

FHOSS®
SEE THE LIGHT

E-PARTS 

RISK MITIGATION
THROUGH ILLUMINATION

AGGREGATE & QUARRYING
SAFETY INNOVATIONS

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Introduction

At FHOSS, we specialise in providing the cutting edge of safety innovation for the heavy industries. We have built a respectable base of forward thinking market leaders that are passionate about pushing the envelope of safety in the contemporary world of work, across aggregates, construction, demolition, aviation and logistics;

About Us

Inspired by the saying 'where there's light, there's life', here at FHOSS we produce a range of innovative, high performance, illuminated safety products for numerous industries and applications.

We are a British-based company providing next-generation Personal Protection Equipment (PPE) and vehicle mounted safety systems designed to improve worker visibility, reduce accidents and make working environments safer.

Our range of systems are designed with workers in mind across the construction, aggregates/quarrying, and logistics industries, where visibility is key. The concept of zero harm works off the idea that every employee, contractor, and visitor who enters a work site should be able to rely on an intact and safe working environment every single day.

Our Purpose

To work with forward thinking leaders to help prevent death and injury, within high-risk People-Plant-Vehicle interfaces.



FHOSS ILLUMINATED
SAFETY WALKWAYS

Ensuring site-wide peace
of mind around crossings,
all day, every day.



Designed with your workforce in mind, our patent-pending Illuminated Safety Walkway system allows us to bridge the gap between people and plant.

Communication between the two has been a challenge on-site until now, through the simple use of visual messaging, your workers and site visitors can traverse with confidence and peace of mind.

We all know the consequences of accidents on site, mitigate risks in the people-plant interface – no matter the weather, with FHOSS Illuminated Safety Walkways. Be safe, be seen.

Key Benefits:

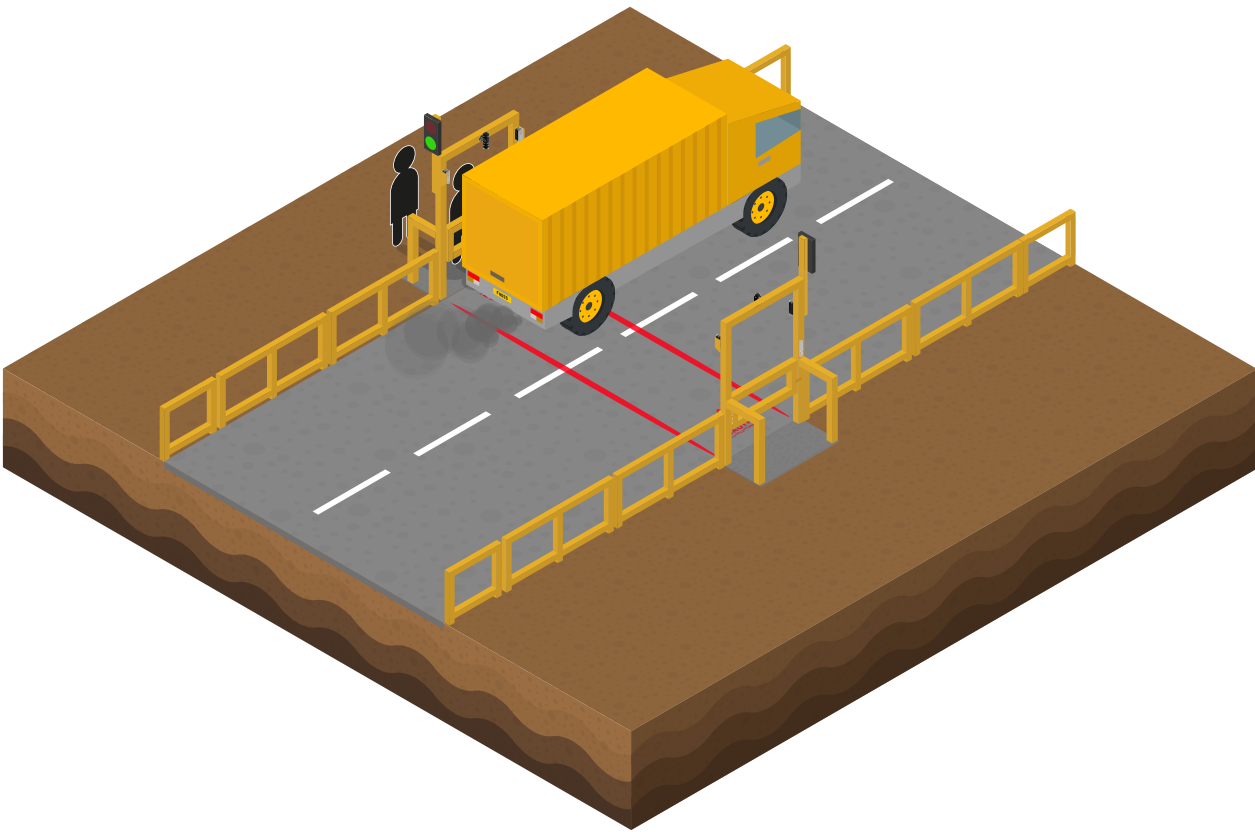
- Easily identify crossing points
- Allow pedestrians to traverse with ease
- Ensure site-wide peace of mind around crossings
- Day and night solution
- Zero downtime on installation
- Traffic control for both pedestrian & driver
- Mag-lock (optional) ensuring correct usage
- Segregates people from heavy plant
- Projected onto top layer of surface, no markings
- See and be seen



Standby

The system will simultaneously convey the opposite message to any oncoming drivers. Letting them know that the crossing is in use.

Each side of the system is wireless, therefore no trenches need to be dug up to install the system, meaning no down time for your site.

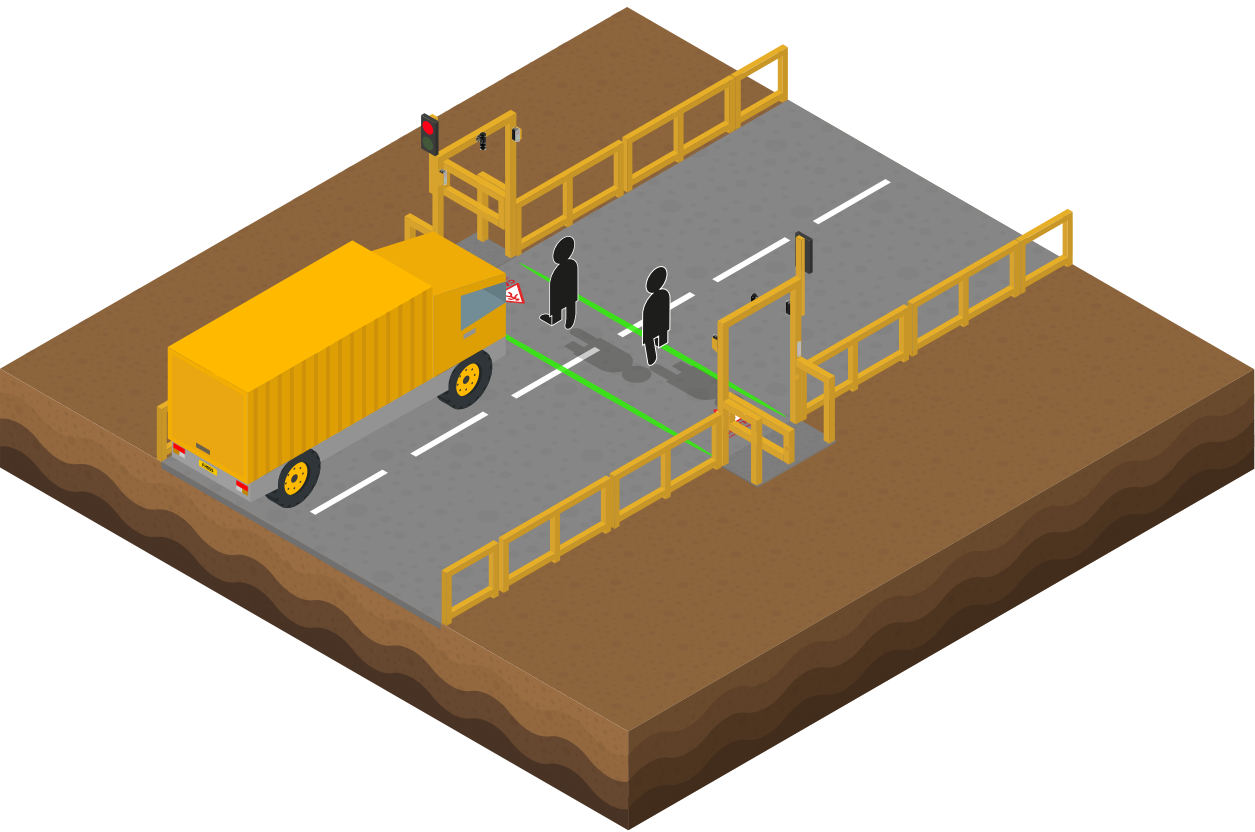


Walkway HALO Lights:	Red	Unsafe to cross.
Traffic Light:	Green	Proceed when safe to do so.
Siren:	Inactive	Signals to pedestrian that it is unsafe to cross.

In Use

The FHOSS Illuminated Safety Walkway system is hard wired into its environment and allows workers and patrons to clearly identify exclusion zones in a variety of colours.

Once the system is installed, focused beams of light will signify not only the crossing zone for workers but also when said crossing zone is safe to use.



Walkway HALO Lights:	Green	Safe to cross.
Traffic Light:	Red	Unsafe to proceed.
Siren:	Active	Signals to pedestrian that it is safe to cross.



Using Visual Messaging
to Keep People, Vehicles
and Plant Separated.



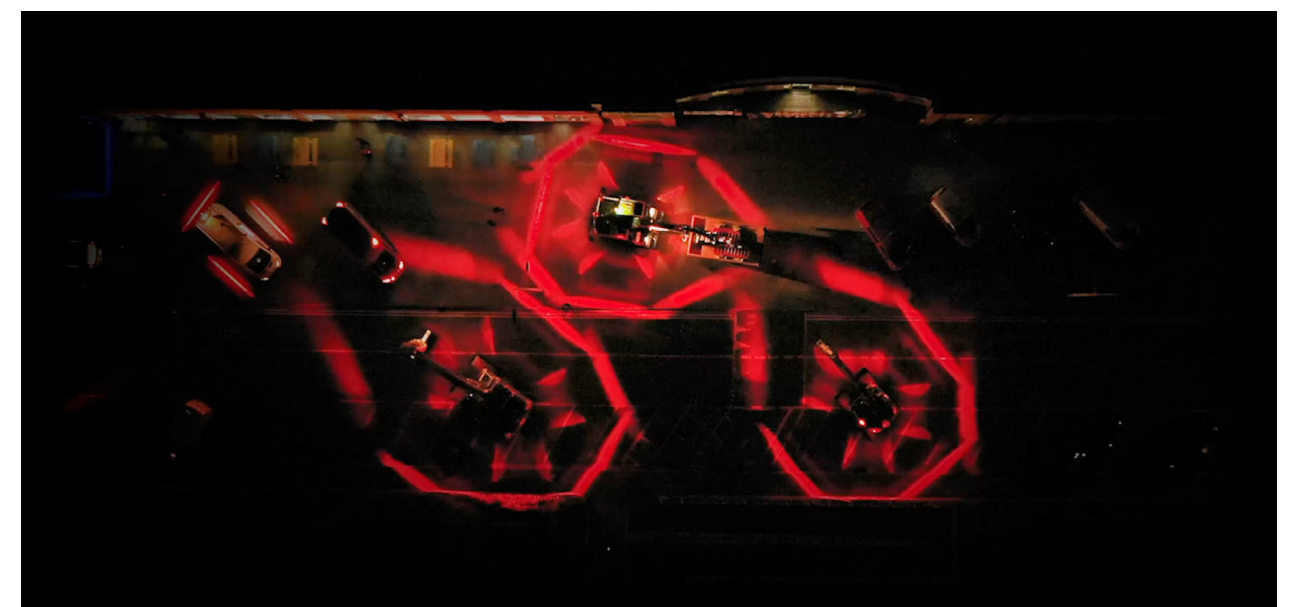


Avoid pedestrian collision, the FHOSS HALO Exclusion Zone allows workers to clearly identify exclusion zones. There are a huge amount of incidents around plant and vehicles. Backup alarm systems are effective, but what happens when employees are listening to music, have their ear defenders on, are talking on their mobile phones, or staring at the ground?

That's where the FHOSS HALO Exclusion Zone can help. Once the light is installed around the vehicle, focused beams of light will identify an exclusion zone, making the worker aware not to enter the danger zone.

Key Benefits:

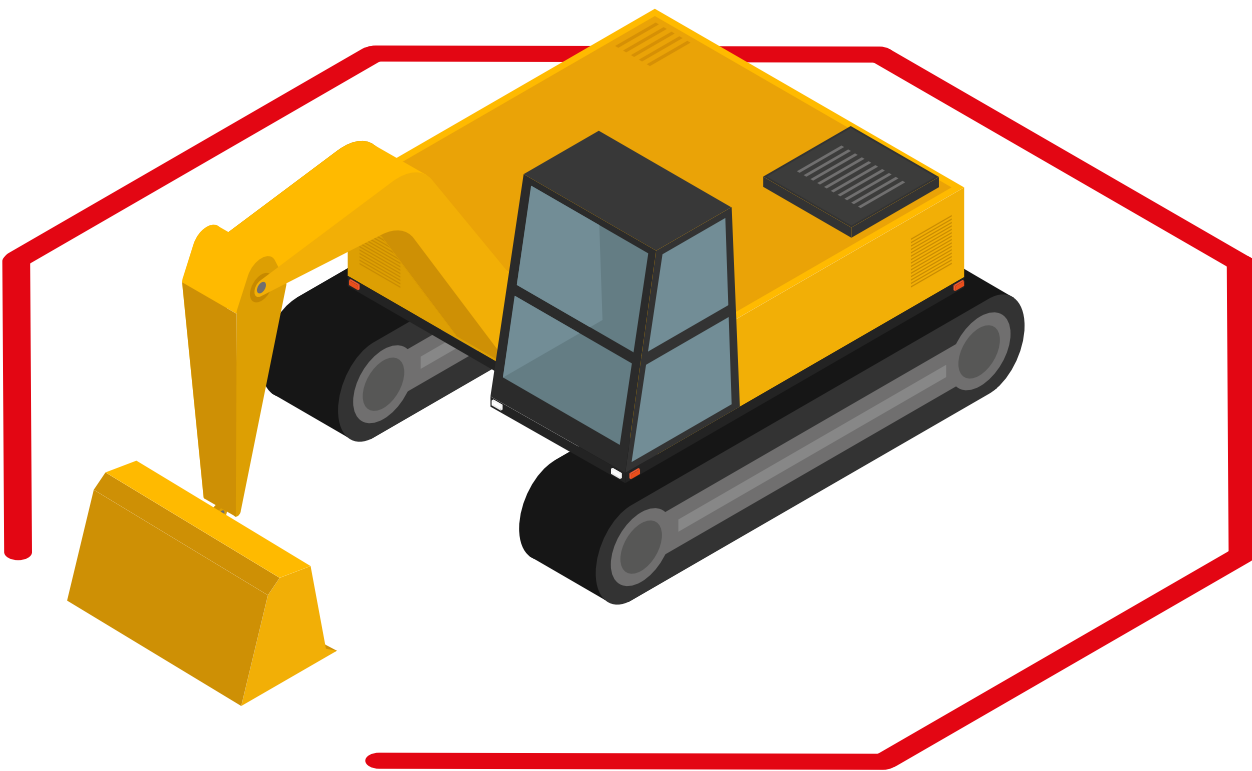
- Projected exclusion zone for pedestrians
- Covers 360 degrees
- Simple visual messaging system
- Increases safety of employee, vehicle & plant
- Mitigates risk around pedestrian infringements



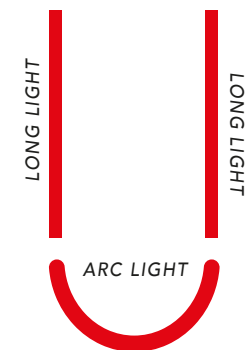
How it works.

The FHOSS HALO system uses bright lights to project lines around your vehicle or plant. The zone that it creates, demarcates the red-zone - ensuring that all pedestrians and vehicle operators know where not to go, it is as simple as that.

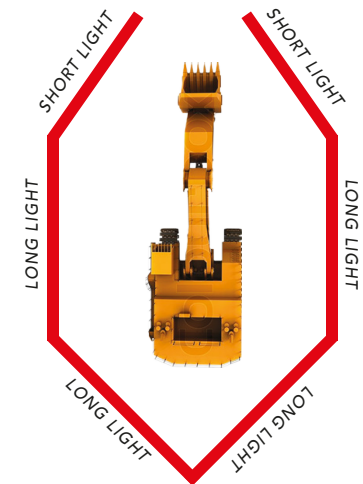
We will work with you to decide on how many lights are required to provide adequate coverage to your vehicle or plant, with systems ranging from 3 to 7+ lights.



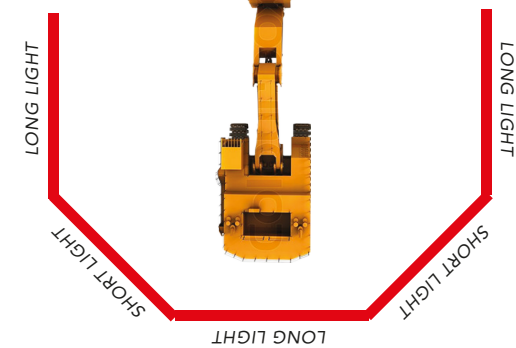
3 x LED LINE LIGHTS



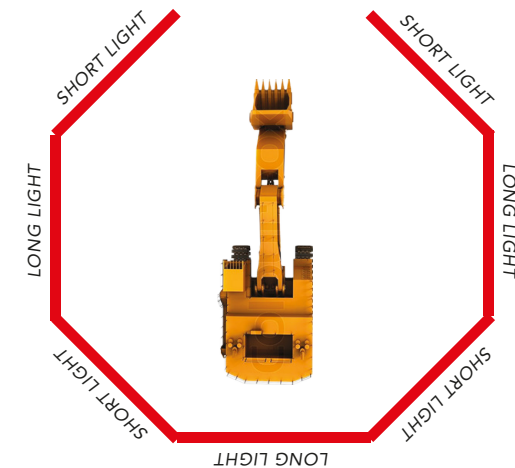
6 x LED LINE LIGHTS



5 x LED LINE LIGHTS



7 x LED LINE LIGHTS



Increasing vehicle and
plant conspicuity, on-site
and on the highway.





As a market leader of light based safety systems, we at FHOSS identified a simple solution to assist with people, vehicle and plant interface zones. FHOSS Light Livery panels increase the conspicuity of your fleet and provide essential additional visibility in low light and adverse conditions. They have been developed utilising passive light technology in order to draw attention to a vehicle without distracting or confusing other road users. Light Livery can also be incorporated into signage and utilised as a directional or promotional aid.

Our passion for safety has helped us to create lasting and effective partnerships with our clients who have used our safety systems on a variety of vehicles and high traffic areas.

Key Benefits:

- Meets and exceeds Chapter 8
- Available in generic and bespoke sizes
- Simple visual messaging system
- Increases safety of employee, vehicle & plant
- Functions with and without secondary light
- Uses superior prismatic technology over typical, low-grade glass bead reflectivity

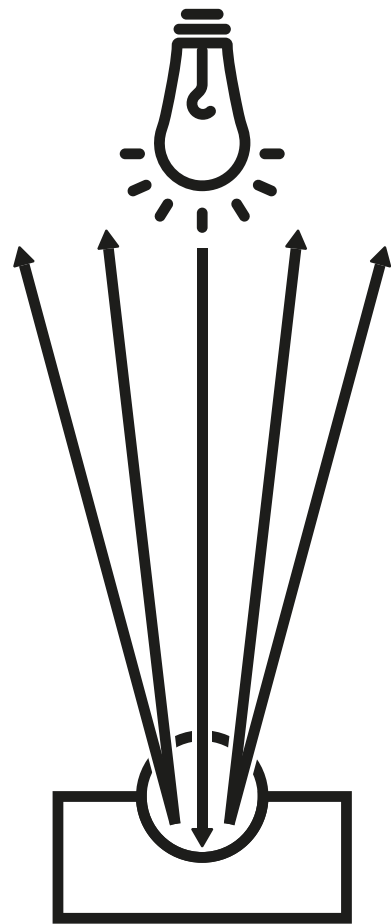


How it works.

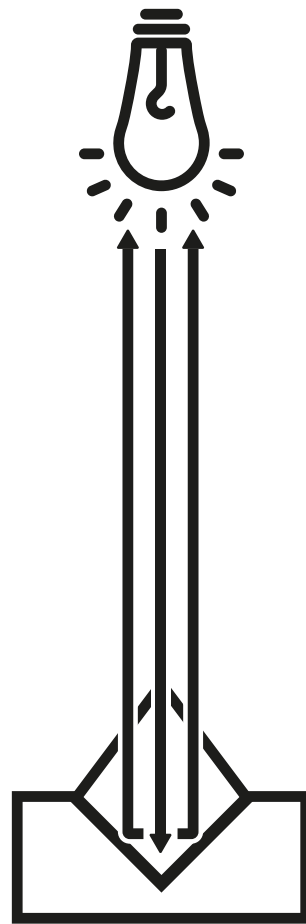
Our patented Light Livery system works to meet and exceed the requirements for Chapter 8 livery, by providing both reflectivity and illumination. We follow the standards of chapter 8 precisely to ensure uniformity across your fleet.

Glass bead vs Prismatic Reflective Technology

Glass bead reflective technology has become obsolete in recent years, with Prismatic technology providing an 80% increase in effectiveness. This is due to the shape of the prisms, allowing light to bounce back in a focussed direction as opposed to dispersing randomly.



Glass Bead



Prismatic

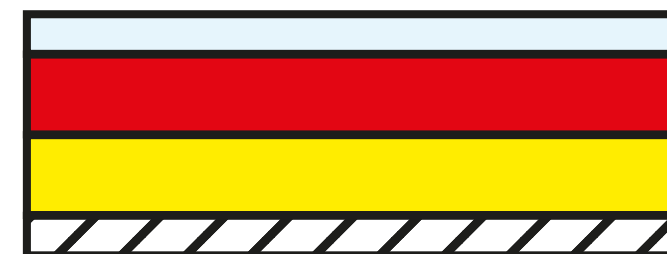
Meeting and Exceeding Chapter 8



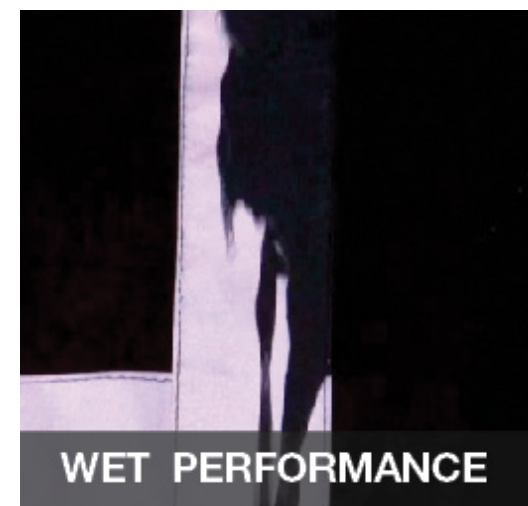
Illuminated
Prismatic Red
(Static)

Illuminated
Flourescent Yellow
(Flashing)

No Matter the Weather

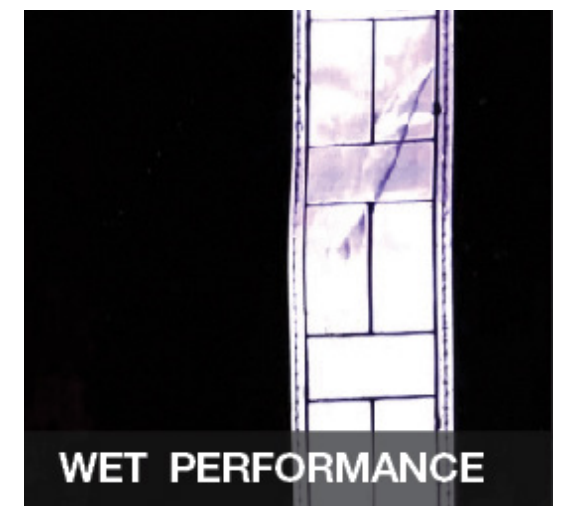


IP68 Coating
Primatic Retroreflector
Electro Luminescence
3m Backing



WET PERFORMANCE

Glass Bead



WET PERFORMANCE

Prismatic

FHOSS CAST[®]

INTELLIGENT PROJECTION

Get your message across,
using with powerful
illuminated signage.

Our FHOSS CAST Intelligent Projection System is the next step in illuminated visual messaging. Whether you want to light up your company name and stay ahead of the competition or keep your workforce safe with important information or signage – FHOSS CAST is the way forward.

Key Benefits:

- Entirely custom graphic, anything you want to project can be fulfilled.
- Projects onto upper most surface, dirt, weather, wear & tear, and darkness are no problem, unlike stickers / paint.

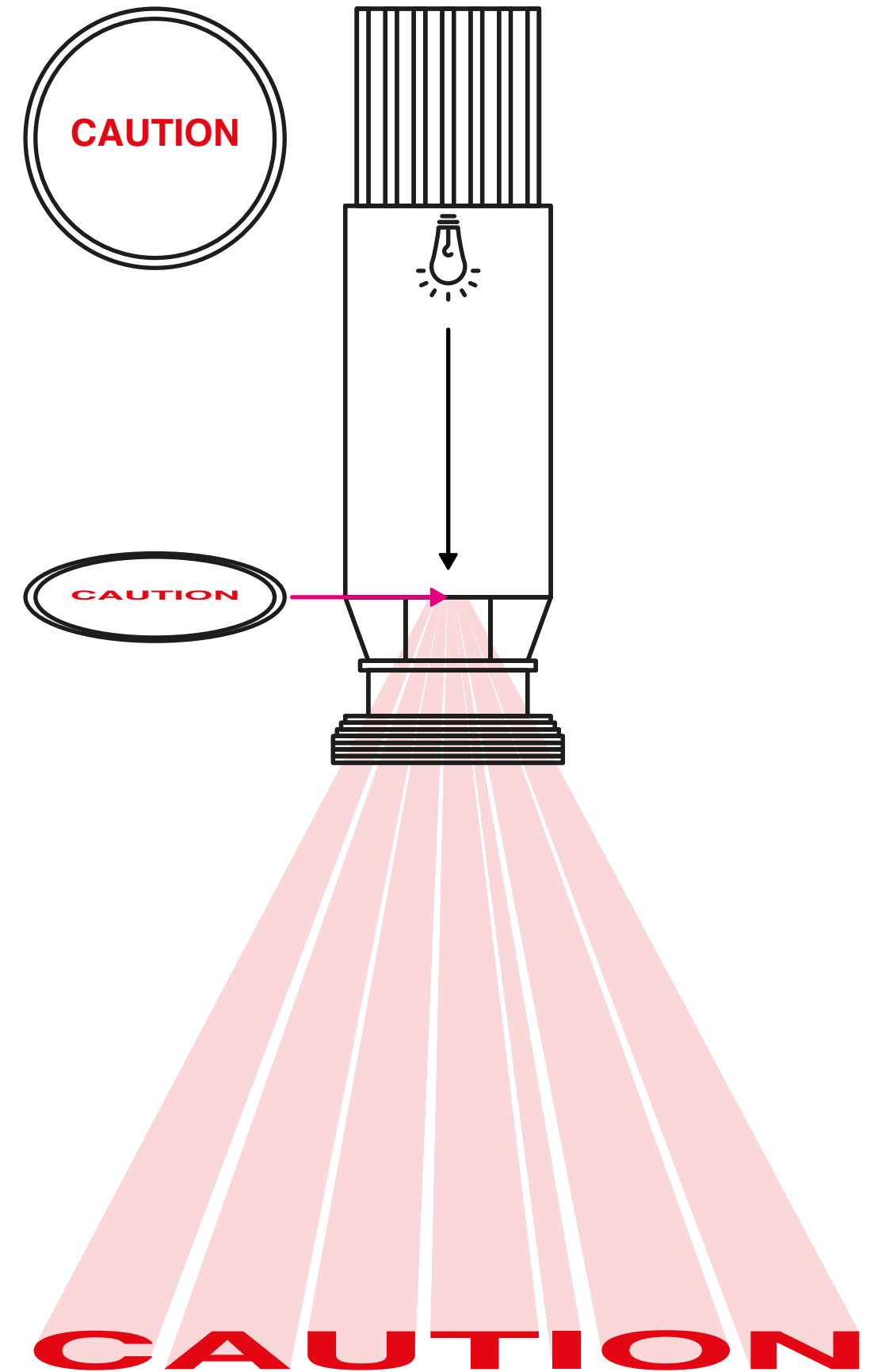
Common Uses:

- FHOSS "Bullseye" Projectors - To guide vehicles into loading bays, increasing efficiency and reducing waste product.
- Clearance guidelines - To prevent vehicle collisions with plant machinery, in the example here, to ensure that excavators have buckets lowered before passing through.



How it works.

Our CAST Projectors work using a colour filter, to remove light in areas and project a static image. These filters are entirely bespoke, so we can design to your exact specification, and with a few simple measurements we'll make sure that image projects to the size that you desire.





FHOSS[®]

ACCESSORIES

**Next Generation
Illuminated PPE to
Keep Your Workforce
Protected.**

FHOSS® ACCESSORIES



Illuminated Cord

The FHOSS Illuminated Cord has literally hundreds of uses. It is lightweight and can be easily cut to fit depending on usage and requirements.

- USB rechargeable battery
- 18hrs use per charge
- 100,000 hrs LED life

Available in: White, red, green, blue



Illuminated Signalling Rucksack

The bright LED Illuminated Rucksack enables the wearer to show motorists what direction you are going to turn or travel including left, right, forwards or stop. It has adjustable straps, rechargeable USB battery and of course storage for your essentials.

- USB rechargeable battery
- 100,000 hrs LED life



Glow Skin

The FHOSS Glow Skin is light weight, adjustable and practical. It features a white illuminated section on the front and a red illuminated section on the back with additional reflective strips, these demonstrate directional movement - informing operators of pedestiran movement around site.

- USB rechargeable battery
- 20hrs use per charge

Available in: black, orange, yellow



Illuminated Signalling Tailbag

The bright LED Illuminated Tailbag enables the wearer to show motorists what direction you are going to turn or travel including left, right, forwards or stop.

- USB rechargeable battery
- 100,000 hrs LED life



Illuminated Armband

Designed with comfort in mind, the Illuminated Armband is made from lightweight nylon and is soft, durable and comfortable. With two sizes and a range of colours to choose from, the Illuminated Armband is fit for any use case on site.

- 100 hrs replaceable battery life
- 100,000 hrs LED life

Available in: Red, white



Illuminated Mag-Light

The FHOSS Magnet Light is versatile and easy to use. The 4 LED's are bright and have two settings; slow flash and steady glow.

- 100 hrs replaceable battery life
- 100,000 hrs LED life

Available in: Blue, orange, white, yellow

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THOMPSONS 
more than just tippers

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