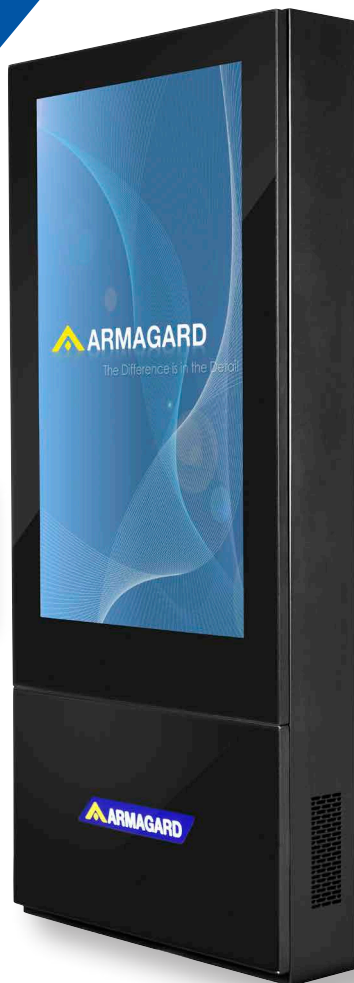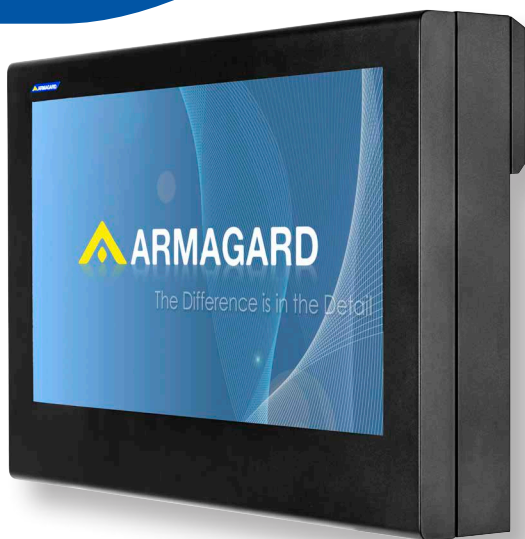# ARMAGARD

OUTDOOR DIGITAL SIGNAGE ENCLOSURE SPECIALISTS

PRODUCT BROCHURE

ABOUT US

The global leader in outdoor digital signage protection...

Armagard creates state-of-the-art, environmentally-controlled, highly-durable digital signage enclosure solutions for any outdoor application.

The company has designed, manufactured and sold more than 100,000 environmental enclosures across 50+ countries, working with customers like:

• Volvo

• KFC

• Westfield Shopping Centres

• Gatwick Airport

• Audi

• Emirates Airline

• Ford

• BP

• Dutch Brothers Coffee

• Sharp

With 26 years' experience in hardware protection, we are a trusted name with an established reputation for industry expertise, cost-effectiveness, reliability and international reach.

We manufacture every product to suit a specific environment, factoring in the aesthetics while tackling the challenges, including:

• Weather conditions

• Extreme temperature fluctuations

• Airflow

• Vandalism

Armagard constantly creates and innovates using the very latest technologies to deliver long-lasting products. Our forward-thinking approach to digital signage protection is what makes us number one in the market.

CONTENTS

Call: +44 (0) 121-608-7226

MARKET APPLICATIONS

Outdoor Digital Signage

Choose from a unique range of 19"-75" outdoor & indoor ready enclosures, manufactured to IP industry standard. Completely customisable, add touch screen features, anti-glare technology & temperature regulating systems. Available in various designs including totem, landscape & portrait styles, units come complete with a 5-year warranty for mechanical parts.
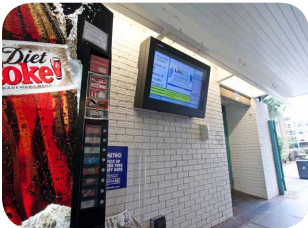
Drive Thru Menu Boards

Increase spend per customer and boost overall fast food sales by 3-8% at your quick service restaurant (QSR) using Armagard's digital drive thru menu boards.

Speeding up service times and making time intensive menu changes a thing of the past, digital drive thru menu boards are convenient for customer and QSR alike.

Education

Use digital signage to display relevant information to staff, students, parents & visitors. Replace static, uninspiring noticeboards, cluttered with too many messages & reduce printing costs. Create a sense of community & involvement by promoting events & achievements. Motivate by showcasing students' work, creating a sense of pride & accomplishment.

Sporting Events / Stadiums

Reach a ready-made audience of sports fans at sporting events by communicating in a fresh way & improving merchandise sales & income from concession stands during intervals. Install digital signage throughout stadiums across concourses, corporate boxes, media areas, dining facilities & dressing rooms.

Transport

Great for airports, train stations, bus depots & taxi stands, go digital & display information in real-time, keeping customers constantly informed. Ease the strain on manned information stands & reduce printing costs. Update information quickly & conveniently & occupy the time of commuters & travellers caught in a queue.

Gas Station / Petrol Pumps

Armagard's ceiling mounted enclosures enable gas stations to deliver a unique digital messaging experience, capturing customer attention and engaging with people as they fill up. This leads to increased sales on outlet promotions, while building customer loyalty! Armagard's ceiling suspended LCD enclosures can safely accommodate screens up to 75".

Wayfinding and Smart City

Use digital signage across any industry sector – health care, hospitality, education & retail – as a wayfinding system. They're easily identifiable for users, simple to use & can be positioned in key locations. Running a special promotion? Direct customers to your door to buy what you're offering.

Washdown (Stainless)

Designed to protect digital signage used in wet, humid workplaces, washdown enclosures are perfect for food manufacturing, medical and pharmaceutical facilities. Fully waterproof, Armagard's washdown range can be fully jet washed in order to maintain hygiene & cleanliness standards, while allowing facilities to stream digital messaging where other displays could not!

LANDSCAPE ENCLOSURE

Outdoor Digital Signage

Armagard's landscape LCD enclosure is a definitive piece of digital signage hardware, perfect for entry level installations, right through to large scale outdoor networks.

This protective outdoor enclosure is sealed to IP54/56/65 industry standard, providing a shield against heavy rain, dust, extreme temperatures, high impact forces and electrical surges.

A 70" landscape enclosure for a major pizza chain.

Available for screen sizes ranging from 19" up to 75", an Armagard LCD enclosure can be installed with most commercially or professionally made display types. Furthermore, screens can be installed quickly using the universal VESA mounting system, and have enough additional space to fit a separate media player or micro-PC.

A row of 47" landscape enclosures for an international airport.

19" - 75"

HIGH BRIGHT READY

Create a complete solution... With a choice of NEC, Samsung, LG or Dynascan High-Bright screens ranging from 2,000 to 3,000 NITS, get the ultimate outdoor advertising system that's sunlight readable. Furthermore, Armagard enclosures are compatible with a wide range of screen manufacturers, leaving you free to install most commercially available High-Bright (VESA ready) screens. Display your content with crystal clear clarity, even in direct sunlight.

Benefits

- Increase sales from outdoor digital signage.
- Wall mounted signage for high-traffic areas.
- Minimises downtime and lost advert revenue.
- Increases display efficiency and lifespan.

ACCREDITATIONS & WARRANTY

ENVIRONMENTAL CONTROL

Environmental control features a range of interior components such as fans, heaters and insulation, which work together to maintain the most efficient operating temperature for your display, even in climates where extreme temperatures can vary annually from intense heat to sudden freezing (-30°C to +55°C).

There's also Armagard's state-of-the-art controller board, which enables you to activate heating and cooling controls remotely (optional) to keep screens operating at peak performance. Additionally, if an overly high or low temperature is detected, the controller board will automatically switch-off the screen to prevent any damage from occurring. Meanwhile, the enclosure's viewing screen [glass only] can be coated with anti-glare or anti-reflective technology reducing reflections from 4% to less than 0.4%.

An open, 60" 'cold climate' enclosure.

		LITE	STANDARD	COLD CLIMATE	HOT CLIMATE
		Semi-outdoor	Fully Outdoor	Fully Outdoor	Fully Outdoor
All Sizes		19", 24", 32", 42", 47", 49" 52", 55", 60", 65", 70", 72", & 75"			
Model code		L	S	H	AC
Temperature range		0°C to 30°C	-5°C to 35°C	-30°C to 35°C	-30°C to 55°C
IP/NEMA rating		IP54/NEMA4	IP56/NEMA4	IP56/NEMA4	IP65/NEMA4X
Colour		Black	Black	Black	Black
Interior mounting		✓	✓	✓	✓
Dual security locks		✓	✓	✓	✓
Filter fans		✓	✓	✓	Static Fans
Anti-reflective window		4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Toughened Glass	4mm, Anti-Reflective Toughened Glass
Air curtain (patented)		✓	✓	✓	✓
Plenum chambers			✓	✓	(sealed)
Internal heating			✓	✓	✓
Insulation				✓	✓
Controller board			✓	✓	✓
Air conditioning					✓ (white colour)
Wall mounting (optional)		Flat or Tilt	Flat or Tilt	Flat or Tilt	Requires AC Brackets (flat)

LANDSCAPE SLIMLINE ENCLOSURE

Outdoor Digital Signage

The professional, slimline LED screen enclosure is a new addition to the Armagard range, with an aesthetically slimmer appearance. Sealed to IP54, 56 or 65 for indoor and outdoor use, the enclosure is equipped with the latest climate control technology, which reduces the risk of screen damage caused by temperature fluctuations ranging from -30ºC ~ +55ºC.

An open, 47" landscape slimline enclosure.

The solid and watertight powder coated mild steel chassis, prevents the ingress of water and dust, while protecting screens from acts of vandalism and attempted theft. With a viewing window coated with anti-reflective technology, the enclosure reduces solar load, preventing screen burnout, while improving visibility.

52" closed "standard" slimline enclosure.

19" - 75"
SCREEN COMPATIBILITY

Compatible with VESA mountable screens from brands such as NEC, LG, Samsung, Dynascan and more, the LED enclosure can protect 24", 32", 43", 47", 49", 50", 52", 55" and 75" displays. The new generation design delivers improved temperature management and airflow efficiency, while a lighter structure allows for a smoother installation.

The slimline, professional LED enclosure comes with a five-year guarantee for all mechanical parts and is delivered fully assembled and ready to use.

Benefits

- A slim profile design that enhances the appearance of your outdoor digital signage.

- Improved environmental control extends the ROI from your display.

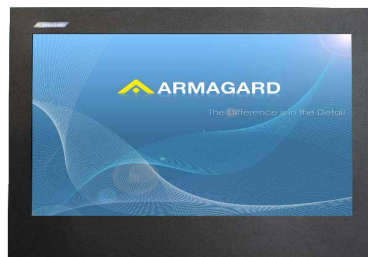- Compatible with VESA mountable, high-bright displays from LG, NEC, Samsung, Dynascan, and more.

ACCREDITATIONS & WARRANTY

ENVIRONMENTAL CONTROL

Environmental control features a range of interior components such as fans, heaters and insulation, which work together to maintain the most efficient operating temperature for your display, even in climates where extreme temperatures can vary annually from intense heat to sudden freezing (-30°C to +55°C).

There's also Armagard's state-of-the-art controller board, which enables you to activate heating and cooling controls remotely (optional) to keep screens operating at peak performance. Additionally, if an overly high or low temperature is detected, the controller board will automatically switch-off the screen to prevent any damage from occurring. Meanwhile, the enclosure's viewing screen [glass only] can be coated with anti-glare or anti-reflective technology reducing reflections from 4% to less than 0.4%.

47" slimline enclosure with screen.

		LITE	STANDARD	COLD CLIMATE	HOT CLIMATE
		Semi-outdoor	Fully Outdoor	Fully Outdoor	Fully Outdoor
All Sizes		19", 24", 32", 43", 47", 49" 50", 52", 55" & 75"			
Model code		L	S	H	AC
Temperature range		0°C to 30°C	-5°C to 35°C	-30°C to 35°C	-30°C to 55°C
IP/NEMA rating		IP54/NEMA4	IP56/NEMA4	IP56/NEMA4	IP65/NEMA4X
Colour		Black	Black	Black	Black
Interior mounting		✓	✓	✓	✓
Quarter Turn Locks		✓	✓	✓	✓
Filter fans		✓	✓	✓	Static Fans
Anti-reflective window		4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Toughened Glass	4mm, Anti-Reflective Toughened Glass
Air curtain (patented)		✓	✓	✓	✓
Internal Plenum chambers			✓	✓	(sealed)
Internal heating			✓	✓	✓
Insulation				✓	✓
Controller board			✓	✓	✓
Air conditioning					✓ (white colour)
Wall mounting (optional)		Flat or Tilt	Flat or Tilt	Flat or Tilt	Requires AC Brackets (flat)

SAMSUNG QSR TOTEM ENCLOSURE

Digital Drive-Thru Menu Display

A single or dual screen enclosure system, the drive thru digital kiosk is a unique, slim-profile unit designed exclusively for Samsung OH46F and OH55F high bright screens (2,500 NITS). The unit has an IP56-rated lower compartment equipped with state-of-the-art, climate control technology to regulate airflow, temperature and power.

A 46" Samsung single and double OHF totem for QSR chain, UK.

With official design approval from Samsung Korea, it's available as an enclosure only option or with the Samsung OHF 46" or 55" screens provided. Suitable for two people to assemble the enclosure (or for crane lifting), the professional QSR Totem presents a simple way to position your OHF screens for maximum exposure, with little hassle.

Enclosures come with a five-year guarantee, but can last up to 10 years, offering a long-term ROI.

Two, 55" Samsung single OHF totems.

SAMSUNG

46" - 55"

HIGH BRIGHT READY

Samsung OH46F and OH55F high bright screens have an embedded media player (the MagicINFO S4 player) and feature anti-reflective technology. With their very own IP56 industry rating, Samsung OH46F and OH55F screens are equipped with an advanced cooling system for reliable thermal control in temperatures ranging from -30°C ~ +50°C.

Samsung displays are VESA-compliant and come with a separate Samsung warranty, for complete peace of mind.

Benefits

- Entice new and repeat customers.
- Potential 3-8% sales uptick.
- Scaleable.
- Improve service times and order accuracy.

ACCREDITATIONS & WARRANTY*

*Warranty extensions are for Armagard hardware and electrical components only. Samsung display warranty remains seperate.

www.armagard.com

ENVIRONMENTAL CONTROL

	STANDARD
	Fully Outdoor
All Sizes	46", 55" (75", 85")
Model code	S
Temperature range (hardware dependent)	-30°C ~ 50°C
IP/NEMA rating	IP56/NEMA4
Colour	Black
Interior mounting	✓
Filter fans	✓
Plenum chambers	✓
Insulation	✓
Controller board	✓

DISPLAY SPECIFICATIONS

Panel	
Diagonal Size	46"
Resolution	1920*1080 (Full HD)
Pixel Pitch (mm)	0.53mm(H) x 0.53mm(V)
Active Display Area (mm)	1018.08(H) x 572.67(V)
Brightness (Typ.)	2500 nit
Contrast Ratio	5000:1
Viewing Angle (H/V)	178/178
Display Colours	8 bit - 16.7m
Color Gamut	72%
Haze	0%
Display	
Dynamic C/R	100,000:1
H-Scanning Frequency	108 ~ 139.5 kHZ
V-Scanning Frequency	96 ~ 123 Hz
Maximum Pixel Frequency	297MHz
Sound	
Speaker Type	N/A
Connectivity Input	
Video	HDMI 1.4 (2), HDBaseT (LAN Common)
HDCP	HDCP 2.2
USB	USB 2.0 x1
Connectivity Output	
Audio	Stereo Mini Jack
External Control	RS232C (In/Out), RJ45 (In/Out), HDBaseT
External Sensor	N/A
Tuner	N/A

DISPLAY SPECIFICATIONS CONTINUED

Power	
Type	Internal
Power Supply	AC 100 - 240 V~ (+/- 10%), 50/60 Hz
Power Consumption	
Max [W/h]	468
Typical [W/h]	W/W(EU) 193 US/KOR/Etc. 440 Etc: CHINA, TAIWAN, BRA, CIS
BTU(Max)	1,596
Sleep mode	Less than 0.5w
Off mode	Less than 0.5w
Dimension (mm)	
Set	1069 x 623 x 85
Mechanical Specifications	
Set Weight	40.5Kg
Mounting Hole	995 x 500 (Basic) 1000 x 400 (VESA Bracket Option)
Protection Glass	Yes (5T Tempered Glass)
Bezel Width (mm)	24.9 / 24.9 / 24.9 / 24.9 mm
Operation	
Recommended Usage Hours	24/7
Operating Temperature	-30°C ~ 50°C
Humidity	10% ~ 80%
IP Certificate	IP56
Media Player	
Media Player	MagicInfo Player S4, SSSP 4.0
Internal Player	
Processor	Cortex-A12 1.3GHz Quad Core CPU
Graphics	2D & 3D Graphics Engine - Up to 3840x2160p. 32bpp - Supports OpenGL ES
Operating System	Tizen 2.4 (VDLinux)
Storage (FDM)	8GB (3.75GB Occupied by O/S, 4.25GB Available,)
Clock Speed	1.3GHz CPU Quad
IO Ports	MagicInfo Player S4, SSSP 4.0

See Samsung website for 55", 75" and 85" display specifications.

SAMSUNG OHF MONOLITH TOTEM ENCLOSURE

Digital Drive-Thru Menu Display

Mount up to three Samsung displays with Armagard's all-new, Samsung OHF Monolith display totem enclosure system. Available for 46" and 55" Samsung OHF displays (custom 75" and 85" sizes available), choose from single, dual and triple frame designs for a stylish outdoor digital signage solution that's ideal for drive thru lanes, car parks and smart city applications.

Custom-made 55" multi-screen totem for QSR chain, USA.

With official design approval from Samsung Korea, the OHF display totem series is available in a monolith style, freestanding system. Designed with an IP56-rated lower compartment, the OHF totem series protects media players and additional electronic equipment from liquid and particle ingress and temperatures ranging from -30ºC ~ +50ºC (hardware dependent).

Two, single QSR totems, custom-made.

46" - 55"

LOW MAINTENANCE

Samsung OHF totems are simple to install and can be assembled on site by two people or crane lifted into position using eye bolts on top of the unit. Requiring very little maintenance, Samsung OHF screen enclosure systems are easy to manage, and an ideal way to position OHF displays for maximum exposure.

Enclosure only and full solution (2,500 NITS Samsung OHF screens supplied) options are available, plus a choice of custom colours for personalised branding. Enclosures come with a five-year guarantee, but can last up to 10 years, offering a long-term ROI.

Benefits

- Entice new and repeat customers.
- Potential 3-8% sales uptick.
- Scaleable.
- Improve service times and order accuracy.

ACCREDITATIONS & WARRANTY*

*Warranty extensions are for Armagard hardware and electrical components only. Samsung display warranty remains seperate.

ENVIRONMENTAL CONTROL

		STANDARD
		Fully Outdoor
All Sizes		46", 55" (75", 85")
Model code		S
Temperature range (hardware dependent)		-30°C ~ 50°C
IP/NEMA rating		IP56/NEMA4
Colour		Black (custom)
Interior mounting		✓
Filter fans		✓
Plenum chambers		✓
Insulation		✓
Controller board		✓

DISPLAY SPECIFICATIONS	
Panel	
Diagonal Size	46"
Resolution	1920*1080 (Full HD)
Pixel Pitch (mm)	0.53mm(H) x 0.53mm(V)
Active Display Area (mm)	1018.08(H) x 572.67(V)
Brightness (Typ.)	2500 nit
Contrast Ratio	5000:1
Viewing Angle (H/V)	178/178
Display Colours	8 bit - 16.7m
Color Gamut	72%
Haze	0%
Display	
Dynamic C/R	100,000:1
H-Scanning Frequency	108 ~ 139.5 kHZ
V-Scanning Frequency	96 ~ 123 Hz
Maximum Pixel Frequency	297MHz
Sound	
Speaker Type	N/A
Connectivity Input	
Video	HDMI 1.4 (2), HDBaseT (LAN Common)
HDCP	HDCP 2.2
USB	USB 2.0 x1
Connectivity Output	
Audio	Stereo Mini Jack
External Control	RS232C (In/Out), RJ45 (In/Out), HDBaseT
External Sensor	N/A
Tuner	N/A

DISPLAY SPECIFICATIONS CONTINUED	
Power	
Type	Internal
Power Supply	AC 100 - 240 V~ (+/- 10%), 50/60 Hz
Power Consumption	
Max [W/h]	468
Typical [W/h]	W/W(EU) 193 US/KOR/Etc. 440 Etc: CHINA, TAIWAN, BRA, CIS
BTU(Max)	1,596
Sleep mode	Less than 0.5w
Off mode	Less than 0.5w
Dimension (mm)	
Set	1069 x 623 x 85
Mechanical Specifications	
Set Weight	40.5Kg
Mounting Hole	995 x 500 (Basic) 1000 x 400 (VESA Bracket Option)
Protection Glass	Yes (5T Tempered Glass)
Bezel Width (mm)	24.9 / 24.9 / 24.9 / 24.9 mm
Operation	
Recommended Usage Hours	24/7
Operating Temperature	-30°C ~ 50°C
Humidity	10% ~ 80%
IP Certificate	IP56
Media Player	
Media Player	MagicInfo Player S4, SSSP 4.0
Internal Player	
Processor	Cortex-A12 1.3GHz Quad Core CPU
Graphics	2D & 3D Graphics Engine - Up to 3840x2160p, 32bpp - Supports OpenGL ES
Operating System	Tizen 2.4 (VDLinux)
Storage (FDM)	8GB (3.75GB Occupied by O/S, 4.25GB Available,)
Clock Speed	1.3GHz CPU Quad
IO Ports	MagicInfo Player S4, SSSP 4.0

See Samsung website for 55", 75" and 85" display specifications.

MONOLITH TOTEM ENCLOSURE

Free Standing Signage

The stylish, monolith totem enclosure is a new addition to the Armagard range, equipped with a host of features that improve performance and appearance. Available for 32", 42", 55", and 75" screen sizes, the monolith totem system is reliable, robust and low maintenance.

Engineered in a steel model (or an all glass front), the unit has a distinctively professional look. Meanwhile, the addition of gas struts to the upper compartment enables the enclosure to open vertically for easy accessibility, giving end users the freedom and flexibility to upgrade AV hardware quickly and with minimum disruption.

A highly versatile screen protection system, and available in all sizes as a double-sided variation, with the front accommodating a digital signage display, while the rear is for use as a backlit poster, or second digital signage display.

A 75", double-sided totem enclosure for a busy shopping mall, El Paso, Texas.

Available as an enclosure or a 'complete solution', this unit comes with the option to include a professional high bright open frame display, network media player, and lower customised 'back-lit' company logo.

32" - 85"

HIGH BRIGHT READY

A choice of NEC, Samsung, LG or Dynascan High Bright screens ranging from 2,000 to 3,000 NITS will keep your content visible even in continuous, direct sunlight. Furthermore, Armagard enclosures are compatible with a wide range of screen manufacturers, leaving you free to install most commercially available High Bright (VESA ready) screens. Present your message in stunning HD, delivering crisp, clear images that are visible from every angle.

Benefits

- Increase sales from outdoor digital signage.

- Freestanding signage for high-traffic areas.

- Minimises downtime and lost advert revenue.

- Increases display efficiency and lifespan.

ACCREDITATIONS & WARRANTY

ENVIRONMENTAL CONTROL

There's also Armagard's state-of-the-art controller board, which enables you to activate heating and cooling controls remotely (optional) to keep screens operating at peak performance. Additionally, if an overly high or low temperature is detected, the controller board will automatically switch-off the screen to prevent any damage from occurring. Meanwhile, the enclosure's viewing screen [glass only] can be coated with anti-glare or anti-reflective technology reducing reflections from 4% to less than 0.4%.

A 47" triple and two single monolith totems installation for a QSR chain.

		STANDARD	COLD CLIMATE	HOT CLIMATE
		Fully Outdoor	Fully Outdoor	Fully Outdoor
All Sizes		32", 42", 49", 55", 75", & 85		
Model code		S	H	AC
Temperature range		-5°C to 35°C	-30°C to 35°C	-30°C to 55°C
IP/NEMA rating		IP56/NEMA4	IP56/NEMA4	IP65/NEMA4X
Colour		Black	Black	Black
Interior mounting		✓	✓	✓
Dual security locks		✓	✓	✓
Filter fans		✓	✓	Static Fans
Anti-reflective window		4mm, Anti-Reflective Toughened Glass	4mm, Anti-Reflective Toughened Glass	4mm, Anti-Reflective Toughened Glass
Air curtain		✓	✓	✓
Plenum chambers		✓	✓	(sealed)
Internal heating		✓	✓	✓
Insulation			✓	✓
Controller board		✓	✓	✓
Air conditioning				✓ (white colour)

STANDARD TOTEM ENCLOSURE

Information Signage

Armagard's iconic standard totem enclosure is a freestanding design used to protect 32", 42", 47" and 49" screens used outdoors. Sealed to IP54/56/65 industry standard, this outdoor enclosure is highly versatile, making it suitable for a wide range of applications including retail, car parks, transport hubs and more.

A 47" standard totem enclosure for a German supermarket chain.

This state-of-the-art system provides cost-effective hardware protection for up to a decade, allowing you to swap, change or upgrade interior hardware quickly, unlike restrictive and expensive (all-in-one) outdoor systems.

A series of 47" 'standard' totem enclosures at an indoor car park.

32" - 49"
OUTDOOR READY

Create a complete solution... With a choice of NEC, Samsung, LG or Dynascan High Bright screens ranging from 2,000 to 3,000 NITS, get the ultimate outdoor advertising system that's sunlight readable. Furthermore, Armagard enclosures are compatible with a wide range of screen manufacturers, leaving you free to install most commercially available High Bright (VESA ready) screens. Display your content with crystal clear clarity, even in direct sunlight.

Benefits

- Increase sales from outdoor digital signage.
- Maximise advertising return on investment.
- Portrait display for text based communication.
- Minimises downtime and productivity loss.

ACCREDITATIONS & WARRANTY

IP56 OUTDOOR RATED | NEMA 4 | VESA | 1 to 5 YEAR ELECTRICAL WARRANTY | 5 YEAR MECHANICAL WARRANTY

ENVIRONMENTAL CONTROL

Environmental control features a range of interior components such as fans, heaters and insulation, which work together to maintain the most efficient operating temperature for your display, even in climates where extreme temperatures can vary annually from intense heat to sudden freezing (-30°C to +55°C).

There's also Armagard's state-of-the-art controller board, which enables you to activate heating and cooling controls remotely (optional) to keep screens operating at peak performance. Additionally, if an overly high or low temperature is detected, the controller board will automatically switch-off the screen to prevent any damage from occurring. Meanwhile, the enclosure's viewing screen [glass only] can be coated with anti-glare or anti-reflective technology reducing reflections from 4% to less than 0.4%.

An open, 47" totem enclosure.

		STANDARD	COLD CLIMATE	HOT CLIMATE
		Fully Outdoor	Fully Outdoor	Fully Outdoor
All Sizes		32", 42, 47" & 49"		
Model code		S	H	AC
Temperature range		-5°C to 35°C	-30°C to 35°C	-30°C to 55°C
IP/NEMA rating		IP56/NEMA4	IP56/NEMA4	IP65/NEMA4X
Colour		Black	Black	Black
Interior mounting		✓	✓	✓
Dual security locks		✓	✓	✓
Filter fans		✓	✓	Static Fans
Anti-reflective window		4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Toughened Glass	4mm, Anti-Reflective Toughened Glass
Air curtain		✓	✓	✓
Plenum chambers		✓	✓	(sealed)
Internal heating		✓	✓	✓
Insulation			✓	✓
Controller board		✓	✓	✓
Air conditioning				✓ (white colour)

PORTRAIT ENCLOSURE

Information Signage

Display content like a page from a book with the outdoor, portrait flat panel enclosure from Armagard. Perfect for those slimmer wall areas, engage customers outside of your establishment, and increase footfall and sales from promoted items.

Available from sizes 32" to 75", the portrait enclosure is manufactured from mild-steel, sealed to IP54/56/65, and will protect against heavy rain, dust, extreme temperatures, thrown objects, and electrical surges.

Three, 60" portrait enclosures at Stonehenge.

Portrait enclosures excel as information boards; making them ideal for a range of applications where text based advertising is often used, such as transport shelters, store fronts, and sports venues.

Ideal for customers who need to scan and read information quickly, a portrait enclosure is the perfect format for ensuring critical information is delivered without disruption.

Several 47" portrait enclosures for a Swedish cinema.

32" - 75"

OUTDOOR READY

Rugged, wall mounted and more cost-effective than buying a restrictive outdoor display, an Armagard enclosure can provide hardware protection for up to a decade, and allows you to upgrade interior hardware on your own terms.

Benefits

- Increase sales from outdoor digital signage.
- Maximise advertising return on investment.
- Portrait display for text based communication.
- Minimises downtime and productivity loss.

ACCREDITATIONS & WARRANTY

IP56 OUTDOOR RATED | NEMA 4 | VESA | 1 to 5 YEAR ELECTRICAL WARRANTY | 5 YEAR MECHANICAL WARRANTY

ENVIRONMENTAL CONTROL

Environmental control features a range of interior components such as fans, heaters and insulation, which work together to maintain the most efficient operating temperature for your display, even in climates where extreme temperatures can vary annually from intense heat to sudden freezing (-30°C to +55°C).

There's also Armagard's state-of-the-art controller board, which enables you to activate heating and cooling controls remotely (optional) to keep screens operating at peak performance. Additionally, if an overly high or low temperature is detected, the controller board will automatically switch-off the screen to prevent any damage from occurring. Meanwhile, the enclosure's viewing screen [glass only] can be coated with anti-glare or anti-reflective technology reducing reflections from 4% to less than 0.4%.

A 42" portrait enclosure for a transit authority.

		LITE	STANDARD	COLD CLIMATE	HOT CLIMATE
		Semi-outdoor	Fully Outdoor	Fully Outdoor	Fully Outdoor
All Sizes		32", 42", 47", 49", 52", 55", 60", 65", 70", 72", & 75"			
Model code		L	S	H	AC
Temperature range		0°C to 30°C	-5°C to 35°C	-30°C to 35°C	-30°C to 55°C
IP/NEMA rating		IP54/NEMA4	IP56/NEMA4	IP56/NEMA4	IP65/NEMA4X
Colour		Black	Black	Black	Black
Interior mounting		✓	✓	✓	✓
Dual security locks		✓	✓	✓	✓
Filter fans		✓	✓	✓	Static Fans
Anti-reflective window		4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Toughened Glass	4mm, Anti-Reflective Toughened Glass
Air curtain		✓	✓	✓	✓
Plenum chambers			✓	✓	(sealed)
Internal heating			✓	✓	✓
Insulation				✓	✓
Controller board			✓	✓	✓
Air conditioning					✓ (white colour)
Wall mounting (optional)		Flat or Tilt	Flat or Tilt	Flat or Tilt	Requires AC Brackets (flat)

STAINLESS LANDSCAPE ENCLOSURE

Washdown Signage

The stainless version of our LCD enclosure - the SDS unit - is manufactured from food grade (316) stainless steel, and provides additional protection benefits when compared with our standard powder coated model. Most notably, the unit is suitable for daily washdown cleaning and features enhanced corrosion resistance.

A 42" stainless landscape enclosure for a food processing environment.

Primarily designed to reduce the spread of bacteria in food manufacturing, medical environments and pharmaceutical labs. A stainless steel LCD enclosure is ideal for sensitive working environments that require messaging solutions, which don't compromise hygiene and cleanliness standards.

Capable of drawing attention from those nearby with its unique aesthetic design, the SDS enclosure is perfect for installations looking for something with a reliable performance, but also a distinctive design edge.

24" - 70"

MAINTAIN HYGIENIC CONDITIONS

Manufactured from food grade (316) stainless steel, and sealed to IP54/56/65. This stainless enclosure can be fully jet washed to eliminate daily build-ups of dirt and excess in food manufacturing. Enhancing corrosion resistance, and keeping your messages running, where other displays could not!

Benefits

- Stops the spread of harmful bacteria.
- Enables screen use in clean room environments.
- Improves workplace messaging and communications.

ACCREDITATIONS & WARRANTY

ENVIRONMENTAL CONTROL

Environmental Control features a range of interior components such as fans, heaters and insulation, which work together to maintain the most efficient operating temperature for your display, even in climates where extreme temperatures can vary annually from intense heat to sudden freezing (-30°C to +55°C).

There's also Armagard's state-of-the-art controller board which enables you to activate heating and cooling controls remotely (optional) to keep screens operating at peak performance. Additionally, if an overly high or low temperature is detected, the controller board will automatically switch-off the screen to prevent any damage from occurring. Meanwhile, the enclosure's viewing screen [glass only] can be coated with anti-glare or anti-reflective technology reducing reflections from 4% to less than 0.4%.

An open, 42" 'standard' stainless enclosure.

		LITE	STANDARD	COLD CLIMATE	HOT CLIMATE
		Semi-outdoor	Fully Outdoor	Fully Outdoor	Fully Outdoor
All Sizes		24", 32", 42", 47", 49", 52", 55", & 70"			
Model code		L	S	H	AC
Temperature range		0°C to 30°C	-5°C to 35°C	-30°C to 35°C	-30°C to 55°C
IP/NEMA rating		IP54/NEMA4	IP56/NEMA4	IP56/NEMA4	IP65/NEMA4X
Colour		Black	Black	Black	Black
Interior mounting		✓	✓	✓	✓
Dual security locks		✓	✓	✓	✓
Filter fans		✓	✓	✓	Static Fans
Anti-reflective window		4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Toughened Glass	4mm, Anti-Reflective Toughened Glass
Air curtain		✓	✓	✓	✓
Plenum chambers			✓	✓	(sealed)
Internal heating			✓	✓	✓
Insulation				✓	✓
Controller board			✓	✓	✓
Air conditioning					✓ (white colour)
Wall mounting (optional)		Flat or Tilt	Flat or Tilt	Flat or Tilt	Requires AC Brackets (flat)

TOUCHSCREEN ENCLOSURE

Hands-on Signage

Engage with prospects 24/7 with an Armagard touchscreen enclosure; great for displaying interactive advertisements, product information and guiding customers towards a purchase decision.

Using capacitive technology to generate an interactive touchscreen field, Armagard's PDS touchscreen solution is available as an optional upgrade across our entire enclosure range, in either a single or dual-touch format.

A 55" touchscreen portrait enclosure at Birmingham Grand Central station.

Applied behind 4mm thermally toughened anti-reflective glass. Touch-foils represent an ideal solution for outdoor interactivity when combined with the protection of an Armagard enclosure. Securing the foil against any damage during adverse weather conditions and any heavy handed operators.

A 42" touchscreen enclosure for a factory line.

32" - 86"

ENCLOSURE READY

In addition, touch-foils can be applied to the majority of our enclosures such as landscape, portrait and totem units, and all environmental models (L, S, H & AC), in sizes from 32" to 86".

Benefits

- Connect with your customers interactively.
- Entertaining, increasing customer engagement.
- Versatile. Use for advertising, wayfinding, or customer service.

ACCREDITATIONS & WARRANTY

TOUCH FOILS

Touch-foils work by outputting their capacitive touchscreen field (applied to the glass) via an attached USB cable, that's combined with a compatible USB enabled media player, or a slimline PC or MAC, and connected to a display of your choice. Compatible displays can be any commercially available (VESA ready) display (High Bright or not), and don't need to be touchscreen enabled.

Armagard touch-foils are available in standard sizes, from 32" up to 86", and in single or dual-touch packages. Larger sizes are also available, but as an enhanced option.

A 52" touchscreen enclosure.

Capacitive Foil	Single Touch	Dual-Touch
	32" 42" 47" 49" 52" 55" 60" 65" 70" 72" 84" & 86"	
	Cost is the same across landscape, portrait and totem models.	
Specification		
Window Type	Glass Only	
Software	Windows, MAC (beta only)	
Speed of Response	Typically 18-50ms	
Temperature Range	-10°C to 70°C	
Humidity	0% to 95%. Unaffected by Condensation	
Light Transmission	Typically better than 93%	
Output	RS-232C to 9 Pin D Female, USB to RS232 Adapter, USB 2.0 HID Male to Male Mini B	
Sensitivity	Useable with gloves	
Media Player		
	Slimline PC, MAC or Media Player with Computer Functionality	

CEILING MOUNTED ENCLOSURE

Hanging Digital Signage

Armagard's ceiling mounted, LCD enclosures provide screen protection, while delivering digital messaging from an entirely different perspective.

Widely used on petrol station forecourts, ceiling mounted enclosures are fully outdoor-ready, pole-suspended units that can be equipped with single or double mounting brackets.

Two, 42" ceiling mounted landscape enclosures installed at a train station.

Using external ceiling mounts, Armagard's enclosures can comfortably accommodate screens up to 75" - suspended from a ceiling - while providing protection against adverse weather conditions. Rest-assured that your digital messaging channel is safe and secure even when suspended from a ceiling.

Two, 42" ceiling mounted landscape enclosures installed in a waiting room.

19" - 75"

VERSATILE DIGITAL MESSAGING

With single and dual-mounting options available, ceiling mounted enclosures are highly versatile. Armagard's dual-pole, double-bracket system gives end users back to back display mounting options using any of our landscape, LCD enclosure designs. Ideal for use in industrial, hygienic or outdoor locations, you can deliver digital messaging in any setting.

Benefits

- Ceiling mounted signage for high-traffic areas.

- Advertise or display key information in prime locations, even without a supporting wall.

- Versatile. Use for advertising or for wayfinding.

ACCREDITATIONS & WARRANTY

ENVIRONMENTAL CONTROL

Environmental Control features a range of interior components such as fans, heaters and insulation, which work together to maintain the most efficient operating temperature for your display, even in climates where extreme temperatures can vary annually from intense heat to sudden freezing (-30°C to +55°C).

47" ceiling mounted landscape enclosure installed in forecourt.

There's also Armagard's state-of-the-art controller board, which enables you to activate heating and cooling controls remotely (optional) to keep screens operating at peak performance. Additionally, if an overly high or low temperature is detected, the controller board will automatically switch-off the screen to prevent any damage from occurring. Meanwhile, the enclosure's viewing screen [glass only] can be coated with anti-glare or anti-reflective technology reducing reflections from 4% to less than 0.4%.

|		LITE	STANDARD	COLD CLIMATE	HOT CLIMATE
		Semi-outdoor	Fully Outdoor	Fully Outdoor	Fully Outdoor
All Sizes		19", 24", 32", 42", 47", 49" 52", 55", 60", 65", 70", 72", & 75"			
Model code		L	S	H	AC
Temperature range		0°C to 30°C	-5°C to 35°C	-30°C to 35°C	-30°C to 55°C
IP/NEMA rating		IP54/NEMA4	IP56/NEMA4	IP56/NEMA4	IP65/NEMA4X
Colour		Black	Black	Black	Black
Interior mounting		✓	✓	✓	✓
Dual security locks		✓	✓	✓	✓
Filter fans		✓	✓	✓	Static Fans
Anti-reflective window		4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Polycarbonate	4mm, Anti-Reflective Toughened Glass	4mm, Anti-Reflective Toughened Glass
Air curtain		✓	✓	✓	✓
Plenum chambers			✓	✓	(sealed)
Internal heating			✓	✓	✓
Insulation				✓	✓
Controller board			✓	✓	✓
Air conditioning					✓ (white colour)
Wall mounting (optional)		Flat or Tilt	Flat or Tilt	Flat or Tilt	Requires AC Brackets (flat)

SAMSUNG OHF MOUNTS

Samsung Wall Mounting Brackets

Specifically designed for Samsung 46" and 55" OHF screens, Armagard's exclusive range of brackets offer a fast way to mount your Samsung displays on any flat wall, without compromising air-circulation and ventilation.

Manufactured using powder coated mild steel, finished in black, you can position Samsung OHF mounts in landscape or portrait orientation, offering you flexible installation options. A supportive backing prevents direct screen contact with walls, helping to avoid accidental damage to the rear of displays, while keeping screen vents clear.
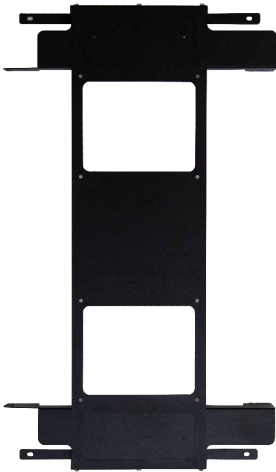
OH55F Portrait Wall Mount.
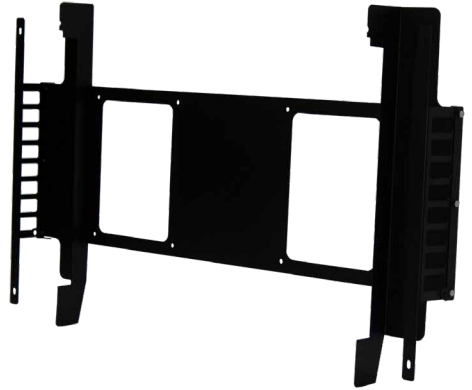
55" & 46"

HEAT REDUCTION

Designed to manage the direction of airflow intake and outtake, the OHF brackets stop the recirculation of hot air back into the display, maintaining a consistent temperature that helps to prevent screen overheating.

Armagard's Samsung OHF screen mounting brackets come with a five-year guarantee.

Benefits

- Adaptable to portrait or landscape orientations.
- Offers mounting versatility, turn a customer facing wall into an advertising display.
- Directional vents manage the intake and outtake of airflow, preventing recirculation of hot exhaust gas.

ACCREDITATIONS & WARRANTY

www.armagard.com

APPLICATION

These brackets are designed by Armagard's experienced in-house design engineers. If you require a specific schematic, please contact the account manager.

Directional air vents

Directional air vent

Directional air vent
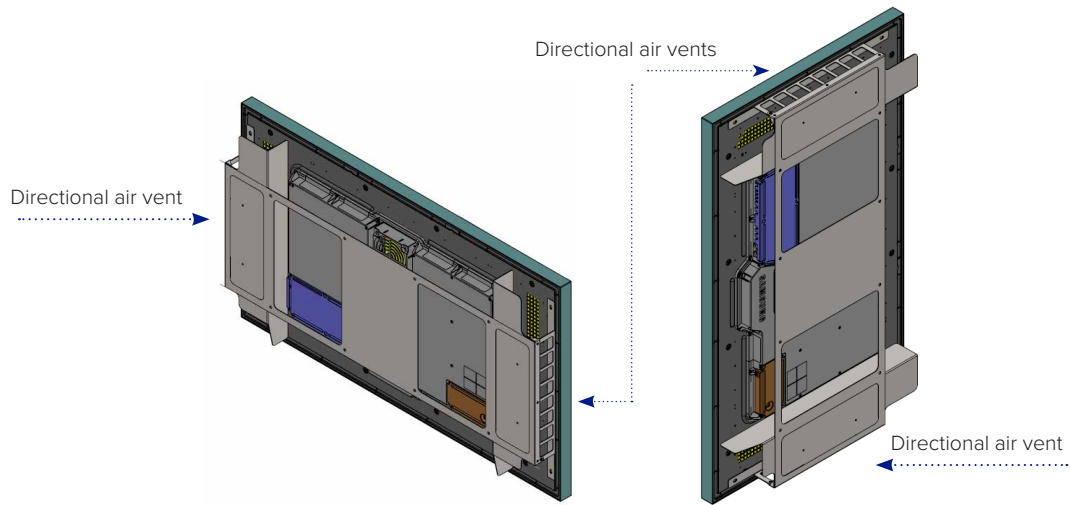
WALL MOUNT DIMENSIONS

WALL MOUNT	DISPLAY	HEIGHT	WIDTH	DEPTH	WEIGHT	PRODUCT CODE
	(in)	(mm)	(mm)	(mm)	(kg)	
OH46F	46"	611	1032	84	5	ACC-OHF46-BKT
OH55F	55"	676	1224	84	7	ACC-OHF55-BKT

RETAIL TOTEM

Indoor Signage

Increase sales on targeted products and ranges with the indoor Retail Totem from Armagard. Combining an HD advertising display with customer branded front and back display panels, the unit provides a versatile solution for point-of-sale advertising, and increasing in-store sales.

A 48" retail totem situated within a grocery store.

Designed to protect as well as display content, the retail totem features a fitted polycarbonate window (10x stronger than glass), which defends against physical impacts and airborne projectiles, safeguarding your equipment in case of an attack.

A 48" retail totem used within a motorway services station.

24" - 65"
BRANDING PANELS

Light and mobile, the Retail Totem can easily be relocated and rebranded with different front and back panels, making it great for selling advertising space or creating targeted campaigns that promote specific ranges throughout the year.

Benefits

- Increase point-of-sale purchasing.

- Boost dwelling time and product awareness.

- Easy to set up retail digital signage.

Features	Base	Printed	Media ready
	Indoor	Indoor	Indoor
All Sizes	24",32",42",46",47", 49", 55" & 65"		
Model code	B	P	MR
Window type	Polycarbonate		
Plain boards	✓		
Printed boards		✓	✓
LCD Screen			✓
Media player			✓

ACCREDITATIONS & WARRANTY

www.armagard.com

CUSTOM KIOSK SOLUTIONS FOR SCREEN SIZES FROM 10" UP TO 85"

Indoor Signage

An example of a supplied Kiosk enclosure solution from Armagard, the check in and badge printer solution for indoor locations, ideal for visitor entrances, waiting rooms, hotel lobbies and more. It's designed for the 3rd generation iPad pro with 12.9" screen, and the Brother QL-810W label printer, but is available for any likewise technology, pending customer requirements.

Highly secure and stylish, the kiosk enclosure brings tablet technology to key locations, improving customer engagement and operational efficiency across your business. Equipped with three security mechanisms, the integrated tablet is locked in place, reducing the risk of theft.

10" - 85"

DEVICES

The high-speed printer will feed labels through an optimised opening, reducing the risk of potential jamming, and preventing tampering to the device itself.

Furthemore, devices are installed via removable rear panels, secured either behind a key locked compartment, or bolted down shut for security. In addition, the kiosk enclosure is available as a floor standing or desktop solution, and can be mounted in these positions.

Benefits of a Custom Designed Kiosk, to Meet Your Exact Requirements:

- Secure, relocatable, check-in station digital signage.

- Automated check-in points that free up human resources.

- iPad and high speed laser printing technology that keeps queues short.

12.9" floorstanding kiosk enclosure in white.

ACCREDITATIONS & WARRANTY

5 YEAR MECHANICAL WARRANTY **1 YEAR ELECTRICAL WARRANTY**

OPEN FRAME DISPLAYS

Armagard's sunlight readable, open frame LCD screens are powerful, LED backlit displays with an output ranging from 1,500 ~ 5,000 NITS. Producing incredibly sharp picture quality, high colour saturation and crisp, clear text, the displays bring screen content to life, vibrantly.

The open frame displays have intuitive, auto-dimming technology, which adjusts the screen brightness according to the presence of light. In bright sunlight, light sensors activate the auto-dimming technology, increasing screen brightness, while in low light, brightness levels are reduced to maximise display visibility, day and night.
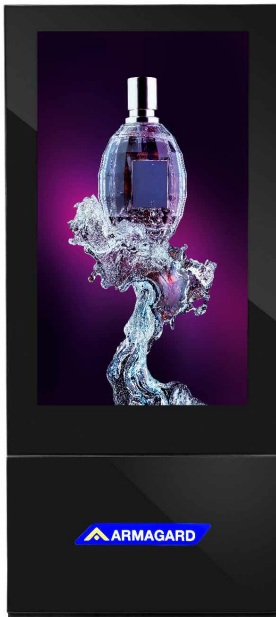
55" monolith totem with the open frame display in portrait orientation.

23.8" - 86"
OUTDOOR APPLICATION

Sizes include a 23.8" model at 1,500 NITS, 32", 43" and 49" at 3,000 NITS and 55", 75" and 86" at 2,500 or 5,000 NITS. A slim bezel design ensures a large screen area, while LED backlight technology delivers high reliability and low power consumption.

The ultimate high brightness display, Armagard open frame LCD screens are a popular outdoor digital signage application – when combined with an Armagard screen enclosure - widely used for outdoor digital signage, smart city signage, kiosks and shop windows.

Available as a display only option or a full solution, open frame displays are compatible with Armagard's landscape, portrait and totem enclosures.

Benefits

- LED Backlight.
- High Colour Saturation.
- Slim Bezel Design.

ACCREDITATIONS & WARRANTY

CUSTOM ENCLOSURE

Custom Signage

Since 1991, Armagard has worked with customers to develop sound, customised solutions for unique and highly specialised hardware applications. With more than 25 years of experience, we have successfully completed hundreds of custom projects, with a portfolio spanning multiple markets including retail, transport, manufacturing and more.

A custom enclosure for Primark headquarters, United Kingdom.

Our USP is the ability to develop customer relationships, building trust to ensure that the end result meets the brief, while delivering a high quality finished product. With dedicated design engineers onsite, we manage every project in-house. We agree lead times and deadlines with each customer, working to ensure every product is delivered on time.

For added peace of mind, we carry out quality assurance checks during the build process. Products are water, freezer and airflow tested, while electrical testing is also carried out to ensure components function correctly and in accordance with safety standards.

A double, 19" enclosure for a railway line.

BESPOKE SOLUTIONS

As part of our customisation service, we can develop units to suit very specific technical specifications, including products that are suitable for chemical and temperature management issues.

Bespoke solutions often involve varying levels of engineering work, but we do receive regular requests for colour changes – to match branding or to blend in with surroundings. We can also adjust structural shaping and customise components.

ACCREDITATIONS & WARRANTY

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