Ventura Medical Services System
Flexible Solutions
STATIC
BEDHEAD
TRUNKING SOLUTIONS

Leading by **Design**

The Ventura Medical Services System provides a truly flexible solution for use in all healthcare environments. Its innovative design accommodates a wide range of applications from high dependency units requiring heavily populated systems, through to the less demanding requirements of a general acute medical ward or day care unit.

The modular design allows the required number of horizontal sections to be locked together. For even greater flexibility, once installed additional sections can be simply added if requirements change.

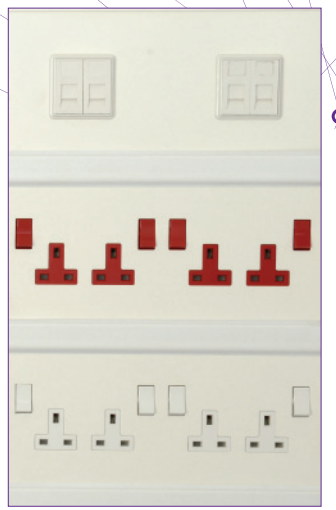
Ventura meets the requirements of Health Technical Memorandum (HTM) and all other relevant standards, guidance and practice.

Based on our specialist healthcare knowledge and extensive experience additional features have been included for improved infection control, build quality, and ease of installation and servicing.

At a glance:

- Flexible solution
- Suits all healthcare environments
- Compliant with relevant standards
- Designed for infection control
- High build quality
- Ease of installation and servicing

Designed for the
Healing Environment



Robustly constructed with functionality in mind and a no-nonsense approach to design makes Ventura the ideal solution for today's healing environment.

Simple lines give Ventura a distinct look and feel that is capable of adaptation to meet the varied needs of a world-wide market.

A Clean Environment

Designed with infection control in mind, dirt traps have been minimised with PVC strips provided to cover gaps and visible fixings.

A Pleasing Environment

To assist in providing calm and visually pleasing surroundings as an aid to patient recovery, Ventura is available in a range of RAL colours to complement hospital decor.

The flexibility provided with Ventura gives design teams the scope to arrange services so as to maximise space at the bedside for the convenience of both medical staff and patient.

In order to accommodate clinical equipment horizontal medical rail is easily added as an integral part of the trunking structure.

At a glance:

- Nurse Call
- Medical Gas
- Data
- Lighting Control
- Standard, Essential and Isolated Power Supply
- USB Power Outlets
- Isolated Earth Jack
- Medical Equipment Rail

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Designed to be **Flexible**

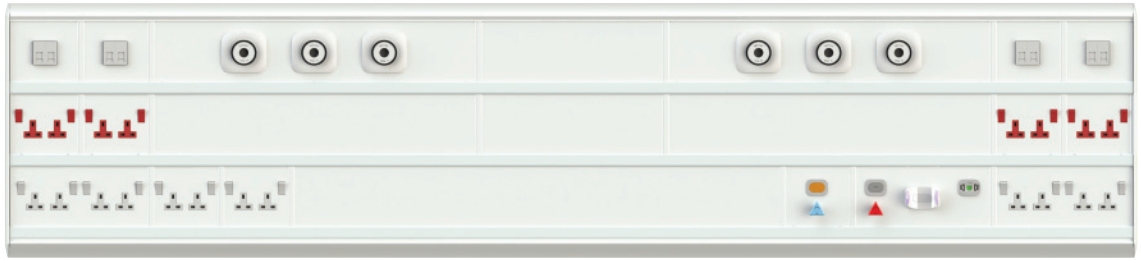
Any number of channels can be clipped together and populated in accordance with specific project requirements.

Virtually any brand of medical gas outlet, data, electrical sockets and other services - including nurse call, can be included in line with world-wide standards and requirements.

Typical Configurations

Day Ward: Single Room

Adult Ward: Single Room



Critical Care: Neonatel

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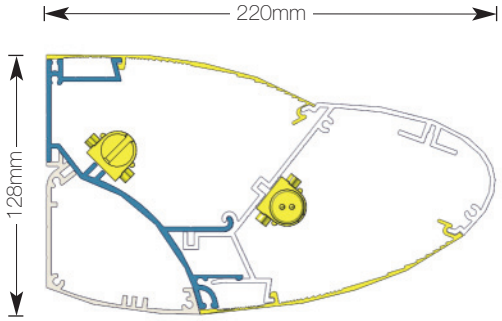
Ventura system
Lighting

A wall mounted luminaire, designed for reliability, improved energy efficiency and a long service life whilst still maximising light-output complements the Ventura system.



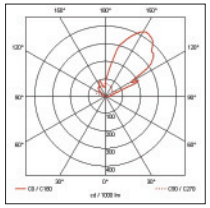
Recommended mounting height above floor level to centre of luminaire: 1800mm.

Specification

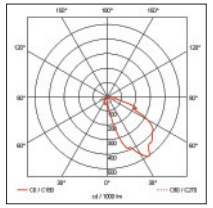
Uplight	54W	80W
Downlighting	28W Dimming	28W Dimming
Length	1.2M	1.5M
Weight	Approx. 6kg	Approx.7kg
Finish	Powder Coat Standard colour finish 'white'* RAL 9010, 25% gloss (matt)	
Material Extrusions Plastics Lens Reflector	 Aluminium EN AW 6060 T66 ABS 'grey' RAL 9018 Polycarbonate Micro4 Aluminium	

* Alternative RAL colours and finishes available to special order. Powder coat finish includes anti-microbial additive.

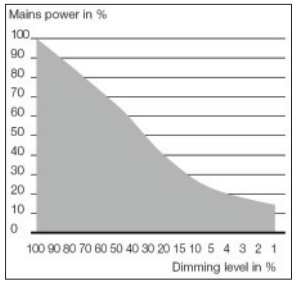
Photometric Data



54W T5 Uplight



28W Dimming T5 Downlight



Based on 28W Dimming Downlight.
Additional data available on request.

Power Usage

Unit	Power Usage
28W Dimming Downlight	0.0314 kWh @ 100% light output
54W Uplight	0.058 kWh
80W Uplight	0.086 kWh

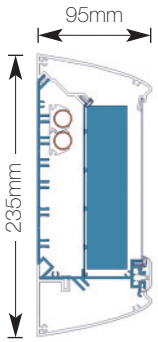
Ventura system

Technical Specification

Specification

Section Lengths	2.4mtr & 3mtr (Trunking sections can be cut to size on site)
Cable Capacity	Approx. 4,200mm^2 (Per Compartment)
Pipe Capacity	4 x 15mm plus 2 x 22mm (Per Compartment)
Front Plate Depth	144mm
Trunking Weight	Approx. 12kg/metre (Per Horizontal Compartment, depending on compartments used)
Finish	Powder Coat Standard colour finish 'white' RAL 9010, 25% gloss (matt)*
Material Extrusions Front Plates Divider Strips Plastics	 Aluminium EN AW 6063 T6 Zintec Steel (1.2mm) PVC, 'white' RAL 9010 White ABS

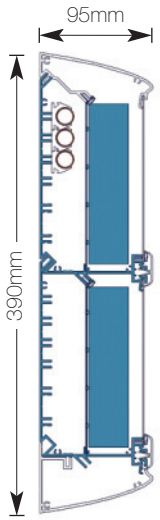
* Alternative RAL colours and finishes available to special order. Powder coat finish includes anti-microbial agent.



Surface Mount
1 Channel

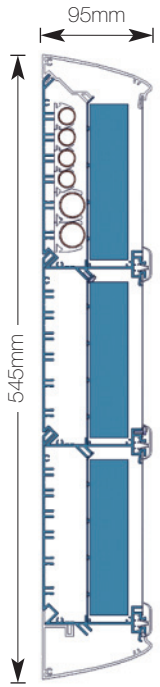
Recommended mounting height above floor level to centre of gas:

900mm - 1600mm



Surface Mount
2 Channel

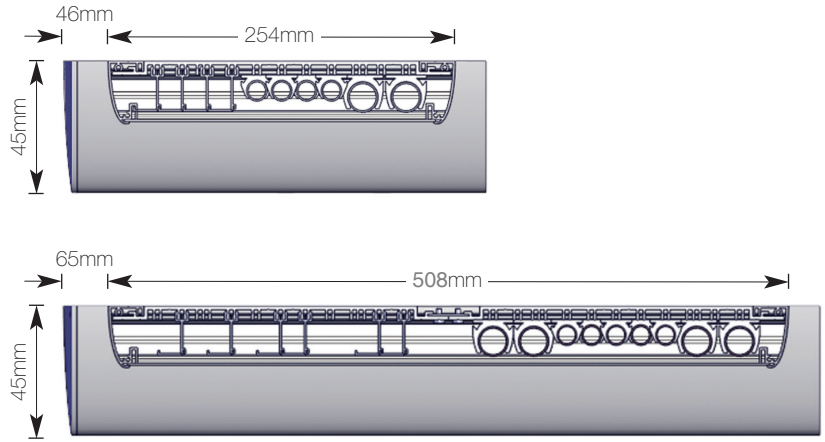
Each channel can accommodate LV, ELV, medical gases and equipment.



Surface Mount
3 Channel

Ventura Risers

Services can be brought into the trunking from the rear, or using a riser. Two lengths of riser are available: 1.6 metre and 1.8 metre.



Viewed from top of Riser.

System Compliance

Ventura has been designed to meet the following standards. Supporting and referenced standards also apply:

- HTM 08-03: Bedhead Services
- HTM 02-01 - Part A & Part B: Medical Gas Pipeline Systems
- BS EN 11197 - 2009: Medical Supply Unit
- EN 60601-1-2: 2007 - Medical Electrical Equipment
- EN 60601-1: 2006 + A11: 2011 - Medical Electrical Equipment
- Lighting Guide 2 - Hospitals & Healthcare Buildings
- BS EN ISO 19054: 2006 - Rail Systems for Supporting Medical Equipment
- BS EN 60529: 1992 + A1 + A2 - Degrees of Protection (IP Code)
- BEN 60950 - 1: 2006 + A12: 2011 - Low Voltage Directive

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Designed for ease of

Installation and Service

The Ventura system provides a modular approach to construction. The flexible design allows for single or multiple bed configurations with options for risers.

Simple to Install

Ventura provides a time efficient method of installation for on-site assembly teams using a minimal number of component parts.

Servicing Efficiency

Ventura front plates are designed to be removed for easy access whilst servicing is carried out.

An innovative gas escutcheon allows outlets to be routinely serviced without the need to remove front plates - all adding up to improved efficiency and ease of service.

Adaptability

Recognising that a medical services system will be in use for many years, during which time ward requirements will most likely change, Ventura has been designed with adaptability and modification specifically in mind.

Front plates can be replaced to accommodate alternative services and, additional horizontal sections can be added.

1

Fit chassis to wall

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2

Fit equipment boxes, gas and wire

3

Fit front plates, divider strips and end caps

At a glance:

- **Innovative design** uses any number of horizontal sections to accommodate required services
- **Choice of colour.** Supplied 'white' - RAL 9010, 25% gloss (matt) as standard with alternative RAL colours and finishes available to special order
- **Anti-microbial additive** incorporated into the powder coat finish to assist in reducing the risk of cross infection
- **Lightweight sections** drawn from type 6060 aluminium for maximum strength
- **Extruded aluminium** top and bottom covers with Zintec Steel front plates for rigidity
- **Easy access to services** for maintenance
- **Optional equipment rail** to carry medical accessories
- **Accommodates any combination** and type of gas outlet, medical, electrical and communications equipment
- **Wall mounted luminaires:**
  - **Digitally controlled intelligent electronic ballasts with warm-start operation** for optimum efficiency and long-life
  - **Constant power control, advanced tuneable reflector technology and T5 fluorescent lamps** for optimum performance, flicker elimination and colour rendering

Designed for
Off-Site Construction

Leading in the field of best practice and innovation, our Ventura medical services system has been designed to be delivered to site fully assembled. All services are installed, tested, certified in line with current standards and, where required, fitted with modular wired connectors to provide a quality, time and cost-effective solution for off-site construction projects.

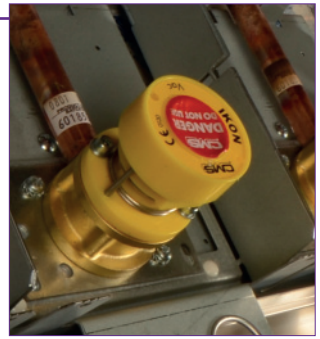
Working in Partnership

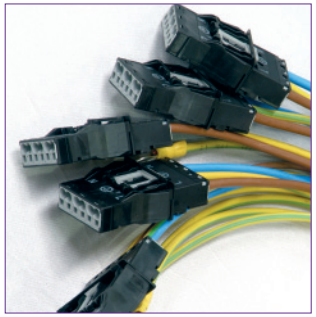
Typically, in advance of a contract being placed, workshop sessions with other supply trade specialists and construction teams are undertaken to discuss co-ordination, logistical and manufacturing issues to ensure that off-site work is carried out efficiently and to an agreed programme.

Purpose Equipped Manufacturing

Our manufacturing facilities allow specifically for the assembly of medical services systems. Providing for easier control of production in a clean and safe working environment. Off-site manufacture is ideal for accommodating just-in-time deliveries.

During the production process our facilities are also available for use by third party suppliers, such as gas installers.





At a glance:

- Purpose designed to facilitate off-site construction methods
- Connectors and draw wiring included where necessary
- Easy connection of electrical and gas services at low level
- Simple method for joining sections for multiple bed units
- Effective control and monitoring of manufacturing process

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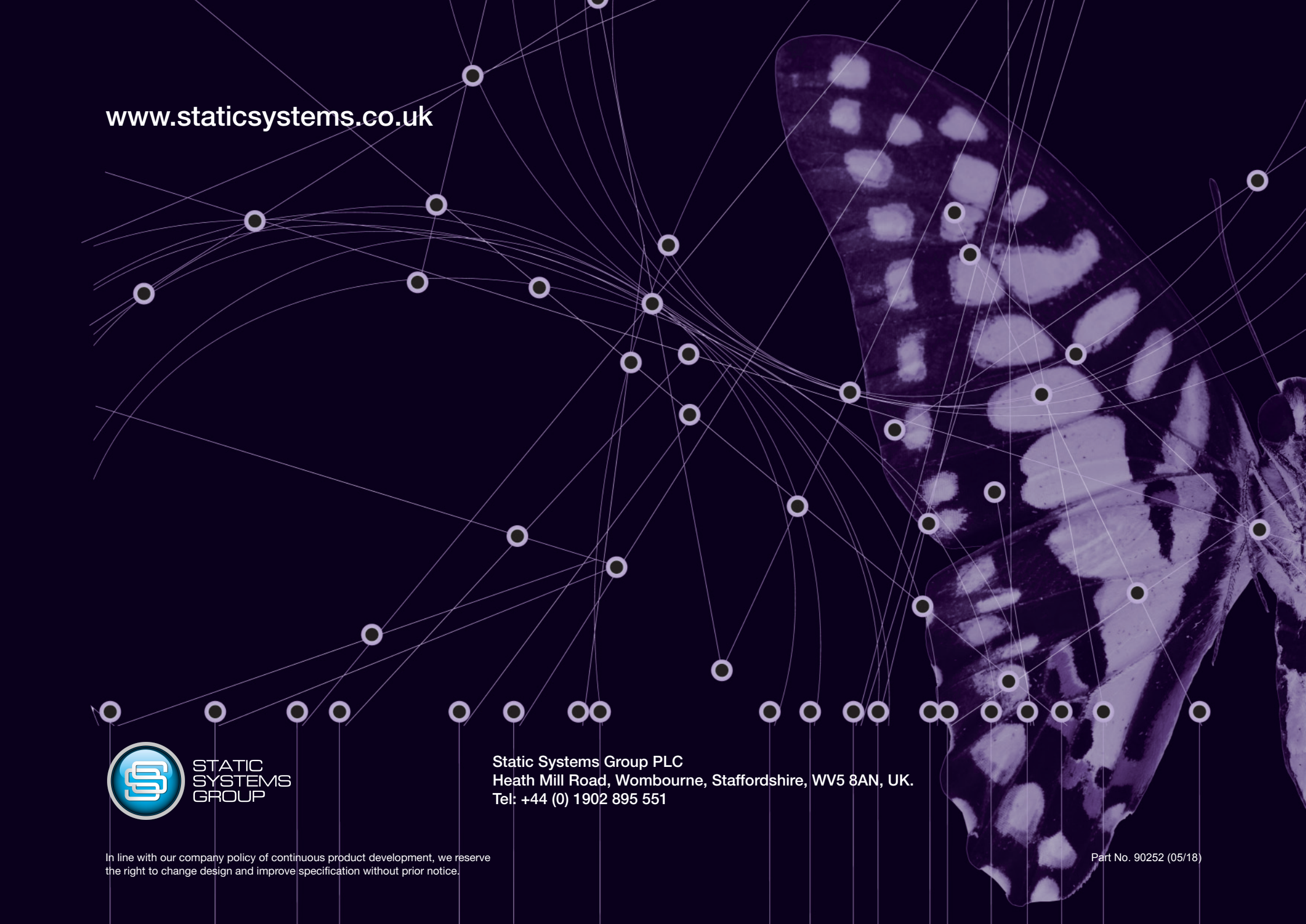
Design Expertise

Good design, meeting with the needs of patients and staff can only be achieved through expert advice and careful consideration of the many factors affecting the patient bedside.

Our specialist bedhead services design engineers have extensive experience in working with project management teams to provide optimum solutions for individual applications. Using AutoCad and Solid Works layout drawings can be provided.

Designs can be brought to life in our full-size 4 bed-bay to allow concept testing and consideration of practical day-to-day issues - a useful addition to architectural and engineering drawings.



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In line with our company policy of continuous product development, we reserve the right to change design and improve specification without prior notice.

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