

PRESS RELEASE

Safe warning at great heights - Signaling in crane construction

BANG relies on the powerful QUADRO LED-HI from Pfannenber for customer Voestalpine

Hamburg, 22 September 2020. Numerous workstations, many people, noisy machines - in between heavy loads that must be transported efficiently and without commuting: Industrial halls for mechanical engineering and manufacturing place the highest demands on cranes. This requires a sophisticated concept for the reliable perceptibility of signals for signaling crane statuses. The crane manufacturer BANG Kransysteme GmbH & Co. KG relies on the powerful QUADRO LED-HI multifunctional lights from Pfannenber for its customer Voestalpine.

The cooperation with BANG once again shows how important it is to work in close partnership to develop an optimal signaling solution for the required application," says René Jarvers, Sales Expert Signaling Technology at Pfannenber.

In addition to the industrial signaling devices and personal warning systems, the crane manufacturer BANG uses Pfannenber products for reporting crane status. The Austrian steel and technology company Voestalpine asked for a solution that would ensure the visibility of various machine statuses even at great heights. Depending on the height of the crane runway, the lights are installed at a height of 7 meters to 12.6 meters. Nevertheless, the crane status must be clearly visible immediately.

In order to make the actually covered signaling area visible under real environmental conditions, BANG used the holistic planning method Pfannenber 3D-Coverage. It quickly became apparent that the Quadro LED-HI multifunctional light perfectly covered all requirements. It was specially designed for optical signaling of status and hazardous conditions on industrial plant and machinery.

The powerful LED light has an extremely high signal effect of up to 75cd, which enables perception over long distances - and in this case from a great height. In addition, the brightness can be continuously adjusted to perfectly match the application. To ensure that important crane statuses and warnings are recognized even without looking directly at the display panel, the Quadro LED-HI has three different signal options - continuous light, flashing and strobe light. In combination with numerous possible hood colours, the signaling device for industrial applications can be used to distinguish between numerous crane system statuses.

For BANG, one thing is clear: "With Pfannenberg, we have found a partner for signal technologies that meets our high demands for industrial quality and provides us with real added value with its support in planning and with its high-performance products," says Michael Schmidt, head of electrical engineering design at BANG. "We will also rely on Pfannenberg's innovative and efficient products for future crane systems.

Pictures and Captions:



Caption 1: Display panel for crane statuses at Voestalpine: The Pfannenberg LED lights Quadro LED-HI provide a high signal effect at heights up to 13 meters.



Caption 2: Display panel for crane statuses in the workshop at BANG: The selection of different signal modes in combination with numerous possible hood colours allows a clear differentiation of the numerous crane statuses.



Caption 3: The powerful Quadro LED-HI with 75 cd offers a high perceptibility.

About Pfannenberg

Pfannenberg is a medium-sized company which provides innovative and high-quality electro-technology for industry. Today, the company belongs to the global players of this industry with its headquarters in Hamburg, Germany and its locations in Brazil, China, England, France, Italy, Russia, Singapore, and the USA. The product portfolio comprises components and system solutions for the thermal management of electrical enclosures, chillers, visible and audible signaling technology and custom solutions. A special highlight in the Pfannenberg portfolio is the designed illuminations which are commissioned by architects, designers, and urban and spatial planners (<https://www.pfannenberg.com/en/solutions/industries/art-illumination/>).

You can find more information about Pfannenberg on: <http://www.pfannenberg.com>

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