



DELIVERING **SAFER** WORKPLACES



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OTHER WSS PRODUCT BRANDS



Physical Segregation Solutions

Explore a new level of protection for your facility – robust, efficient, and tailored to meet your unique needs. Upgrade your barriers and fortify your commitment to a secure workplace environment.



Enhanced Floor Markings

High-quality and resistant floor paint, floor coating solutions and line marking paint. Specifically developed to be suitable for areas of high traffic, versatile in application methods and easy to use.



Specialised Surface Repair

Save time and resources with our established range of facility floor repair solutions. From concrete repair and asphalt repair to surface crack repair or planned and reactive maintenance.



CONTENTS

VISUAL SAFETY TECHNOLOGIES OVERVIEW	03
VISUAL SAFETY TECHNOLOGY SOLUTIONS	05
SOLUTIONS: PEDESTRIAN SAFETY	07
SOLUTIONS: MHE/FLT SAFETY	09
SOLUTIONS: DOOR SAFETY	11
SOLUTIONS: CORPORATE SAFETY	13
SOLUTIONS: GENERAL SAFETY MESSAGE	14
ACTIVE SAFETY: SENSORS	15
PROJECTORS: 3 KEY POINTS	17
DIGITAL TWIN SAFETY SITE SURVEYS: WHY USE A DIGITAL TWIN?	18

VISUAL SAFETY TECHNOLOGIES OVERVIEW

INTRODUCTION:

Ensuring workplace safety is essential for protecting employee health, maintaining productivity, and complying with regulations. One highly effective way to enhance workplace safety is through the use of visual safety solutions. Traditional methods, such as painted markings and signs, often wear out or are overlooked over time. However, Quasar visual safety technologies revolutionize this approach by making safety markings and signs dynamic and enduring. These innovative solutions deliver real-time safety messages and remain vividly visible year after year, ensuring continuous and effective communication of safety protocols.



CHALLENGES:

We work with many customers in manufacturing and distribution. They have found projected markings to be an excellent alternative to traditional line markings as they can be immediately trafficked, they always remain bright and clear regardless of floor condition and never wear out.

In addition to this they are fully relocatable as many of our customers find that in their dynamic environment needs and requirements for low markings regularly change meaning that traditional markings become redundant and are difficult to remove whereas projected markings can easily be relocated and repurposed.

An additional aspect is the use of projected markings to provide a measure of interactivity; this is extremely powerful when you wish to highlight specific risks or control and manage pedestrian and vehicle flow.

Typical examples are walkways that are lit when they are safe to use but switch off when any vehicle traffic is approaching to highlight to pedestrians that the route is not currently safe to cross; this can be supplemented by warning signs that light up when vehicles approach to alert both pedestrians and vehicles of the presence of each other in the danger zone.



VISUAL SAFETY TECHNOLOGIES OVERVIEW

HEALTH AND SAFETY COMPLIANCE:

Ensuring compliance with health and safety regulations remains a critical challenge. This includes maintaining safe working environments, especially adhering to strict health and safety standards to prevent workplace accidents and illnesses.



TECHNOLOGICAL INTEGRATION AND AUTOMATION:

The adoption of new technologies and automation is essential for improving efficiency and competitiveness. However, integrating these technologies poses challenges, including high upfront costs, potential disruptions during implementation, and the need for employee training to effectively use new systems and equipment.



ENVIRONMENTAL SUSTAINABILITY AND REGULATORY COMPLIANCE:

There is increasing pressure on manufacturers and distributors to adopt environmentally sustainable practices. This includes reducing carbon footprints, managing waste, and complying with stringent environmental regulations. Companies must invest in sustainable technologies and practices while balancing economic feasibility and regulatory compliance.



VISUAL SAFETY TECHNOLOGY SOLUTIONS

ACTIVE APPROACH

- Active alert improves engagement with safety measures



SYSTEMS THAT DON'T WEAR OUT

- Making things last longer is a more sustainable approach, no repeat work and extra product typically solvent based in most cases



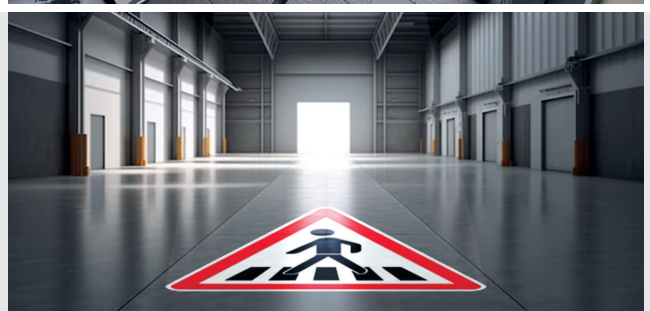
STANDARDISE SIGNAGE

- Clear signage standardised to your company safety manual
- Integrate and automate
- Build into your workplace to alert or warn using various triggers



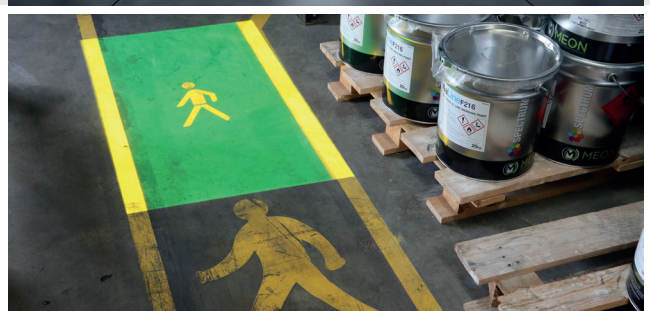
CLARITY

- Bright signage continuously gives clarity and improved safety



TRANSFERABLE TECHNOLOGY

- Maintain the ability to move solutions rather than erase then reapply





VISUAL SAFETY TECHNOLOGY SOLUTIONS

SPECIFIC SOLUTION GROUPS

- Pedestrian safety solutions
- Mechanical handling equipment warning systems
- Door safety
- General safety signage and messaging
- Corporate



OUR SOLUTIONS

We offer a comprehensive array of solutions, including industrial safety barriers, projected marking systems, floor paint and concrete floor repair. Our exclusive product line addresses all aspects of visual and physical health & safety throughout your workplace and facility.

Working together with an approach that suits your needs enables us to help address your safety concerns and protect your most precious assets.

SOLUTIONS: PEDESTRIAN SAFETY

INTRODUCTION

This solution offers a proactive and effective solution to keep pedestrians safe in environments with heavy vehicle traffic. The ability to use projected marking systems in order to provide immediate, clear warnings makes them an indispensable tool for ensuring pedestrian safety and preventing accidents.

This innovative approach not only enhances visibility but also actively engages pedestrians, reducing the risk of accidents and sign blindness. By projecting crossing systems and walkways and implementing automation it allows you to enhance the innovation and engagement with pedestrians, whilst still keeping pedestrians safe in the areas of high risk. Low maintenance and long lasting, durable projected markings are the perfect fit for areas of blind spots or high traffic.

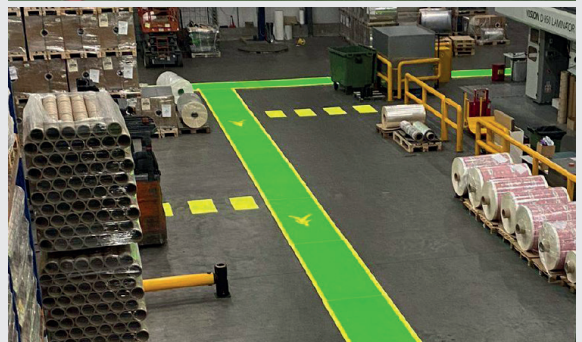
BENEFITS

- Brings Safety To Life
- Reduces Sign Blindness
- Dynamic real-time alerts
- Increased Pedestrian Engagement
- Adaptability and Integration
- Reducing potential accidents & injuries



SCENARIOS

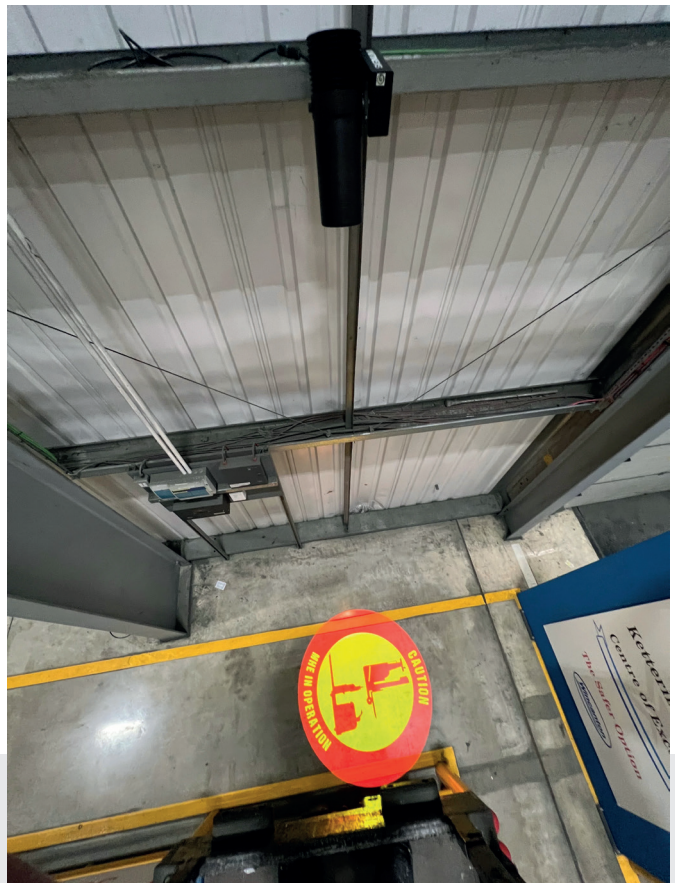
1. Projected Markings integrated with sensors to detect pedestrians crossing a roadway. When a pedestrian is detected a Crossing and Stop signs either side appears telling any oncoming vehicles to stop and making them aware of the crossing pedestrian and ensuring their safety.
2. Clear bright yellow and green walkways using projected markings, so that pedestrians have a clear segregated walkway to keep them safe from vehicle traffic.



CASE STUDY: PROJECTION MARKINGS INSTALLED TO INCREASE PERSONNEL SAFETY AWARENESS

"Safety doesn't happen by accident and in my opinion, you have to work at keeping it fresh to avoid complacency. I'm loving our new flash up signs in my Wincanton for Sainsburys, Argos site here in Kettering."

Dale Gregory - Wincanton



Signum 75W LED Gobo Projector With 56 - 140mm Lens

The Signum Projected Markings Projector takes safety to a whole new level for warehouses and facilities of all sizes. Forget traditional signage that can be overlooked or damaged. Now, create a safer environment effortlessly by projecting safety signs, caution symbols, and directional markers onto the floor, which are impossible to miss.

Bespoke Gobo



SOLUTIONS: MHE/FLT SAFETY

INTRODUCTION

This solution enhances safety and efficiency in high-traffic areas where mobile handling equipment (MHE) and pedestrians interact. Projected markings improve visibility and awareness for pedestrian and forklift movement, with increased flexibility to adjust layouts within the site when required.

These durable markings remain intact under forklift traffic, ensuring clear, crisp markings for all parties. By implementing these markings, it provides more scenarios allowing for additional control measures to mitigate risks, prioritize safety and facilitate right-of-way decisions. This solution also allows for automation using the integration of tags and sensors to enhance the awareness among workers, promoting safer operational practices.

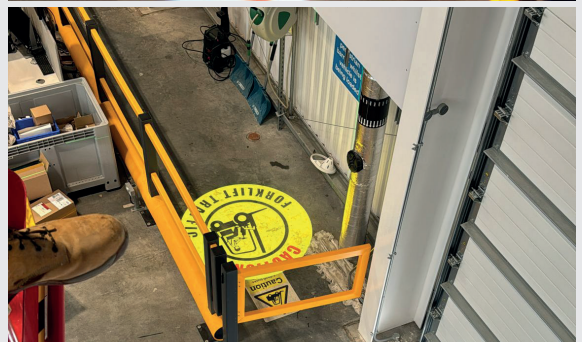
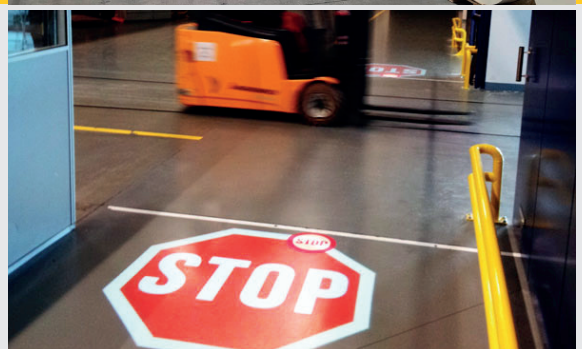
BENEFITS

- Durable
- Adaptable to the client's situation
- Innovative to different solutions
- Can be enhanced using automation
- Long Lasting



SCENARIOS

1. A static crossing between two safe walkways that goes across an MHE route. Crossing is static.
2. A painted crossing with two stop signs either side. A pedestrian approaches the crossing and the stop sign flashes on either side of the crossing triggered by a sensor to warn forklifts that they must stop as pedestrians are crossing.
3. A blind corner with a pedestrian walkway going around the corner and FLT route alongside. An image is projected, which is triggered by a tag attached to the forklift which lights up a warning sign on the pedestrian walking, warning them that an FLT is around the corner, so they need to take caution.



CASE STUDY: FACILITY BLIND SPOT TRANSFORMED BY SMART AUTOMATED PROJECTION SAFETY MARKINGS

"The clear and bright markings benefit from a huge increase in durability compared to traditional markings, as well as enhancing safety greatly and reducing the risk of incidents and sign blindness."

William Grant & Sons

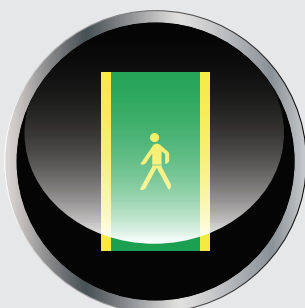


WILLIAM GRANT & SONS



Signum 50W LED Gobo Projector with 56-140mm Lens

The Signum Projected Markings Projector takes safety to a whole new level for warehouses and facilities of all sizes. Forget traditional signage that can be overlooked or damaged. Now, create a safer environment effortlessly by projecting safety signs, caution symbols, and directional markers onto the floor, which are impossible to miss.



11S1182-2C - Standard 2-Colour Design: Pedestrian Walkway (Green) with Edging & Walking Man Symbol (Yellow)



11S1089-1C: Projector Gobo - Standard 1-Colour Design: Roundel with "WARNING FORKLIFT TRAFFIC" & Forklift Symbol (Yellow)

SOLUTIONS: DOOR SAFETY

INTRODUCTION

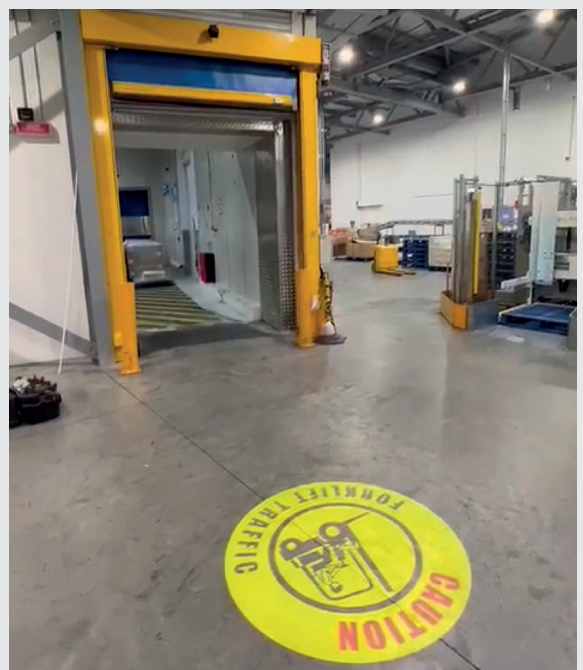
With the use of on/off electrical contractors such as magnetic sensors, we can integrate our projected markings with rapid doors and normal doors to increase safety in these areas. For example, when a door is open, the projected marking appears on the ground, alerting pedestrians and drivers.

BENEFITS

- **Enhanced Safety:** Pedestrians are made aware of oncoming traffic, significantly reducing the risk of accidents.
- **Durability:** Unlike traditional floor markings that wear out quickly under heavy traffic, projected markings offer extreme durability as they are not subject to physical wear and tear.
- **Reduced Sign Blindness:** Regularly changing projected markings prevent sign blindness, ensuring that the warnings are always noticed.
- **Dynamic Warning System:** The markings adapt to real-time conditions, such as changing from a crossing to a stop sign, providing situational awareness.

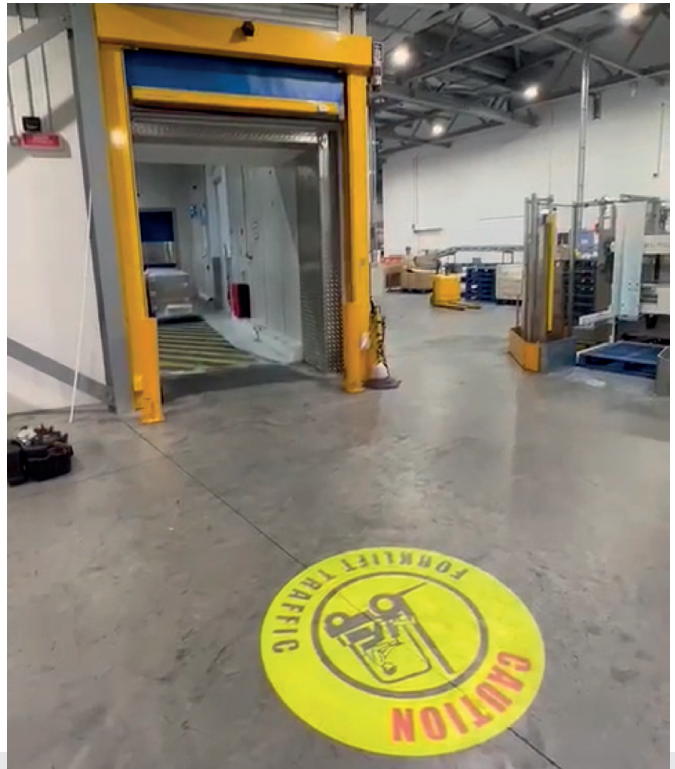
SCENARIOS

1. **Dynamic Crossing and Stop Sign:** A crossing is projected at all times in front of a rapid door to indicate a clear pedestrian route. As a forklift approaches from the other side and the rapid door opens, the crossing disappears and a stop sign appears, alerting the forklift driver to stop.
2. **Pedestrian Warning on Forklift Roadway:** When a pedestrian opens a door to enter a warehouse area, a projected marking appears on the forklift roadway, warning forklift drivers of the pedestrian's presence, thereby preventing potential collisions.
3. **Forklift Presence Alerts:** As a forklift enters a new area of the warehouse and the rapid door opens, projected markings appear throughout the area, warning pedestrians and factory floor workers of the forklift's presence, enhancing overall workplace safety.



CASE STUDY: COMPREHENSIVE PHYSICAL AND VISUAL SAFETY IMPROVEMENT PROJECT

"From design to installation, it was a smooth process working with the WSS Team. With a busy working environment, the Team were able to prioritise and work efficiently, within the 5 day working week - 24 hours a day. I look forward to what we develop next." **KERRY**

Signum 50W LED Gobo Projector With 90mm Len

The Signum Projected Markings Projector takes safety to a whole new level for warehouses and facilities of all sizes. Forget traditional signage that can be overlooked or damaged. Now, create a safer environment effortlessly by projecting safety signs, caution symbols, and directional markers onto the floor, which are impossible to miss.



11S1090-2C - Standard 2-Colour Design:
Roundel with "CAUTION FORKLIFT
TRAFFIC" & Forklift Symbol (Red & Yellow)

SOLUTIONS: CORPORATE SAFETY

INTRODUCTION

This solution is our bespoke gobo image service which we provide. This allows the client to fully customise their own safety sign for their specific requirements. It allows for any colors except black to be placed on a gobo for their chosen image design to be projected, whether it be a company logo or several safety logos on one sign it's entirely bespoke to our clients requirements.

This solution allows the client to explore more avenues within their health and safety and provide safer environments for their staff whilst still maintaining a creative and professional outlook. The solution is bright and durable with no wear and easily adaptable, providing great value to your health and safety system.

BENEFITS

- No wear
- Totally custom to the client
- Long lasting
- Adaptable/Easily changeable
- Consistently Bright



SCENARIOS

1. A static welcome sign projected in the entrance to a warehouse fully custom to the site with values relating to the client.
2. A static round safety sign emphasising the need for safety clothing and taking caution when on site.
3. A custom sign saying Forklift drivers please dismount, projected in a pedestrian zone, triggered by a PIR sensor, when the forklift approaches the area the sign lights up.



SOLUTIONS: GENERAL SAFETY MESSAGE

INTRODUCTION

These are standard safety signs which can be placed within projectors. The general safety messages come as a standard size and standard colors as seen in the images. These are the perfect solution for replacing any existing stickers or signs around a manufacturing or distribution site, as they are bright, effective and cost efficient in the long run.

These safety messages are designed to meet the highest safety standards, with the designs varying from walkways, crossings to circular signs. Their simplistic design and fitting allows them to be easily changed subject to the client's desire. The perfect solution for anyone looking for standard safety signs that last.

BENEFITS

- Zero wear
- Consistently bright
- Meet the safety standards
- Over 100 different designs
- Long lasting

SCENARIOS

1. Black and white pedestrian crossing, projected across a main forklift route. Static crossing so remains on at all times.
2. Caution forklift sign, projected in a walkway route in a doorway to warn pedestrians that this is a forklift zone, this is triggered by a contact switch which illuminates the sign when the contact switch is forced apart from the door being opened by a pedestrian.
3. Stop sign, projected either side of a crossing to warn the forklifts of pedestrians crossing. This is triggered by 2 motion sensors either side of the crossing, which detect pedestrian movement so when they approach the crossings the signs light up and warn any forklift drivers that they need to stop as a pedestrian is crossing.



ACTIVE SAFETY: SENSORS

MOTION SENSOR:

A motion sensor is an electronic device designed to detect and measure movement within a specified area. It works by sensing changes in an environment that indicate motion, such as shifts in infrared radiation, disruptions in ultrasonic waves, or variations in a microwave signal. When motion is detected, the sensor triggers an action in this case turning on lights.



RADAR SENSOR:

A radar sensor is an electronic device that uses radio waves to detect and determine the range, angle, and velocity of objects. This enables it to determine between vehicles and pedestrians and triggers the projectors to switch on and off accordingly.



CONTACT SWITCH:

A contact switch is a type of electrical switch that operates by making or breaking a physical connection between two or more conductive contacts to complete or interrupt an electrical circuit. This can be used to trigger projectors around doors or gates.



MANUAL SWITCH:

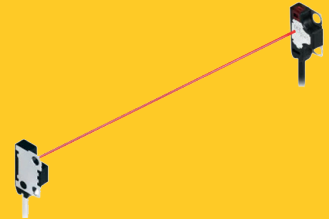
A manual switch is a type of electrical switch that is operated by a person to open or close an electrical circuit. This physical movement involves some form of mechanical movement, such as pressing, flipping, or turning. This can be used to trigger projectors where automation isn't required.



ACTIVE SAFETY: SENSORS

BEAM SENSOR:

A beam sensor is a type of sensor that uses a beam of light (usually infrared or laser) to detect the presence or absence of objects in its path. It consists of an emitter, which sends out the beam, and a receiver, which detects the beam. When an object interrupts the beam, the sensor detects this interruption and triggers a response. In this case it can be used within doorways or along pedestrian or FLT routes.



ACTIVE SAFETY:

Active safety is the use of advanced technology to actively prevent collisions and potential hazards with quick effect. This allows for real time protection when travelling around the warehouse utilising AI and various sensors to detect hazards and trigger safety measures to eliminate or reduce the risk of the hazard.

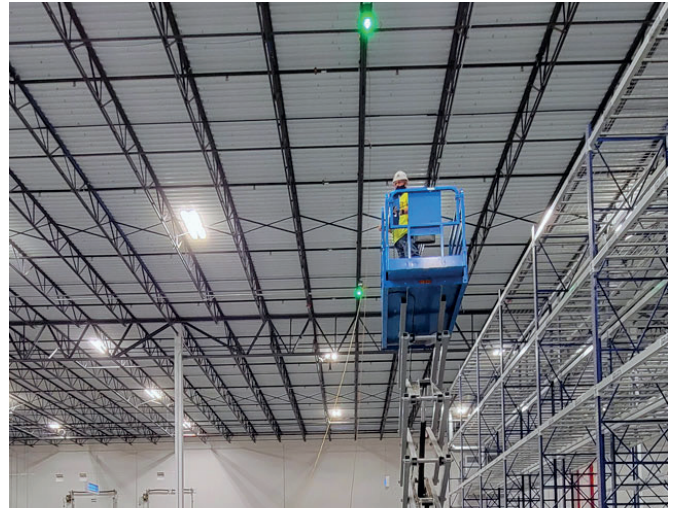


**SCAN TO FIND
OUT MORE...**

PROJECTORS: 3 KEY POINTS

MOUNTING HEIGHT:

It's important to understand the installation height, because this will vary what projector is needed and what image size the client will be getting. The measurement is from floor to ceiling in (m) and if the client can suspend it down then the minimum height is also useful in (m). If you can't suspend it directly overhead there is the option to offset, it off the wall. The measurements we would need for this would be the distance from the floor to the installation of the projector vertically and the distance from the wall to the center of the image being projected onto the floor.



LUX LEVELS:

It's important to understand the existing light levels of the area where the client's projection needs to go. This can be acquired either using a lux meter or the app lux light meter pro. This needs to be placed on the floor where the client's projection is going. The biggest contributor to light levels is daylight, in areas of external doorways or a good number of rooflights its key to measure this is daylight hours in order to get a very clear reading what the maximum light levels are.

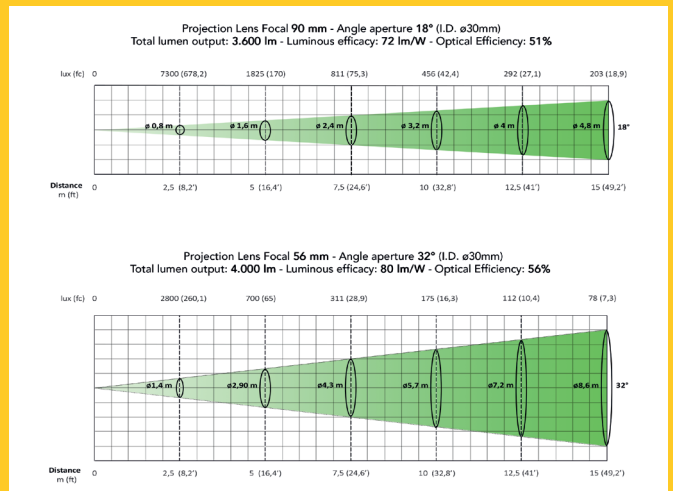


IMAGE SIZE & COLOUR:

Here it's important to understand how many colours are in the image. This could be 1 colour, 2 colour, 3 colour, full colour, it's totally custom for the client. It's important to note however that black is not a colour. We also need to obtain the image size, the measurements we would need for this is the length, depth, diameter in either cm/m in order for us to work out a preferred image size in order for us to try and meet the client's requirements.



DIGITAL TWIN SAFETY SITE SURVEYS: WHY USE A DIGITAL TWIN?

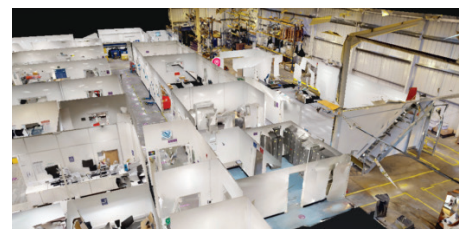
BRONZE SERVICE LEVEL

Our service is designed for a single location of up to 30 square metres and is active for a limited period, making it ideal for specific sites where focused attention is required. This targeted approach ensures that we can deliver optimal results tailored to the unique needs of each location, providing an efficient solution for your project requirements.



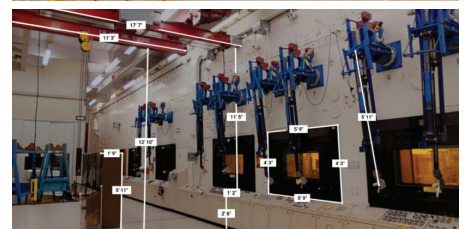
SILVER SERVICE LEVEL

Our One-Off 360-Degree Site Transport Report offers a comprehensive analysis of your site. This service includes a site visit to scan the entire area, resulting in a detailed transport report. You'll receive a full 360-degree walkthrough, with recommendations illustrated within the tour for easy understanding. Additionally, there is an option to experience the walkthrough with virtual reality, providing an immersive exploration of the site. Access to the 360-degree tour is available for an agreed period, ensuring you have ample time to review and utilise the insights provided.



GOLD SERVICE LEVEL

Our 12-month Subscription and Access package offers a comprehensive, long-term solution for your site management needs. It begins with a thorough site visit to scan the entire area, resulting in a detailed site transport report. You'll benefit from a full 360-degree walkthrough, complete with recommendations illustrated directly within the tour for easy comprehension. For an even more immersive experience, we offer the option to explore the site using virtual reality. This subscription grants you access to the 360-degree view for a full year, and includes a generous allowance of 10 hours of edits per month, ensuring your digital twin remains up-to-date and relevant throughout the subscription period.



PLATINUM SERVICE LEVEL

Our Full Estate Contract is designed to cater to multiple sites, making it an ideal solution for organisations with diverse locations. This bespoke package offers tailored services that meet the unique needs of each site, ensuring comprehensive support and management across your entire estate.



COMPREHENSIVE **ALL-IN-ONE** SOLUTIONS AND **SITE-SPECIFIC** RECOMMENDATIONS

SERVICE **POINTS**

Geographical Coverage:

We cover the whole of the UK and Ireland.

Head Office:

Portsmouth UK

Ireland Office:

Warrenpoint, IRE

Install/Supply Only:

We provide options for either supply and install or supply only. This enables us to meet demand and fulfill the expectations of differing clients depending on their needs.

Demonstrations:

We offer demonstrations to clients who like to see the products firsthand, this could be on our site, or we can bring our demo kit to their site, enabling them to witness the products in their own environment.

Delivery Times:

This is part of our passion to deliver on time and meet the short time scale that our clients demand. We offer a quality delivery service, which is fast and to schedule.



START YOUR JOURNEY WITH US TODAY...

- Make an enquiry
- Book a meeting
- Chat to us



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