™ Powered Air Turbo TR-603E-ASB, when combined with the 3M™ Full Face Mask 7900PF and 3M™ Versaflo™ Breathing Tube BT-50, forms a power-assisted system for respiratory protection against particles, organic gases and vapours. The system is specifically intended for use in asbestos/abatement environments.

# CleanAIR® Chemical 3F Blower Unit

The 3F is a new generation of powered air purifying respirator designed to filtrate contaminants in the form of gasses, vapours, Asbestos, particles and their combinations.

Standards - EN 12941 TH3 & EN 12942 TM3

Despite its compact size and low weight, the Chemical 3F unit has high mechanical and chemical resistance and UV resistance. The construction of the unit allows easy decontamination in a shower thanks to Ingress protection IP65. The unique automatic closing system prevents unwanted contamination of the unit by particles while the filters are being changed. Full colour display shows clearly all relevant information.



## 1 CleanAIR with full face mask

Certified for use with Draeger Panorama Nova full face masks.

## 2 CleanAIR Hood

Headtop is tested and approved for use with CleanAIR® powered air purifying units (hereinafter PAPR) in compliance with European Standards - EN 12941/A2, EN 12942/A2 and EN 14594:2005

## 3 CleanAIR Weld Helmet CA-20

Welding Hood CA-20

For use with the CleanAIR® in accordance with directive no 89/68/EEC, EN12941:1998/A2:2008 and EN12941:1999/A2:2009

## 4 CleanAIR with Grind Helmet CA-40G

Safety Helmet with Grinding visor (polycarbonate)

Standards - EN 12941TH3, EN 14594 2A/3B and EN 166 AKN





## 5 CleanAIR with Spider

(for use with suits as below)

Designed to connect to the top of the CleanAIR® and allows user to direct hoses to meet the users needs for airflow both over the shoulder and around the side of the body to maximise cooling capabilities.

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## 6 UniTech Univent launderable CleanAIR 3F

### Composition:

- 30% PES, 70% PU
- Density 240 g/m<sup>2</sup>, washable up to 40°C, the overall keeps its characteristics as well after numerous washings.
- All welds are protected by adhesive tape. Integrated gloves, hood and shoes.
- Ease of operation, entrance backside (closed with zip fastener).

### Hood:

- Transparent, Filter access ports: at the lower back with area for CleanAIR® unit inside back unit.
- Emergency elevation: to the amount of the mouth, Large transparent eyepiece of polyurethane.

### Back:

- Air distribution: Removable spider connected directly to CleanAIR® top and hoses placed to suit user.

### Gloves:

- Universal TM Plus/Ansell, Standards: EN-388, EN- 421, EN-374. The gloves have no permanent joint with the suit. They are jointed with a plastic ring.

### Shoes:

- Exchangeable shoes, jointed with a zip fastener, for a better drying process.
- Ideal for changing damaged shoes.

## 7 UniTech ISAR disposable CleanAIR 3F

50% Polyamide and 50% Polyurethane Protective Clothing against solid airborne particles including radioactive contamination and against liquid chemicals powered filtering device incorporating a hood.

### Standards:

EN 14605:2005, EN 1073-1 2016  
EN ISO 13688:2013,  
EN 12941:1998+A1:2003+A2:2008

100% Techmaflex T022. Protection against solid airborne particules and radioactive contamination and against liquid chemicals in combination with Unitech CleanAIR® 3F.

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**8 Unitech Univent launderable Airline**  
(version EN 1073-1 Class V)

**Composition:**

- 30% PES, 70% PU
- Density 240 g/m<sup>2</sup>, washable up to 40°C, the overall keeps its characteristics as well after numerous washings.
- All welds are protected by adhesive tape. Integrated gloves, hood and shoes.
- Ease of operation, entrance backside (closed with zip fastener).

**Hood:**

- Transparent, Air exhaust port: at the back of the head. Large transparent eyepiece of polyurethane.
- Air distribution: removable air tubes goes around the suit for good distribution.

**Back:**

- Connection for a central air supply.

**Gloves:**

- Universal TM Plus/Ansell, Standards: EN-388, EN- 421, EN-374. The gloves have no permanent joint with the suit. They are jointed with a plastic ring.

**Shoes:**

- Exchangeable shoes, jointed with a zip fastener, for a better drying process.
- Ideal for changing damaged shoes.

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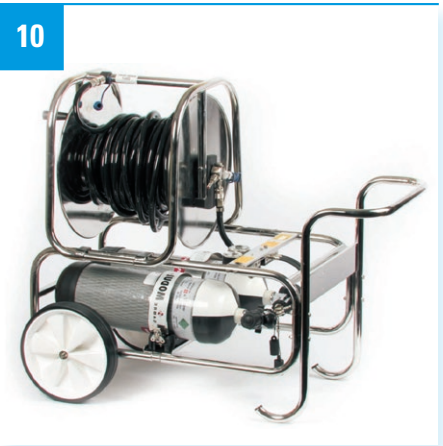
9



**9 Spirobox 2**

The Spirobox 2 is the new generation of breathing air treatments. It is a mobile respiratory system, that can be used in contaminated hazardous environments. With this device, compressed air can be converted to breathing air. Due to this design, it can be flexibly used everywhere.

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**10 3M/Scott Modular + air modular system**

The Modul + air is a compact, easy to use airline trolley system designed to provide portable clean air in restricted access areas. The system can be altered to suit with a capability of up to 4 air tanks.

# Filters

## 1 3M/Scott PF10 Filter

The PF10 P3 filter is individually vacuum packed and protects from a broad range of particulate hazards to high levels. It fits to the range of the Scott full face masks and Aviva 40 half mask as well as the Proflow powered air purifying respirator.

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## 2 3M/Scott PF251 Filter

The PF251/2 P3 filter is individually vacuum packed and protects from a broad range of particulate hazards to high levels. It fits the Scott Aviva 50 half mask as well as the Phantom PPR2000 and Phantom Vision powered air purifying respirators.

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## 3 3M/Scott CF32 Pro2000 filter

The Scott Safety A2B2E2K2-P3 R D filter provides high quality and cost efficient protection. Highest specification filter media and materials ensure durability and reliability in the most demanding applications.

## 4 3M/Scott Reactor Filter

The Scott Safety CF32 Reactor-Hg-P3 R filter provides high quality and cost efficient protection. Highest specification filter media and materials ensure durability and reliability in the most demanding applications.

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## 5 UniTech Re-usable Filters

Class 1: 80%  
Class 2: 94%  
Class 3: 99.95%

## 6 Filter A2B2E2K2P3

Filter A2B2E2K2P3-with two RD40 threads CleanAir and one RD40 thread for use with respirators and hoods.

## 7 Filter P3

Filter P3-with two RD40 threads-CleanAir and one RD40 Thread for use with respirators and hoods.

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# Gloves

## Cotton, polyco & rubber gloves.

Selection of high quality gloves offering improved strength whilst maintaining a high level of dexterity, flexibility, comfort and protection.

### 1 UniTech Launderable rubber glove

Suitable for protection against contamination in industrial usage. Colour coded for sizing.

Standards - EN 388, EN 374



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### 2 Polyco Processor II glove

Treated to harden the surface of the glove leaving it smooth to the touch.

Standards - EN421



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### 3 Polyco Optima glove

Slip resistant pattern on palm ensures a good grip in both wet and dry conditions.

Standards - EN421

### 4 Cotton glove

Frequently worn as glove liners under latex or nitrile gloves. One size fits all.

Standards - CE Category I



# Modesty

## Inneralls & underwear.

Scrubs providing a professional look and better protection against moisture, radon adherence concerns and garment security.

### 1 Cooltech Inneralls

Durable & breathable fabric with NANO-Dry™ technology.

### 2 Lightweight Inneralls

150gsm Polyester/Cotton scrub top. V-neck. Patch pocket on the left breast (inside and out). Twin needle stitching. Reversible top.

### 3 Polycotton Inneralls

Long Sleeve Shirts feature a left breast pocket inside and out, as well as a colour-coded tape along the "V" neckline that indicates sizing for ease of dispensing. Pants feature right side hip pockets as well as colour-coded cross drawstrings for easy size identification.

### 4 Heavy duty socks

80% cotton, 20% polyester. Hard wearing. Absorbs moisture. Launderable up to 60°C. Colours: orange, blue, black, green. Stretchable (one size fits all).

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# Heat Stress

## Cap & vests.

### 5 CoolVest

CoolVest is based on a special material containing Phase Change Materials.

### 6 E-Cooline Vest

Reduces body temperature by 12°C and cools for up to 20 hours.

### 7 E-Cooline Cap

For use in keeping the head cool in heat stress situations.

# Launderable Bags

## 1 Launderable Laundry Bag

Material: 200 denier nylon, coated with polyurethane. Supplied with hook and loop strap (Velcro), sealed back to back for closure. Buckle closure. Handles on side and bottom for easy carriage. Draw cord available on request. Available in colours yellow, white, green and red. Sizing: 32w x 36h inches going to 20 at base.

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## 2 Laundry Bag Stand

Collapsible bag stand, O-type. Uni-chrome cadmium plated for protection against rust and scratches and powder coated black. Material: round steel 3/8" Ideal for bags wider than 73 cm. Simple dismantle, thus space saving and low transportation costs. No screws or bolts. No sharp edges and no points to wear bags or floors. For fastening the opening of the bag must be wrapped around the top of the bag stand. Can be decontaminated. Top: 48 cm, 71 cm high Footprint: 48 cm x 48 cm Dismantled: 48 cm x 7 cm Approx. 2.6 kg

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## 3 Pump/Rig Board Launderable Waterproof Bag

PU Coated Polyester fabric(550DTEX) FR Size H 650 W 750 D 200 (Other sizes available) Waterproof and water containment with upward arrows trefoile top centre and 3 pockets and 2 handles weight tested to 40KG, waterproof zip on top. Inside base foam protection and side foam to protect dials.

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## 4 Launderable Respirator Bag

Launderable Nylon material with draw string closure sizes varied dependant on respirator being used.

## 5 Tool and Equipment Launderable Bag

The Tool and Equipment Bag is 20" wide and 22" tall and is made from 400 denier coated nylon with an 18-mil optically clear PVC window. Closure is a #10 nylon zipper, bottom is lined with hypolon to prevent sharp objects from puncturing the bag. A 2" wide, one continuous piece stitched to the nylon, web strap supports the bag for carrying. Various sizes available to suit customer needs.

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#### 6 Scaffold Launderable Bags

The Scaffold Bag is sized for 5.5', 8' and 12' scaffolding. It is made from a 1000 denier coated nylon fabric and has corner straps that secure the bag to the scaffold cart. There is an 18-mil, optically clear PVC window that covers one-fourth of the bag so equipment can be easily identified. There is also a clear envelope to hold a rad tag or a bag inventory. Includes a #10 nylon zipper on three sides of the top for easy loading/unloading. Various sizes available to suit customer needs.

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#### 7 RCA Launderable Multi-purpose Bag

Black Nylon with adjustable straps, ladder lock and PVC Window.

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#### 8 Launderable Stud Socks

1000 Denier nylon polyester cord. Cord and toggle. Foam inside bottom.  
 Main body cut: 278cm x 46cm x 2  
 Base circle cut: 23cm x 23cm x 2  
 Top flat cut: 28cm x 48cm x 2  
 Foam cut: 42cm x 35cm x 2  
 Screen printing available and varied colours.

# Disposable Products

## 1 Atlas Light Non Ventilated Suit

The suit consists of polypropylene with breathable laminate.

Standards - EN 1073-2

## 2 Atlas Non Ventilated Suit

The suit is made of polyurethane coated fabric (polyester).

Standards - EN 1073-2

## 3 Ultitec 1000L Disposable Coverall

Dust and Light Liquid spray protective clothing in Blue or White. 50 Coveralls per box.

Standards -

Type 5 EN ISO 13982-1:2004+A1:2010

Type 6 EN 13034:2005+A1:2009

EN 1073-2:2002

## 4 Ultitec 3000T Disposable Coverall

Premium Oil, Saturated Liquid Splash & Pesticide Resistant Protective Clothing White. 50 Coveralls per box.

Standards -

Type 4 EN 14605:2005+A1:2009

Type 5 EN ISO 13982-1:2004+A1:2010

Type 6 EN 13034:2005+A1:2009

EN 1073-2:2002

## 5 ChemMAX 2

Lightweight disposable chemical suit for protection against splashes and sprays of hazardous chemicals in type 3 and type 4 applications. Coverall with hood, Knee padding, double layer flaps and double zippers, Adhesive tape on outer flap, Hood opening cuffs and ankles

## 6 Disposable Cover Shoe

The disposable overshoe is made of corrugated polyethylene (PE), with elasticated top opening. One size fits all. Standard colour is white.

## 7 Disposable Cap

Lightweight spun polyester material. Single use design. One size fits all.

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## 8 IP1 Waste Bags

The packaging comprises of a four-sided flexible material bag by union stitch that has a flat bottom and secured together by over lock stitching on folded fabric with a zipped top closure. It is manufactured from 180 + 30 and 240 + 30 Gram woven polypropylene with an internal duffel system with draw cord with 32cm lay flat lifting loops. Having loaded the contents into the bag, the duffel is pulled toward the centre of the bag and over the top of the load and drawn closed by the tensioning of the draw cord. The zipped top closure is then closed. For a single use disposable package the outer layer of the package is designed, as far as practicable, to prevent the collection and the retention of water. Four webbing lifting loops are sewn into the bag at the four top corners. Poly liners available for certain sizes and heavy are the 240 gram designed for rubble.

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## 9 Smears

- Dispenser box with roll of 1,000
- Cotton weight 200 g/sq m
- Solvent-free adhesive
- Silicone-impregnated paper
- Paper backing 120 x 60 mm
- Available with or without perforations
- Reverse side inscribable

The perforated cotton pieces can be torn off from the backing paper at the perforations (70 g/sq m). Non-perforated wiping tests can be cut out with scissors or punched out. Alternatively, the rolls can be detached with a pair of tweezers.

10



## 10 Decongel

For decontamination of chemical or radioactive contaminated surfaces.

- Odorless
- Water soluble
- Tested extensively
- Easy to apply with a putty-knife
- Also suited for rough surfaces

### The ideal removable DECON solution.

- Blue colored gel
- Dries in approximately 24 hours (dependent on applied thickness)
- Can be used on many surface structures
- Simple and safe disposal
- Contamination contained in a plastic matrix
- Minimal waste
- Almost pH neutral
- Decontamination of trans uranium, radioactive materials, nuclear fission particles, metals such as beryllium.

11



## 11 Tacky Mats

25" x 45" white 30 layer Clean step Mats.  
Packaging: 8 mats per case  
Various colours, sizing and case amounts possible.

## 12 FloodSax

FloodSax® are a lightweight flat absorbent product which can be hydrated on-site to 20 Kilos, to mitigate against commercial flooding, erosion control & leak damage.

### Benefits to the end user

- Light weight, portable and quick to deploy
- Self contained.
- Super absorbent – allows liquid in and keeps it in.
- 5 year shelf life.
- 96% biodegradable by weight.

FloodSax® absorb water to 90% capacity in just 3 minutes. Once the liquid is in there its stays inside the FloodSax®. FloodSax® are much more effective than sandbags at stopping liquids. FloodSax® can also be used internally for leaks, spills and cleaning up after an incident.



## 13



## 13 Radiological Adhesive Tape

Polypropylene tape with acrylic adhesive, Yellow with Black print 25mm x 66m.

## 14 Radiological Barrier Tape

Rad tape, Yellow with Black print CAUTION RADIATION AREA, 3in x 26 feet



## 15



## 15 Radiological Waste Bags

PE yellow tint with black trefoil

Size: 150x200	Each per Case: 2000
Size: 255x355	Each per Case: 850
Size: 355x510	Each per Case: 300
Size: 455x960	Each per Case: 175
Size: 790x760	Each per Case: 50
Size: 950x1750	Each per Case: 25

## 16 RADwipe Options

A safer, more efficient replacement for low quality and dangerous solvents.

**RAD250** - An alkaline cleaner for all hard surfaces. It gives extra "bite" to remove stubborn deposits and contamination.

**RADSOLV** - Solvent cleaner, will quickly dissolve and remove oil, grease and carbon from all metals, plastic, electrical equipment and other hard surfaces. Completely evaporates to leave a film free surface.



## 17



## 17 Shrink Wrap

20" x 1,000" x 80 gauge, Yellow tint. Stenciled with Trefoil and the words: CAUTION RADIOACTIVE MATERIAL. Four rolls/case.



## 18 WhirlPak Dosimetry Bag

Polyethylene with tab and wire frame at top which allows bag to be opened wide sizing 230x115 mm. Supplied in boxes of 500 bags.

# Miscellaneous

## 1 EPD Pouch and Belt

Pouch has PVC EPD monitor window, easy adjustable nylon belt, sturdy snap buckle and is available many colours.

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## 2 RF EPD Pouch

The UniTech RF EPD Pouch has a window to view the EPD Screen and the whole pouch sits inside the sites existing EPD Pouch. It has been developed to deal with the RFI issues from RCA welding sets causing spurious dose on electronic dosimeters, it can also be used for issues with other electronic devices.

2



## 3 Dosimetry Vest

Bottle Green 245gsm (7oz) Dosimetry vests Bottle Green trim. Stud front fastening. Four pockets with flap and stud.

3



## 4 Polycotton Cap

Polycotton material. Elasticated at the rear. Trefoil emblem on the top. One size fits all. Launderable. Colour: White

4



## 5 Hard Hat Launderable Covers

Nylon material with hi-viz straps with elasticated edging designed for all the latest hard hats and comes in multiple colours and launderable.

5



## 6 FME Covers

Water resistant with elastic closure. Sizes to suit your needs and varied colours and wording available.

6



## 7 Laydown Mats

FR P1000 Kadura, 1000 Denier Polyester with PU Coating with Trefoil and or wording if required and sizes to suit the need and varied colours.

7





8 Microfibre Towels

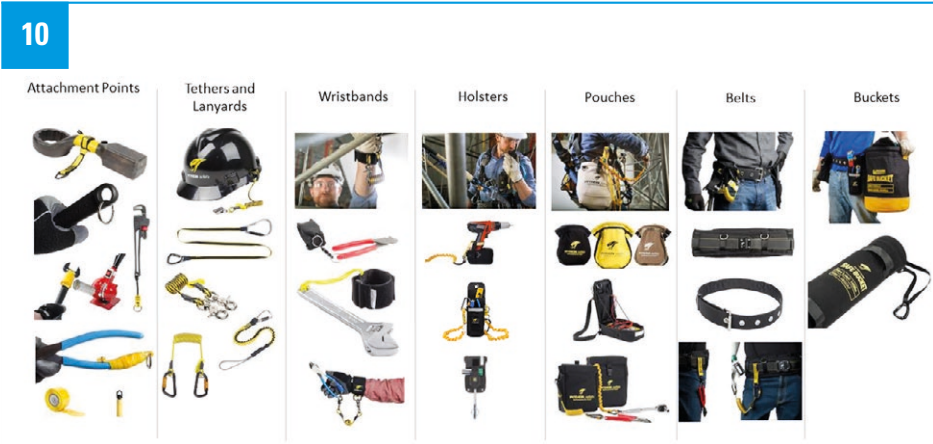
The UltraWipe wiping cloth is made of synthetic fibers that feature exceptional wear resistance and durability. Its ability to wash radioactive substances is outstanding.

9 Towels

Olive Green, White or Grey  
(other colours on request).  
Beach towel: 50 x 100cm or 67 x 140cm.  
Washable up to 60°C, and machine dryable.

10 Fall Protect Equipment

Incidence of items falling from height is a continuous problem in any work environment and now UniTech offers a range of well-priced items to meet this issue. Most can be laundered and items for trial can be made available.



# Signage

Signs can be customised to your needs and your preferred language as required. Please contact us for pricing and more information.

## Sign Base Material

### 1 Aluminium Signs

Long-term signage 7yrs +

Grade: 1050AH14 VC1-70

Material thickness available: 1mm, 1.5mm, 2mm, 2.5mm, 3mm.

Paint finish: Polyester powder coated paint finish available on request (comes as standard on 2.5mm)

Paint thickness: 76ums (microns)



### 2 Dibond Signs

Long-term signage 7yrs +

Composite aluminium panel.

Fabrication grade.

Material thickness available: 3mm, 4mm.

Dibond has an aluminium skin of 0.3mm on both sides of a Polyethylene, Typ LDPE core.



### 3 PETG Signs

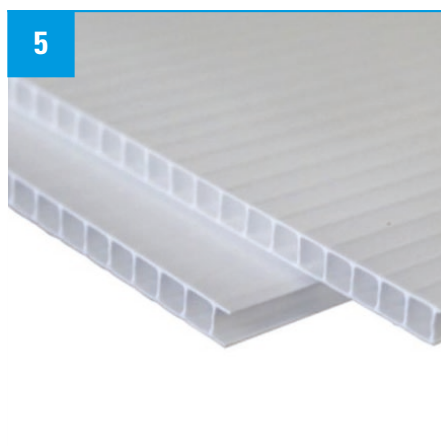
Long-term signage 7yrs +

Clear PETG suitable for sub surface mounted signs.

FDA approved (food grade approved).

UV stable.

Material thickness available: 2mm.



### 4 PVC Signs

Long-term signage 7yrs +

Rigid white PVC.

UV Stable.

Material thickness available: 1mm.

### 5 Coriboard Signs

Short-term signage 3yrs

Correx Fluted polypropylene co-polymer

Fire Rating: BS476 Part 7: Class 4

Material thickness available: 2mm, 3mm, 4mm, 5mm and 10mm.

5mm and 10mm stocked as standard.

Suitable for short term safety signage.

### 6 PVC Banner Signs

Short-term signage 3yrs

Matt white 510g/m2 smooth laminated PVC banner.

PVC banner has a high tear resistance.

Suitable for printing on one side only.

Note: fire resistant banners and tarps are also available and may be used for signage (message dependent).

## Sign Face Material

### 1 Reflective

Long-term signage 10yrs +

Grade: RA2 – EN-12899,  
CUAP, DIN 67520-1,2,3,4, XP P 98-502  
Reflectivity Level: ASTM D-4956 TYPE IV  
Multi directional High Intensity prismatic.  
Normally used with aluminium, and Dibond  
base materials.

### 2 Reflective

Long-term signage 7yrs +

Grade: RA1 – EN-12899, CUAP,  
DIN 67520-1,2,3,4, XP P 98-502  
Reflectivity Level: ASTM D-4956 TYPE IV  
Multi directional prismatic engineering grade.  
Note: Also available as a beaded reflective, more  
suited to small safety signs.  
Normally used with aluminium, and Dibond  
base materials.

### 3 Non-Reflective

Long-term signage 7yrs +

Polymeric digital sign vinyl.  
Normally used with aluminium, PVC, PETG  
and Dibond base material.

### 4 Non-Reflective

Short-term signage 3yrs +

Monomeric digital sign vinyl.  
Normally used with coriboard base material.

### 5 Photo-Luminescent

Medium-term signage 5yrs +

6 Mil High Performance Gloss Light Yellow PVC  
that “glows in the dark”.  
For indoor and outdoor marking of emergency  
exits and dangerous locations. Once the  
active light source is turned off, the film  
has a very strong and long-lasting afterglow.  
Phosphorescent properties of the film will not be  
impaired by repeated use. Clear, solvent  
polyacrylate, permanent adhesive.  
5 Year Durability.

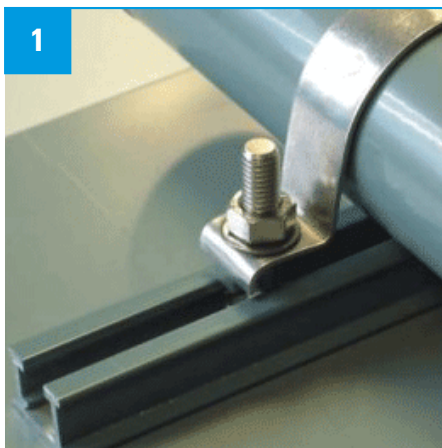




## Sign Mounting Options

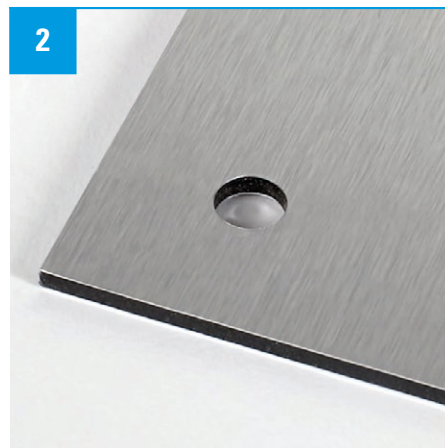
### 1 Railfix and Clips

Material: Extruded Aluminium Rail +  
Stainless steel clips.  
Compliant with EN-12899  
Suitable for Aluminium and Dibond  
base materials.  
Used to mount signs to circular poles.  
Available clip sizes: 50mm, 60mm, 76mm, 89mm,  
114mm and 140mm.



### 2 Corners Drilled/punched

Suitable for all rigid base materials.  
4mm corner holes (or as specified).  
For screw fixing to walls.



### 3 High Bond Tape

Material: 3M 468MP  
Solvent resistant.  
Moisture resistant.  
Performance range: Temperature of  
-30 deg Celcius to + 149 deg Celcius.  
Used to mount signs to smooth, clean,  
flat surfaces. Suitable for all rigid base materials  
(depending on sign size).



### 4 Eyelets for signage

Types available: Nickel, Brass, Clear plastic.  
Standard size is No 4.  
Hole diameter: 12mm  
Overall eyelet diameter: 24mm  
Suitable for all base materials  
(except aluminium).



# Barriers

## 1 Boot Barriers

Aluminium construction - fully sealed.  
Powder coated paint finish.  
Manufactured to whatever size required.  
Optional Tool Tray, internal shelving and display frames can be added for important messages.

1



2



## 2 PVC Tarp Barriers

Mild steel construction - fully galvanised to BS EN ISO 1461:2009.  
Powder coated paint finish.  
Any size barrier can be made to meet your needs.  
Fitted with hook and receivers for attaching barrier to barrier.  
Swivel support legs for quick setup.  
Graphics/logo or message can be added to PVC.

3



4



## 3 Aluminium Barriers

Mild steel construction - fully galvanised to BS EN ISO 1461:2009. Aluminium face.  
Powder coated paint finish.  
Any size barrier can be made to meet your needs.  
Fitted with hook and receivers for attaching barrier to barrier.  
Swivel support legs for quick setup.  
Graphics/logo or message can be added to aluminium face.

## 4 Collapsible Barrier (stands and covers)

Mild steel construction - fully galvanised to BS EN ISO 1461:2009.  
Manufactured to whatever size required.  
Powder coated paint finish.  
Swivel support legs for quick setup.  
Modular components come apart easily for ease of storage and transport.

5



## 5 Expandable Barrier

Available in a variety of colour combinations for hazard identification.  
Compact frame - 450mm wide when closed.  
Opens out to over 3.25m when open.  
1m to top of barrier.  
Fitted with drop latch to keep closed when transporting.  
Fitted with hook and receivers for attaching barrier to barrier.  
Mild steel construction - fully galvanised to BS EN ISO 1461:2009.  
Powder coated paint finish.  
Box sections fitted with plastic cap ends.  
Additional mild steel sections can be added to extend to 5m if required.  
Custom sign message can be attached to extendable barrier.

# Temporary Buildings/ Tentage

## 1 Internal Launderable Tents

## 2 External Launderable Tents

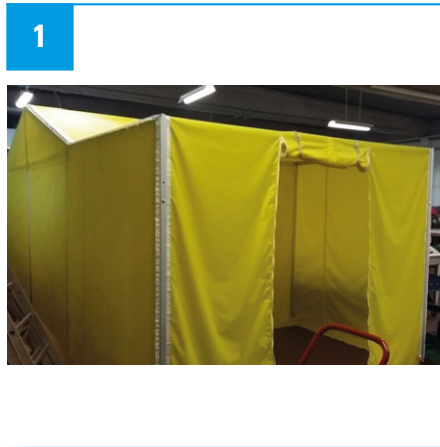
With UniTech tents you can decide the needs you have from roofs that open to use the with Gantry cranes, windows, airlocks, portioned parts to allow different areas of work and or offices to side doors that allow vehicle access. The tents are modular so that they can be added to or reduced in size to meet the needs.

- HEPA Ventilation and Power cord tube access
- Wind and Snow rated for each geographical area
- Modular adjustments at 3 meter lengths
- Site to Site Contaminated materials transport
- Build teams supplied where needed

ALL UNITECH TENTS ARE FIRE RETARDENT

## 3 Semi-Permanent Structures/Tent

Unitech has supplied launderable tents across the UK and Mainland Europe designed to customer's needs. We now have value for money semi-permanent tents that we can support the build of and removal to another site when needed. Our prices are competitive so why not call to get an idea of price and capabilities from UniTech.





# Specialist Bespoke Products

## 1 PPE Dispenser Cabinet

Stainless steel construction.  
Can made to any size or design required.  
Hard wearing polycarbonate windows for quick identification of PPE equipment.  
Supplied with braked castors and lifting points for forklift.



2



## 2 Waste Barrel Securing Rings

Mild steel construction - fully galvanised to BS EN ISO 1461:2009.  
Powder coated paint finish.  
Any size ring can be made to meet your needs.  
Suitable for both indoor and outdoor use.

## 3 Collapsible Air Monitoring Table

Aluminium construction.  
Powder coated paint finish.  
30mm deep table top and neoprene insert securely hold air monitor in place.  
Optional hooks on main support to keep hose tidy.  
Modular components come apart easily for ease of storage and transport.



4



## 4 ISO IP2 Containers

Made from 50mm x 50mm boxed steel this is designed to fit into an ISO Container then blankets added to form a Radiation Clean area for carrying out monitoring. The frame can be bolted in and or left free fit within the ISO Container and can be removed and stored for future use when needed.

## 5 Mobile Access Platform

Designed for specific purpose of clients requirements.  
Aluminium construction.  
Powder coated paint finish available.  
Supplied with braked castors for transport ease from location to location.



6



## 6 Barrel Extension Securing Bars

Mild steel construction - fully galvanised to BS EN ISO 1461:2009.  
Powder or plastic coated paint finish.  
Extendable threaded rod secures brace between barrels.  
Neoprene pads protect barrels from wear while secured in place.

#### 7 C2 Barrier Tool Accessory Table

Designed for specific purpose of clients requirements.  
Aluminium construction.  
Powder coated paint finish available.



#### 8 Drum Skids

Mild steel construction - fully galvanised to BS EN ISO 1461:2009.  
Allows Barrels to be easily moved with pallet/fork trucks.  
Also fitted with 4 no. lifting eyes.



#### 9 Equipment & Sample Bottle Trolley (mobile and fixed)

Designed for specific purpose of clients requirements.  
Aluminium construction.  
Powder coated paint finish available.  
Supplied with braked castors for transport ease from location to location.



#### 10 Cold Trap Trolley

Designed for specific purpose of clients requirements.  
Aluminium construction.  
Powder coated paint finish available.  
Supplied with braked castors for transport ease from location to location.

#### 11 Half Mask Dispenser Cabinet

Aluminium construction.  
Powder coated paint finish.  
Optional support stand.  
Easy access sealed hatch protects masks from dusty environment and indicator window lets you know when stock needs refilling.



#### 12 Aluminium Cabinet

Aluminium construction.  
Can made to any size or design required.  
Powder coated paint finish.  
Includes lockable sliding drawers and hinged doors with shelved storage space.

# Protec Temporary Flooring and Protection

## 1 Multi-Shield FR

FR Multi-shield PE Film + Scrim + Coating + Printed PE sheet in rolls of 1m x 50m



## 2 Proplex FR

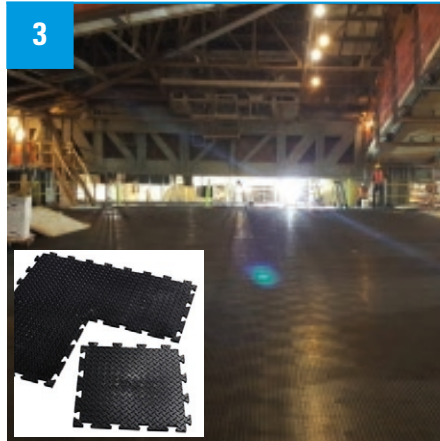
Proplex is a rigid flame retardant twin-walled product available in sheets. It is both lightweight and strong making it a very versatile protective material for vertical and horizontal surfaces. This product is available in a variety of grades between 2mm and 4mm and 250 g/m2 up to 1200 g/m2. Available in a variety of colours with own logo on request.



## 3 Rhino Tiles

Good anti-fatigue properties, and is resistant to most solvents and chemicals. Follows contours of decks, and does not contract or expand with temperature changes.

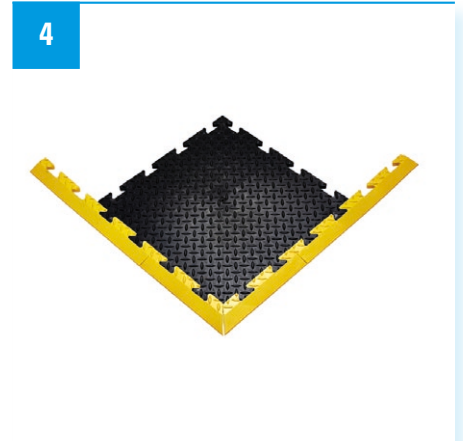
Standards - BS EN ISO 9239-1:2010,  
BS EN ISO 11925-2:2010



## 4 Rhino Tile Edging

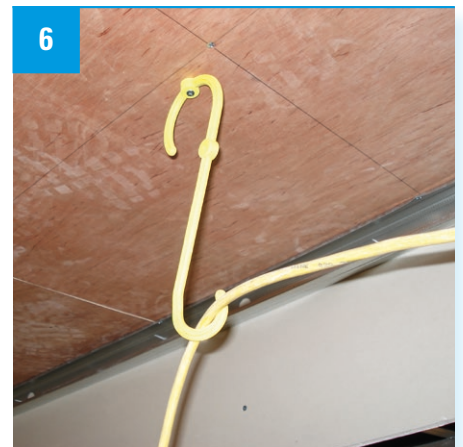
Quick and simple to install. Light weight while offering high impact resistance. Does not warp when wet and exposed to the weather. Offers excellent anti slip properties, and is extremely hard wearing and durable.

Standards - BS EN ISO 9239-1:2010,  
BS EN ISO 11925-2:2010



## 5 Tracktile

Track Tile provides an easy to use solution for the provision of pathways and access routes on sites, temporary car parks and external ground/floor protection. It is the ideal porous paving system making it the perfect choice in situations with adverse weather conditions improving traction for foot or vehicular traffic. The robust tiles are easy to move and simple to lock together. They can then be secured to the ground using pegs and moulds to irregular surfaces and gradients. The product can be re-used, is 100% recycled and 100% recyclable.



## 6 Skyhook Cable Supports

Plastic skyhooks with screw eye-lets that come in boxes of 100 designed to support cables.



#### 7 Protec Peelguard

Peelgard is a temporary peelable protective coating designed to protect non porous surfaces from damage caused by abrasion, staining, spillage, weathering and scratching. The liquid applied coating dries to form a tough water resistant film that will protect surfaces such as; glass, PVC, metal and other non-porous substrates for up to 12 months.

DO NOT USE ON ACRYLIC SURFACES



#### 8 Protec Promesh FR

Promesh FR is a popular choice for protecting Vinyl floors due to its strength and durability. Promesh FR has a wide range of applications such as it can also be applied vertically for use as a temporary screen. The strength provided by the interwoven polypropylene mesh sheet means that it is rip proof and puncture resistant, perfect if you need to protect a floor for long periods or from heavier traffic.

# Dycem Flooring Systems

## 1 WorkZone

**Bespoke Packing Charges:** Single rolls over 12 linear meters need to be specially packed at extra charge, POA.

**Materials Cut to Size:** A 10% surcharge will be added to orders where WorkZone is required to be cut to size rather than purchased as a roll.

## 2 CleanZone

**Bespoke Packing Charges:** Single rolls over 12 linear meters need to be specially packed at extra charge, POA.

**Materials Cut to Size:** A 10% surcharge will be added to orders where CleanZone is required to be cut to size rather than purchased as a roll.

## 3 CleanZone Lite

Dycem's new CleanZone-Lite is ideal for short term solution, can be self-installed by the customer and is small enough to fit in to small gaps, with a low profile. The product can be printed with customised requirements such as the inclusion of a logo, and in a variety of different colours, subject to minimum order numbers. Please speak with your local representative for further information.

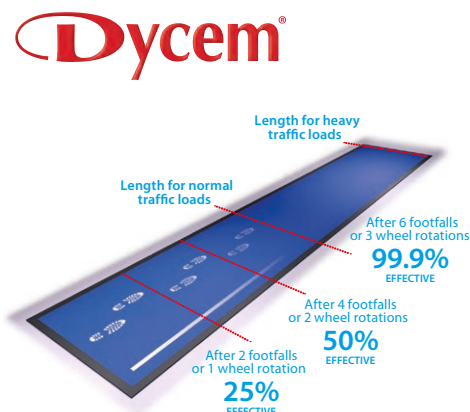
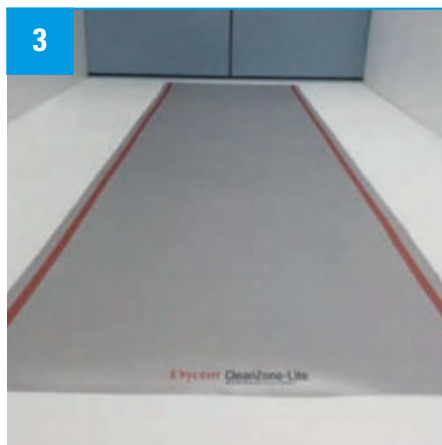
## Site Survey

At Dycem, we offer a thorough analytical site survey in order to detect the cleanliness of your facilities.

### As part of the site survey:

- Our contamination control specialists will offer their expertise on the most effective ways of controlling contamination.
- They will assess your critical areas and suggest the most appropriate contamination control system available.
- During the meeting, examples of existing installations will be presented to you via our app, to illustrate Dycem's capabilities in similar scenarios to yours.
- If required, we perform a quick and easy ATP Test to give an indication of hygiene and cleanliness in seconds.

We will then provide you with a full in-depth report and recommendations.



# Shielding

## 1 Lead/Wool Shielding Blankets

UniTech are able to supply most shielding products needed by customers including solid and/or wool lead blankets, sleeves, containers and moulded products to order.

## 2 ISO IP2 Internal Shielding Frames

Made from 50mm x 50mm boxed steel this is designed to fit into an ISO Container then blankets added to form a Radiation Clean area for carrying out monitoring. The frame can be bolted in and or left free fit within the ISO Container and can be removed and stored for future use when needed.

## 3 Mobile Shielding Racks

Designed for use with protective lead blanket. Available in a variety of colour combinations. Mild steel construction - fully galvanised to BS EN ISO 1461:2009. Powder coated paint finish. Any size rack can be made to meet your needs with hooks on both sides. Supplied with braked castors for transport ease from location to location.

## 4 Mobile Drum Shielding Container

Designed for use with protective lead blanket. Mild steel construction - fully galvanised to BS EN ISO 1461:2009. Powder coated paint finish. Supplied with braked castors for transport ease from location to location.





# UniTech Services

UniTech Services Group, with two processing facilities and R&D locations is the leading provider of protective garment management services for the nuclear industry in Europe. The main purpose of this service is to ensure that the customer has the right PPE at the right place at the right time.

Since 2012, UniTech Service Group

also provides a scaffold monitoring and decontamination service. For further information please continue to check our website and visit [www.unitechus.com](http://www.unitechus.com) for more info on our international capabilities.

UniTech also offers a Mobile Supply Store solution where products are delivered straight to your job site in a warehouse on wheels.

Unitech is presently preparing to build a new processing facility in the Haute Marne area of France. This facility will have added service support with a purpose built temporary storage and leasing area for contaminated materials and a dedicated workzone area for TMD Work.



## Laundry Services

We have a proven track record in the safe, efficient service for external decontamination facilities of PPE used in the Nuclear Industry across the world – particularly aimed at protecting the Environment through re-use of contaminated items. All of our facilities are licensed or permitted to dispose of low levels of radioactive waste.

All our processes following rigorous compliance requirements throughout by using the latest proven technology to ensure standards are met and exceeded.

## Respirator Services

UniTech offers a decontamination and service of respiratory protection. The protective masks leased or owned by our customers are cleaned and repaired by trained staff before they are sent back to the customer.

Individual masks are identified using the barcodes. This makes lease, maintenance, and repair more effective because the barcodes allow individual respirators to be tracked throughout their life cycle. Respirator equipment can also be obtained for shorter periods of time in large quantities for procedures such as outages or projects.

## Lease Management Service

UniTech offers a lease service which allows customers to order quantities of protective garments and respirators with delivery in a short period of time. This includes most coveralls, protective shoes, over shoes, under garments. The lease service can also be customized to the specifics that the customer desire.

These specific requests are often required for short term use for procedures such as outages or other specialized work procedures.

One of the main advantages of using the lease program is that the customer can avoid the costs for purchasing, storing and disposing of the garments.



### Temporary storage and leasing of RCA

UniTech Services provides its customers with unique capabilities of temporary storage and processing of contaminated materials through its future plant in France. Storage area of 1000 m<sup>2</sup>

- Storage capacity of seventy-eight 20 feet containers
- Area of 2000 m<sup>2</sup> for maintenance of contaminated materials (flexible configuration)

It is planned to also offer this service through our UK plant in 2020.



### Scaffold Monitoring Service

One of the most exciting and innovative developments in the new services that Unitech are able to offer is scaffold monitoring and decontamination services.

UniTech utilizes state-of-the-art automated tool and equipment monitors designed specifically for tube scaffolding, joints and wood or aluminium planking.



### Mobile Warehouse Service

We can offer a portable warehouse for your facility in which you can at any time access your articles of clothing for work, their accessories and any other materials you may need to keep your establishment running smoothly.

At your request, we set up an inventory that even during outages, or other unusual circumstances, articles of clothing can be provided without delivery time.

The warehouse is situated inside of a container that we place on your property. The container is fully lit and heated, so that it can be used in cold weather.

After the container has been set up, you will receive an exact list of its contents and overview, including where particular articles can be found.



### Emergency Protection Centre

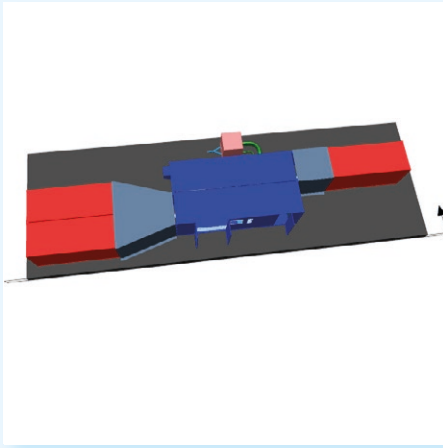
The Swedish nuclear power companies, after the Fukushima incident demanded from the Swedish radiation protection authority to establish a emergency protection centre in the event of a potential reactor failure. This meant that it should be possible to handle evacuations of personnel such as collecting, registering and monitoring of staff at the affected plant. The extent of protection means checkpoints with sanitation, measuring possibilities and other supplies externally from the power plant. Requirements were also protective materials and other materials to be stored up in connection to the power plant, as well as within 40-50 km to withstand supply 7 days in the event of excessive contamination or radiation levels.

Unitech was contracted to deliver in total 13 special designed 20" sea land containers to store up at 4 different locations. One part are the "Immediate" PPE materials, 1 cont placed directly outside the site. Next the two so called logistic center containers

located approx 50km from the plant.

Finally 4 common owned containers placed on a central spot between the power plants (Studsвик Nyköping).

The volumes and products in the containers are decided by the Swedish customer and ordered and packed by Unitech in Barsebäck NPP. Of the common PPE a leasing option valid for 5 years was agreed for both Vattenfall and Eon. Vattenfall also chose to buy the immediate and Log c containers and Eon are in a lease to own contract. Unitech are also contracted to service the leased emergency containers on a agreed cost during the total contract time.



#### D-Box Mobile Control Zone

UniTech has developed a unique concept in Europe: an autonomous mobile controlled zone. Today a large number of materials are stored without time limit in nuclear zones (scaffold for example) or in containers on specific dedicated areas outside buildings. Considering transport issues of these materials, UniTech is able to propose an innovative and adaptive solution meant for any kind of site allowing:

- To make inventory of big materials volumes (high rate).
- To carry out radiological control operations in Low Background environments.
- To decontaminate in situ if necessary.
- To sort waste and dispatch them to the appropriate waste route.



#### Lead Blanket Renovation

UniTech Services, in collaboration with a worldwide lead shielding company (NPO) has developed an innovative and sustainable service: the renovation of old lead blankets.

Today, many old lead shielding products are stored on site waiting for dispatch through the waste streams. We provide a full service including inventory, sorting, radiological control and refurbishing.



#### Customised Solutions

We understand our customers specific everyday needs. We know the significance of fire protection, decontamination ability, reusability of our products, and we understand the importance of minimizing radioactive waste.

Based on 50 years of experience in the nuclear industry we are developing solutions that are specific to your problems.

UniTech has developed covers, tents, and other customized products that simplify your everyday challenges. We will work with you to find solutions to your specific needs regarding more complicated circumstances. UniTech are Nuclear Specialists.



#### Emergency Monitoring Support

##### Mobile Contamination Characterization Center (MC3)

Speed up and optimize population monitoring and radiological decontamination using UniTech's patented Mobile Contamination Characterization Center (MC3) technology. In a nuclear terrorist scenario, there could be tens to hundreds of thousands of individuals evacuating the event epicenter.

- Emergency responders want the evacuation to minimize the spread of contamination, demanding a quarantined perimeter.
- Population must be individually monitored for radiological contamination at the perimeter then channelled appropriately for action.
- Delays increase the amount of time radioactive material remains on people.
- Danger of public hysteria and panic rises as the situation continues unresolved.

Armed only with conventional instrumentation, today's radiological emergency responders would be faced with a daunting or impossible task to monitor, sort and clear population in response to terrorist scenarios involving nuclear materials.



### ADR Transport Services

UniTech can supply normally in less than 2 weeks-notice and in emergencies even sooner 20ft full height IP2 rated ISO for the site to load with shipping items and then Unitech collect and deliver to required destinations within an agreed time using an articulated vehicle with a sliding skeletal trailer with twist locks and class 7 Licensed driver.

UniTech are happy to provide this service to any company needing this support using if required our own ISO IP2's, Lorry units and Class 7 drivers.



### ISO IP2 Leasing Services

Unitech holds a number of ISO IP2 containers For leasing to customers for short or longer periods Including the option for delivery and collection (if required).



### Fabrication Services

Unitech with support from our engineering and sheet metal fabrication manufacturer SigniaTec can now offer a wide range of products and services including:

Stainless steel, aluminium and mild steel fabrication facilities, Powder coating and plastic coating services. No project too small or big with design drawings produced for agreement before build starts.



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