

CASE STUDY



CLIENT: Boogert Service
LOCATION: Nieuwerkerk, The Netherlands
PROJECT: Illuminating repair workshop, warehouse, laundry and testing room.

Boogert service

BOOGERT SERVICE - NIEUWERKERK

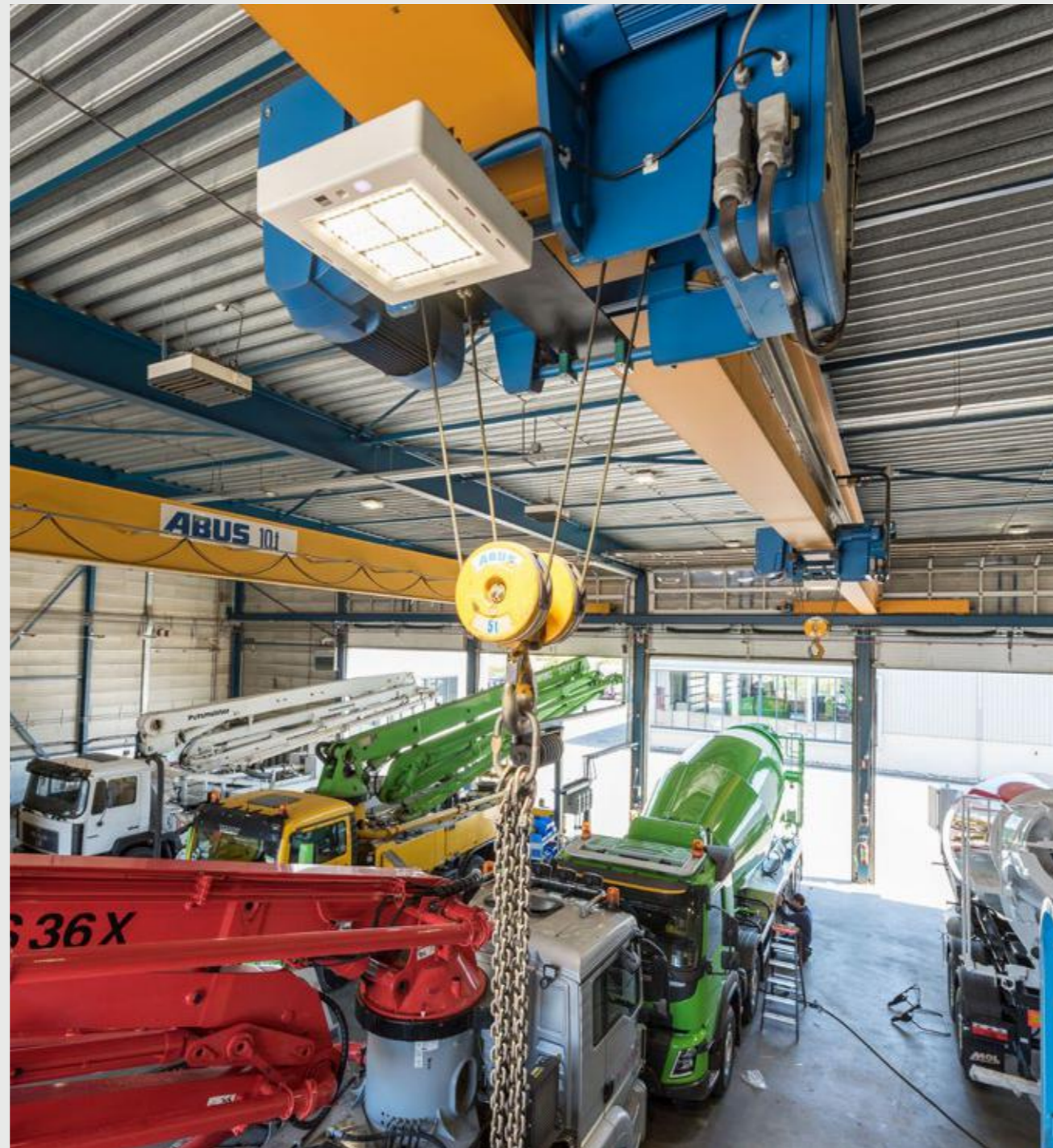
'Light is only on if you are present'

In the workshop of Boogert Service—specialists in the refurbishment, maintenance and new-build of concrete mixers and pumps—all requisite facilities are in place to ensure the most stringent expectations in terms of quality and speed can be met. Beside a concrete pump/mixer repair workshop, a well-organized warehouse, the company's own hydraulics service and a laundry and testing room, which are being fitted with energy-efficient LED lighting step by step within the compass of a well-balanced lighting plan. This will enable further optimization of work and operational processes.

'The first task we have is to replace the fluorescent lighting in Boogert Service's concrete pump/mixer repair workshop with our Luci Series Industry LED luminaries, which are not only motion-controlled but also keep track of temperatures, burning hours, energy consumption, etc.', says Jeroen de Jonge, Sales Director at Bever Innovations Industrial. **'As soon as someone enters the workshop, our luminaries switch on automatically up to a preset level, taking into account room temperature, daylight level and the applicable health and safety standards. Thermal shocks and voltage spikes are a thing of the past.'**

OPTIMUM WORKING LIGHT

What is special about this lighting plan is that 'the light is only on if you are present', he says. 'A marked improvement on the old situation, in which the light was on full power throughout the working day. The intelligent lighting will enable substantial savings to be made on energy too.'



However, more important for Boogert Service is the luminaries' reliability, he says. 'The existing fluorescent lighting was dated and required regular maintenance. What's more, at around 200 lux the light level was inadequate for optimum refurbishment, maintenance and new-build work. Our intelligent Luci Series Industry LED luminaries are great on all these fronts, with only half the previous power being used to generate twice as much light (400 lux). Thanks to the colour fidelity of the light, components are easily distinguished from each other. Thus enabling Boogert Service's staff to work better and more safely.' An additional benefit is that there is no longer any blocking of working light, because the new luminaries have been fitted not only to the ceiling but also to the 10-tonne and five-tonne overhead cranes.

AUTOMATIC DIMMING

If the temperature of the LED board exceeds 80°C, the Luminary Intelligent Protection System will automatically be activated to reduce the lamp's temperature. In addition, the luminaries feature a Light Normalizer that continuously measures reductions in light output and, if necessary, automatically compensates for them.

Bever Innovations took care of the design, supply and commissioning of the Luci Series Industry LED luminaries. Boogert Service enlisted the services of an external installation engineer to have the luminaries installed, which was also the case for the 25 LED luminaries (500-700 lux) that have now been fitted in a second workshop.

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ADVANTAGE

Energy saving:

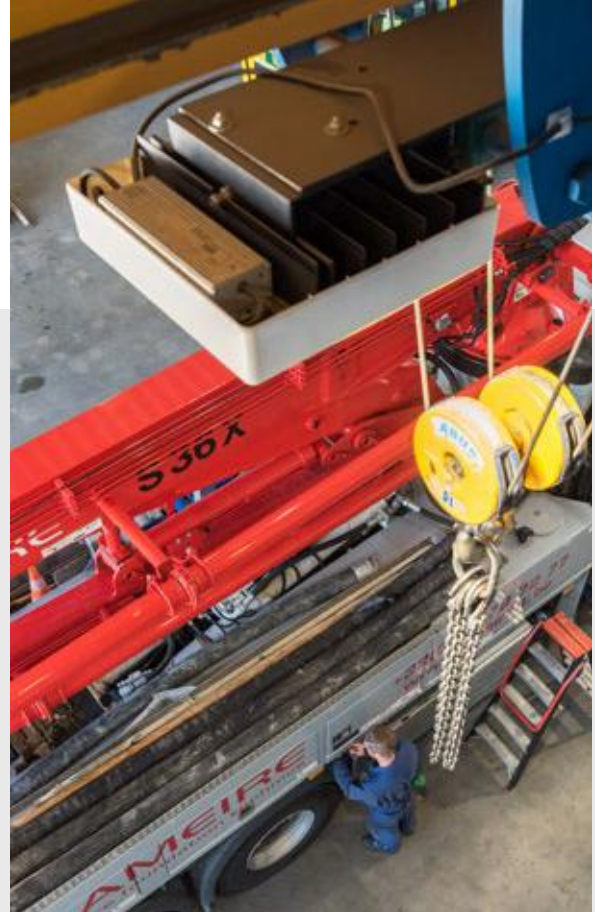
The lighting is only on when and where it is needed.

Optimum working light:

Thanks to the colour fidelity of the light, components are easily distinguished from each other.

Automatic dimming:

If the temperature of the LED board exceeds 80°C, the LIPS will automatically be activated to reduce the lamp's temperature.



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