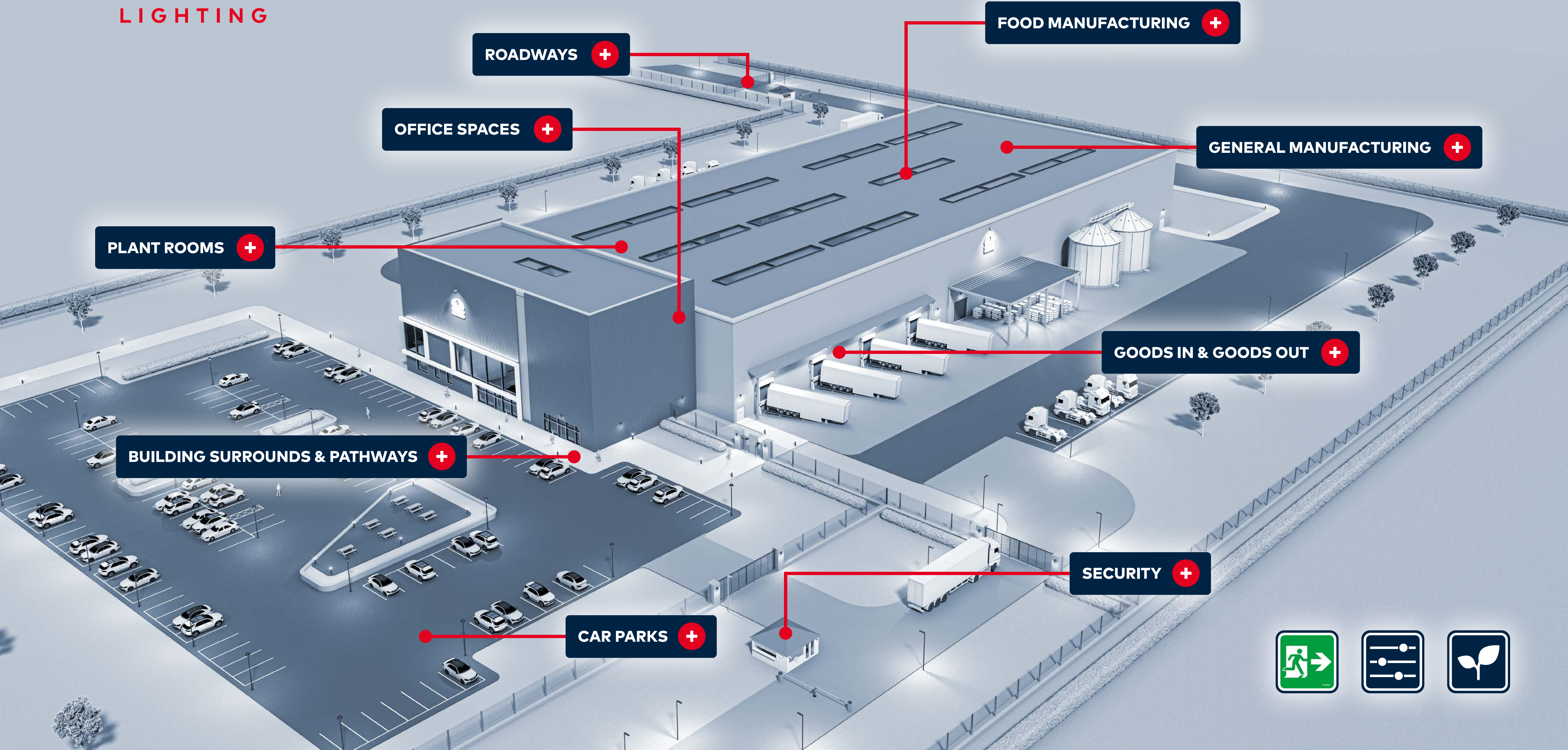


THORN

LIGHTING



ROADWAYS +

OFFICE SPACES +

PLANT ROOMS +

BUILDING SURROUNDS & PATHWAYS +

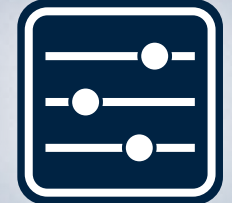
CAR PARKS +

FOOD MANUFACTURING +

GENERAL MANUFACTURING +

GOODS IN & GOODS OUT +

SECURITY +





BUILDING SURROUNDS & PATHWAYS

SAFE AND COMFORTABLE WELCOME

ILLUMINATION - Manufacturing buildings are very busy spaces with employees and visitors travelling from the car park to the building as well as goods-in and goods-out staff engaging with delivery and logistics partners. As such it's important that we protect peoples' safety in these spaces.

With technology like Variable Light Distribution (VLD), you're able to balance the needs of pedestrians with the needs of moving traffic and your sustainability aspirations utilising one light fixture. With VLD you can control the colour temperature and light levels independently for both moving traffic and pedestrian needs.



PIAZZA



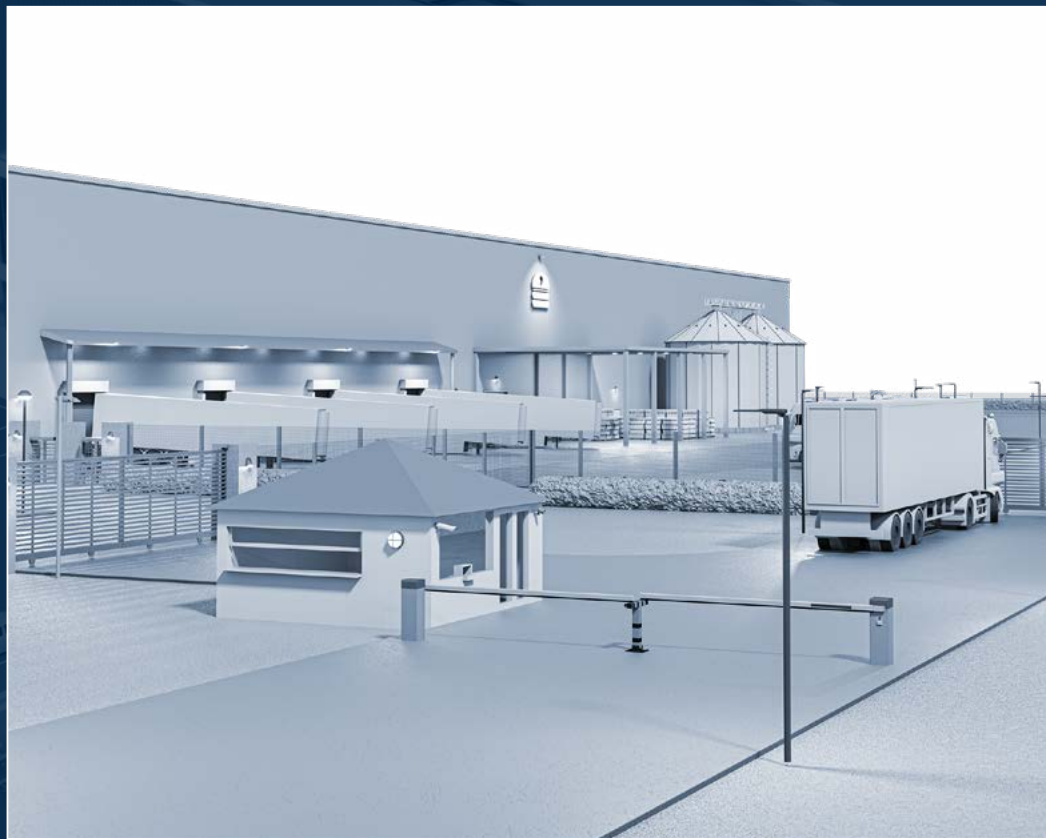
THOR BOLLARD



PLURIO



D-CO BOLLARD



SECURITY

ENSURING THE SITE'S SAFETY

DEPENDABLE LIGHTING - Security entrances are critical areas. It's important that documents, people and goods check out. If the lighting here is poor, then there's a high risk of error. Good cylindrical illumination in these areas ensures that facial expressions can be far more easily interpreted. This enables security staff to better understand nonverbal communication.

Similarly, higher quality light (CRI 80+) can also help differentiate varying colours of identifying features, such as vehicles and peoples' clothing.



PIAZZA



AREAFLOOD PRO



EYEKON



ISARO PRO



GOODS IN & GOODS OUT

THE BEGINNING AND END OF THE MANUFACTURING JOURNEY

STREAMLINED EFFICIENCY - In any manufacturing setting, it's key that the production line keeps running. This means that signing goods into the facility needs to be a very efficient process. It's also an extremely busy part of the facility that is often utilised around the clock.

Therefore it's very important to balance the correct light levels to help with loading and unloading whilst ensuring that the lighting control system maximises energy efficiency.



GOODS IN & GOODS OUT 

FOOD MANUFACTURING



FOOD MANUFACTURING

SAFE LIGHTING FOR FOOD PRODUCTION

CLEANLINESS AND SAFETY - Luminaires must be easy to clean with a design that prevents the accumulation of dust, dirt, fluids and other contaminants. Cleaning agents or ingredients can be corrosive and so careful selection of luminaire materials to minimise damage is an important consideration.

The lighting installation should provide the right light irrespective of the challenging conditions such as high levels of dust, steam, and moisture. This means that the light points must be of high quality and offer a very low failure rate to ensure any downtime is minimised.

For both food processing environments as well as packaging spaces, our focus should be on food safety and cleaning processes. Any products to be used within these environments will need to conform to and align with food safety standards.





GENERAL MANUFACTURING

ILLUMINATING PRODUCTIVITY

EFFICIENCY AND PRODUCTIVITY - Good lighting for general manufacturing spaces should help to boost productivity and enable people to efficiently undertake tasks. Thorn's high quality lighting provides safety and comfort, with minimal glare, keeping operations running smoothly.

Heat, dust, high ceilings, vibration and corrosion are commonplace in most manufacturing settings. Good industrial lighting is built to withstand these tough environments, while also providing powerful light, ensuring the ideal light solution for industrial spaces.



HIPAK



CONTUS



ESCORT



AQUAFORCE PRO

THORN

LIGHTING

PLANT ROOMS



PLANT ROOMS

RELIABLE SOLUTIONS IN CRITICAL SPACES

SUPPORTING CORE SPACES - A plant room is essential in keeping the rest of a manufacturing site operating smoothly. This is where many types of utilities are controlled, from boilers to generators and other significant machinery. While these spaces are not used by vast numbers of people, strong and well-designed lighting is essential here.

When the space does need to be used, for example by engineers, adequate visibility is needed to ensure the smooth and safe operation of tools, machinery and other necessary equipment. However, to increase energy savings and improve efficiency, it's important to include a controls solution in order to provide light only when it is needed.



AQUAFORCE PRO



FORCE LED



ESCORT



AQUAFORCE

THORN

LIGHTING

OFFICE SPACES



OFFICE SPACES

COMFORTABLE WORKING ENVIRONMENTS

PERFORMANCE

CRI 80 or higher helps to ensure good light quality for colleagues and visitors and good vertical uniformity helps improve facial recognition and communication.

COMFORT

Help towards low glare and better comfort as a whole across the space by using products rated UGR19 or less.

CONTROL

Make sure you're controlling the lights correctly with an intelligent control system that optimises energy consumption throughout the building.



CHALICE PRO



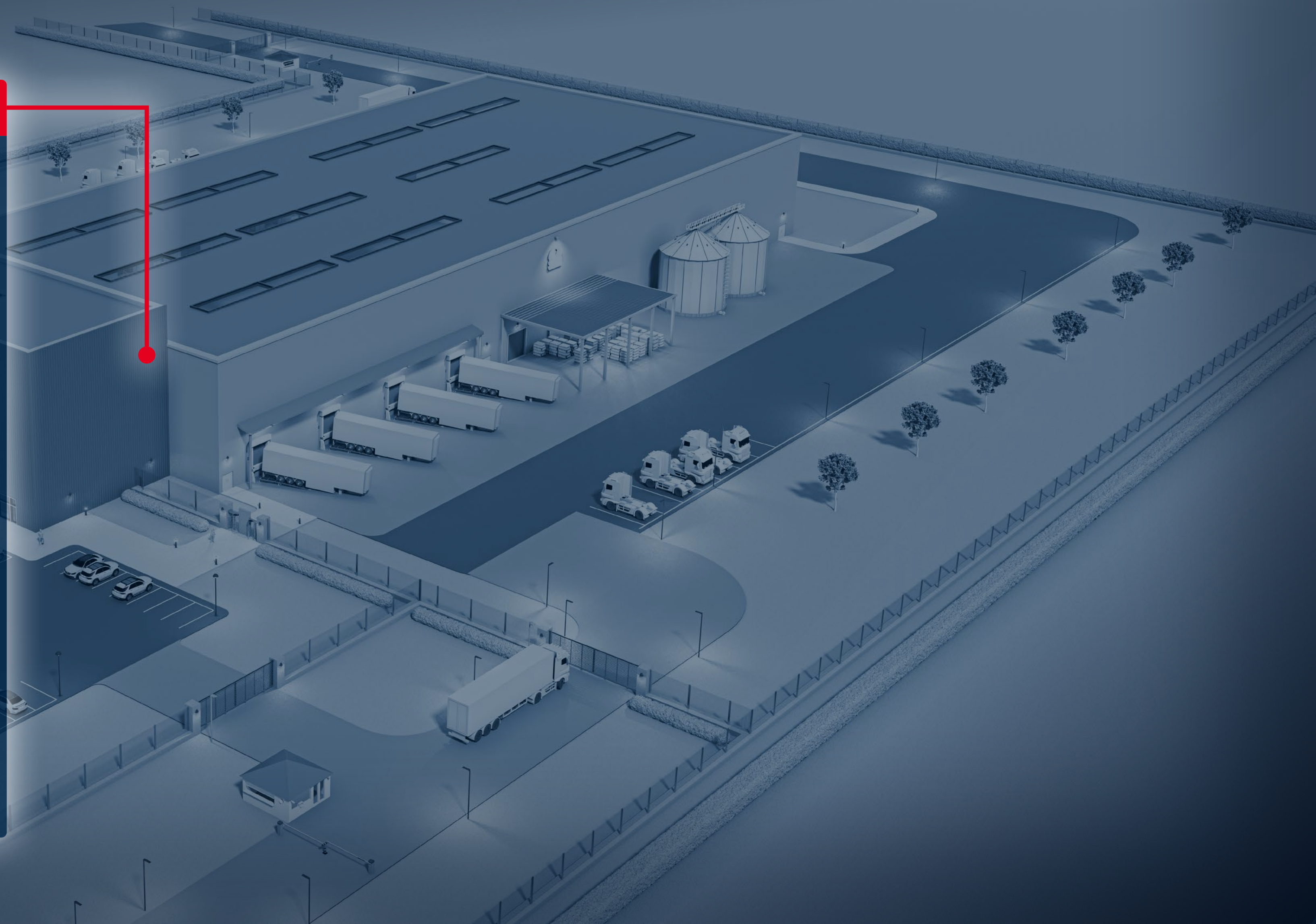
BETA 3



OMEGA PRO 2



IQ BEAM





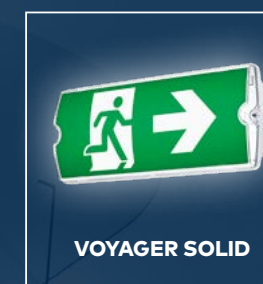
EMERGENCY

A SAFE WAY OUT

Our Voyager range of emergency luminaires are designed, manufactured and tested to meet the latest European standards regarding safety and electromagnetic compatibility. The purpose of emergency lighting is to allow people to make their way safely out of buildings in the event of an emergency, for example during a black out. Emergency safety lighting and illuminated exit signage ensures able bodied people can safely evacuate a building to a place of safety. In these situations, lighting can save lives and keep people calm. It goes without saying that emergency lighting must comply with all relevant rules and regulations. But the best emergency lighting goes further, incorporating flexible luminaires with ease of installation and maintenance, long life and energy efficiency. Thorn's 90+ years of experience and reputation for quality are your guarantee of an optimal emergency lighting solution.



VOYAGER SQUARE



VOYAGER SOLID



VOYAGER ONE





LIGHTING CONTROL SOLUTIONS

RIGHT LIGHT, RIGHT TIME

CONTROLS - OUTDOOR - Enhanced energy savings are just one of many benefits to installing affordable lighting controls. However at Thorn, we continually aim to deliver the best of both worlds. PIR systems like **UrbaSens Detect** mean that you can balance your energy saving targets with security illumination. By maintaining a lower level light output through the night, you exponentially lower energy consumption whilst still aiding CCTV through required light levels. **NightTune** technology can make automatic adjustments to the level of light emitted by a light fitting, as well as its colour temperature, to suit the exact time of night and level of traffic. Perfectly balancing your need for light with the needs of local ecology.

UrbaSens Detect - integrated PIR system providing autonomous pedestrian, bicycle and traffic sensitive illumination. Providing the balance between energy reduction and security. Ideal for refurbishment projects.

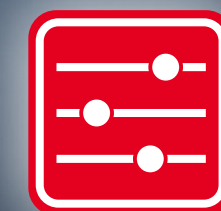
UrbaSens Sentinel - Autonomous motion detection and increased energy savings whilst supporting **NightTune** & **Variable Light Distribution**.

NightTune - a sustainable solution, adjusting both colour temperature and output to protect the nocturnal environment, wildlife and promoting human wellbeing without compromising safety.

Variable Light Distribution - taking **NightTune** technology to the next level by integrating different optics within the same luminaire to ensure pedestrians, cycle paths and roadways are visually identifiable and correctly lit.

CONTROLS - INDOOR

BasicDIM - Even though there are significant energy savings to be had by upgrading from old lighting technology to more energy efficient LED solutions - there's the potential to reduce energy consumption by a further 33% by implementing and utilising intelligent controls. When those controls are wireless, you can connect all light points via a mesh network, which means it's possible to use existing cabling infrastructure and still benefit from the energy savings that come from ensuring that spaces are only fully illuminated when natural light levels are low and when fewer people frequent an area.



WE CARE

SUSTAINABLE MANUFACTURING

By creating increasingly sustainable manufacturing spaces, you are not only making an positive, intentional step forward for the betterment of the planet, but you are also helping to advance our collective sustainability goals.

Our intention is to be your partner of choice and to help you achieve your sustainability ambitions. Both our indoor and outdoor solutions deliver energy and cost-saving opportunities, while having the qualities needed for them to operate in what are often tough or harsh environments. For manufacturing, this includes products that are easy to maintain, made from durable materials, and built to the highest IK and IP ratings.



SUSTAINABLE DEVELOPMENT GOALS



GOOD HEALTH AND WELL-BEING

Both staff and consumer safety is paramount in manufacturing spaces. Lighting plays a pivotal role in improving shift workers visual acuity and with our food safe lighting solutions you can be confident that consumer food safety standards are maintained.



RESPONSIBLE CONSUMPTION AND PRODUCTION

In manufacturing environments, it's important that we reduce harmful substances and materials by consciously preventing hazardous waste and focus on reducing overall manufacturing waste.



CLIMATE ACTION

Manufacturing sites can often function on different shift patterns. This is where lighting technologies such as NightTune and BasicDIM can illuminate from outside-in, whilst lowering output, energy consumption and light spill which can benefit local biodiversity and lower the overall electrical load.

[CLICK HERE TO READ MORE ABOUT OUR SUSTAINABILITY COMMITMENTS](#)





CAR PARKS

SAFER SPACES

From goods-in to goods-out and from the main car park to main entrance, lighting can have a significant impact on the wayfinding experience for visitors and employees. Additionally, whilst lighting has a positive impact on site security and colleague safety, we can also balance that need along with the needs of local biodiversity.

Our NightTune technology ensures that colour temperature and light output respects local biodiversity.

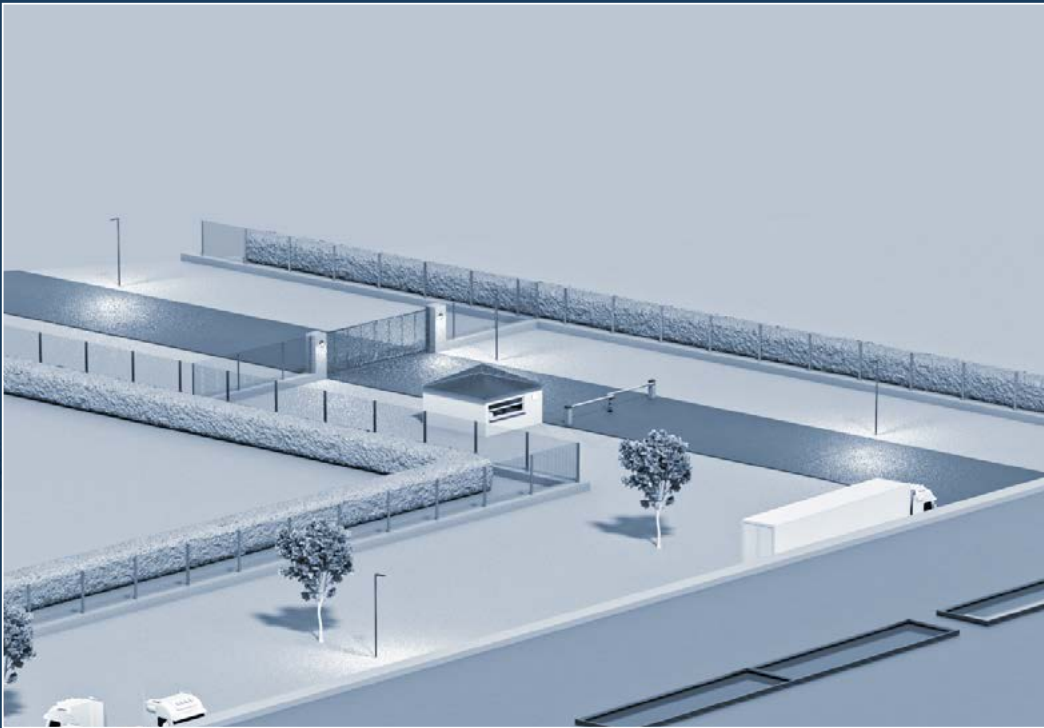


CAR PARKS —

THORN

LIGHTING

ROADWAYS



ROADWAYS

ENHANCED SITE SECURITY

In manufacturing environments, managing customer demand can be highly complex. In many cases, the manufacturing process can be a 24/7 operation and this makes the roadways extremely busy and safety here is key.

In these situations, your lighting installation across the site helps visibility for security teams and if implemented correctly, can work as a support element for your CCTV system.

