

zumtobel group

# ABS

Udine, Italy



THORN  ZUMTOBEL  zumtobel group services



# Working together to realise a lighting solution for Italian steelmaking giant

The possibility to choose the best solutions from multiple brands all from one hand – for indoor and outdoor.

A major new lighting project in northern Italy has showcased the unique collective strength of the Zumtobel Group. Luminaires from Zumtobel and Thorn and a lighting controls system from Zumtobel Group Services (ZGS) have been combined to form a new energy-efficient lighting solution for Italian steel manufacturer ABS. “More light points in the space provide improved brightness and better working conditions. Switching to LED has also reduced our energy consumption by 70 percent,” explained Luca Sassoli, Energy Manager at ABS. At the same time, the new installation has helped achieve a significant reduction in maintenance costs.

The headquarters of ABS in the province of Udine are shining in a fresh light to mark the 100th anniversary of the Italian steel manufacturer. The new lighting solution had to satisfy a number of important criteria, optimising costs while simultaneously delivering increased lighting quality and added safety – for the good of the planet, the people and the balance sheet. Thanks to the close cooperation of all parties involved and the outstanding synergy of the strong Zumtobel Group brands (Thorn, Zumtobel and ZGS), the customised lighting solution for the large and varied site impresses in all areas.

ABS (Acciaierie Bertoli Safau) is a worldwide leader in steel production. The company was established in 1988 following the merger of steelmakers Officine Bertoli, whose origins date back to the start of the 19th century, and Safau, which was first founded in 1934. As part of the international Danieli Group, ABS blends extensive experience with a true spirit of innovation to continually satisfy the demands of the most demanding global markets. At the same time, ABS remains committed to the highest standards of social awareness, seeing factors such as environmental accountability and responsible supply-

chain management as an essential part of its continued success.

An imposing 36-metre-high water tower catches the eye even before entering the ABS site, with shrubs and plants positioned at different heights to give the structure a distinctive modern look. The tower is showcased at night by three Zumtobel Group brands. The prominent architectural features, greenery and crystal-star-like steel framework with the company logo are highlighted by SUPERSYSTEM outdoor LED luminaires from Zumtobel. Additional Thorn Contrast LED RGB floodlights attached to the tower create interesting colour-changing effects, while a LITECOM lighting management system from ZGS enables the setting of dynamic or static lighting scenes via a regular tablet device.

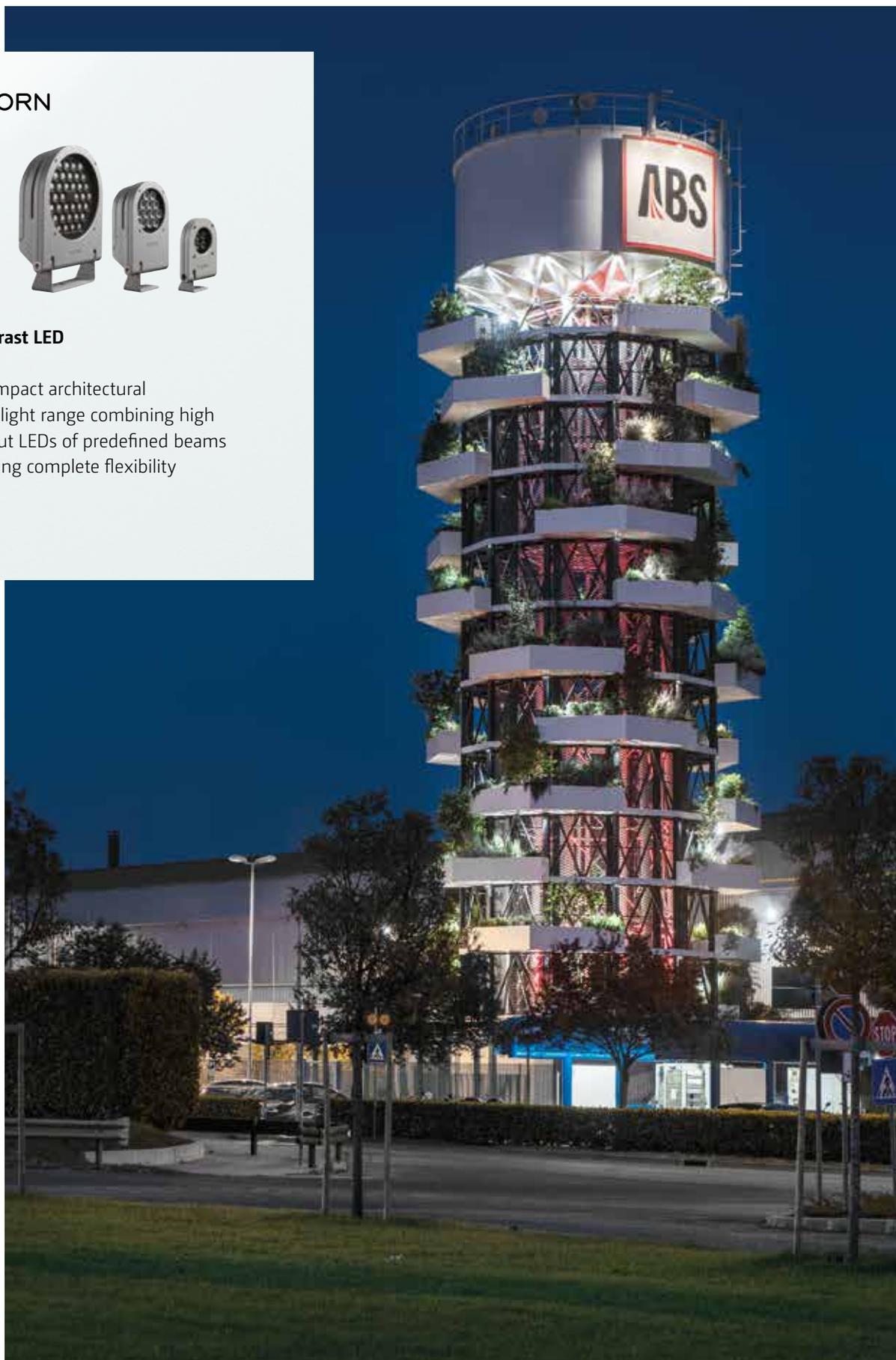
As the company specialises in long steel goods, the entire ABS site is designed to accommodate extended products. This clearly had a major influence on the lighting solution, as large production areas with increased operational-safety demands had to be illuminated accordingly. Having looked closely at the specific requirements with the customer, the high-efficiency and high-performance CRAFT luminaire from Zumtobel was trialled in the indoor areas. The LED high-bay, which was developed for industrial applications and can withstand ambient temperatures of 55°C, was initially tried in small quantities and then gradually installed throughout the facilities following the successful trial period. Thanks to a combination of wide-beam and narrow-beam versions, CRAFT provides both uniform hall lighting and efficient illumination of the high-rack storage sections. The dedicated narrow-beam optics from Zumtobel were specially designed for large warehouses, guaranteeing optimum performance and extended spacings between

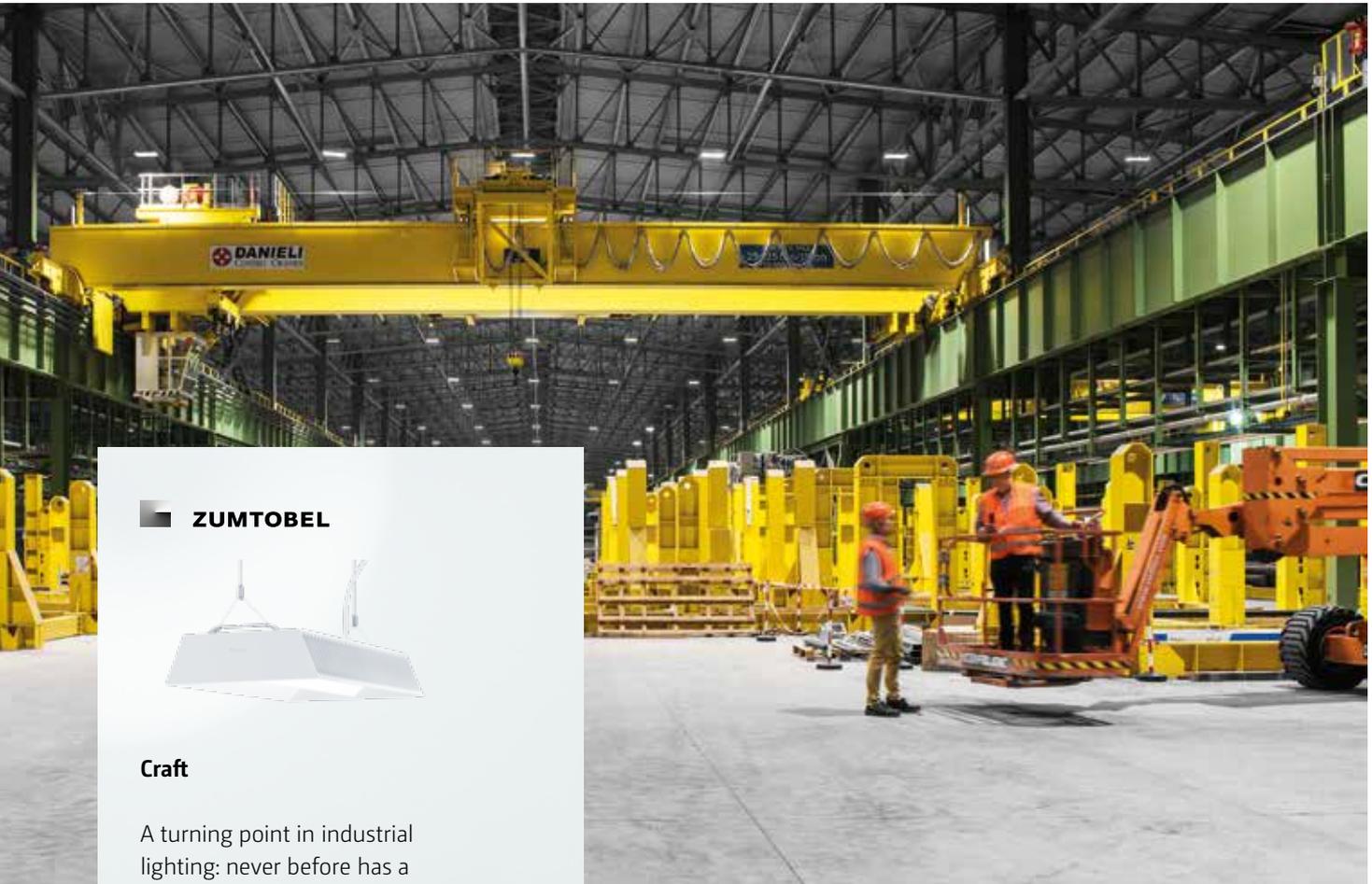
## THORN



### Contrast LED

A compact architectural floodlight range combining high output LEDs of predefined beams offering complete flexibility





**ZUMTOBEL**



**Craft**

A turning point in industrial lighting: never before has a luminaire been so powerful, so compact and so efficient



the luminaires. In addition, the mechanical design of CRAFT prevents troublesome dust deposits, ensuring optimum thermal management and minimising maintenance in hard-to-reach places.

The external areas of the plant are home to a series of storage, logistics and traffic zones, where Thorn's expertise in outdoor applications proved particularly valuable.

Thorn Altis Area floodlights with an asymmetric light distribution were installed here for the first time in Italy to specifically comply with the country's stringent light-pollution laws. The floodlights have been mounted on 30m and 45m high masts, enabling a limited number of light points to illuminate the vast area where the goods manufactured in the factory are stored before shipment. The flexible Altis Area floodlight consists of three separate lighting modules, all of which can be combined with different optics and independently swivelled or tilted. This allows the distribution to be adapted to suit any application, regardless of where the masts are located.

Classic Thorn Isaro road lanterns and the latest generation of the Thorn Civiteq range have been selected for the sizeable road network that spans the ABS premises, taking advantage of the highest levels of energy efficiency and a special gasket system to guarantee lasting performance in all weathers. Long-life converters help further extend the maintenance cycle of these robust luminaires. Thorn

Areaflood and Areaflood Pro floodlights can be found in the secondary storage areas and peripheral zones. Optimum light control with minimal stray light ensures pleasant lighting comfort and maximum safety in the dark. Additional Thorn R2L2 lanterns mounted close to the pedestrian crossings enable drivers to easily spot those moving around the site on foot.

The new lighting in the offices has been planned to guarantee employees a comfortable environment throughout the whole day, intelligently taking into account the amount of available daylight. The use of projectors and different ways of working are also supported by the tailor-made solution.

MIREL evolution from Zumtobel, an advanced form of the conventional louvre luminaire, impresses with its elegant appearance, outstanding photometric performance and great flexibility. This office luminaire range offers a consistent design for offices, conference rooms and corridors, while the blend of a soft light distribution and the brilliant appearance of the fitting enhances the overall quality of the light. At the same time, LED technology, daylight-dependent controls and reduced maintenance requirements all lead to significant savings in terms of energy and costs.



## THORN



### Altis Area

High power LED floodlight for high mast area lighting with excellent control of obtrusive light

# Who we are

Our vision is to provide the widest range of solutions for the lighting industry of the future

## zumtobel group

acdc

THORN

THORN 

TRIDONIC

**zgs** zumtobel group  
services

 **ZUMTOBEL**

We are a leading global provider of lighting and related services. Our group of specialists deliver the right solution for the lighting needs of all of our customers.

The world is entering a Fourth Industrial Revolution which is driven by technology and an unprecedented speed of change. We continue to provide our existing lighting solutions whilst building on our specialist skills to develop and advise on the high-quality products and services needed for the future.

By combining our expertise in lighting infrastructures with that of leading technology partners, we enable new data-based services in connected buildings, cities and commerce.

We are thought leaders and innovators, and aspire to be the provider of the most complete solutions for the lighting industry. As a group of specialists, we are perfectly positioned to create unique value for our customers.

In doing so, we maintain the ethos of excellence created and nurtured by our founders many decades ago.

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