

CASES  
027

## Growing number of rail facilities illuminated with AAA-LUX LED

# Reducing cost while improving economic growth

A growing number of national rail operators all over Europe run smooth and efficient operations by selecting AAA-LUX LED technology to illuminate their facilities and marshalling yards. In doing so, they also reduce costs and improve productivity.

Although trains run along tracks, good visibility is essential for both the train driver and people close to the track. Having to stop an 80 ton locomotive in an emergency will require some distance to come to a standstill. The earlier the driver is able to detect possible danger, the earlier preventative action can be taken.

Operators of railway facilities also prefer LED technology as it requires significantly less

Slovakia have since followed suit. "The railway has become an important prerequisite for economic and social development in both Slovakia and the Czech Republic," says consultant Zbynek Babicek of Abatec. "Both countries have identified the rail infrastructure as vital to provide access to the European trade market and capitalize on the touristic attractiveness of both countries."

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maintenance. As maintenance activities require a complete shutdown of the facility, in accordance to health and safety instructions, a reduced need for maintenance will also increase productivity.

The Dutch national rail transportation board became in 2013 the first to accept AAA-LUX LED technology. "Safety and economic reliance aspects were essential elements in the selection of the illumination solution," the consultant said when he explained why AAA-LUX had been the preferred choice. The operators of the rail infrastructure in both the Czech Republic and

## Stringent tests

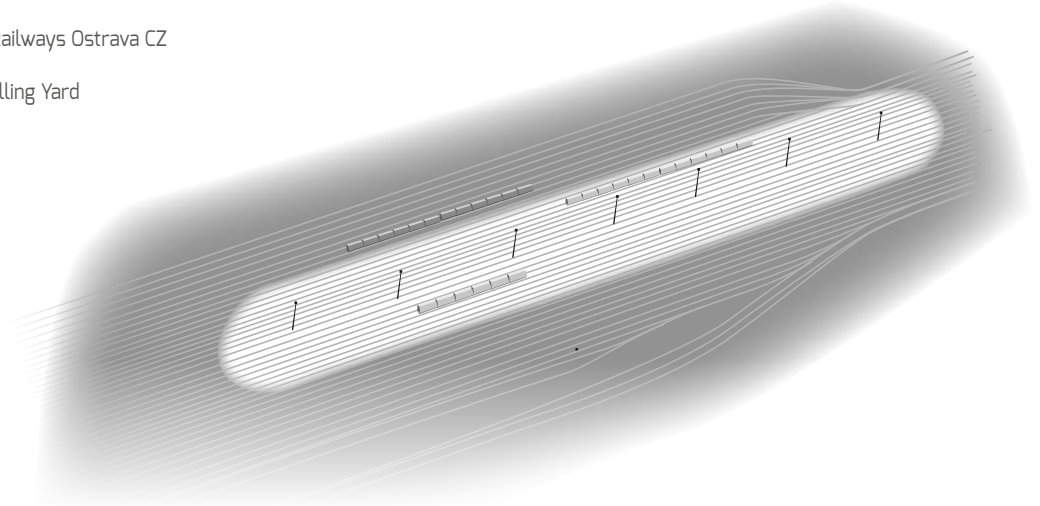
Having large organisations like national railway operators accepting new technology is an achievement by itself. "These organisations prefer tried and tested technologies. Downtime or going around by trial-and-error is simply something they cannot afford. To them, there is too much at stake," Babicek continues. With trade between Russia and Western Europe growing at rapid speed the increase of freight by rail through both countries is increasing annually. "Being able to operate the facilities as much and as often as possible has a huge impact on the profitability of the railway network hence durability and reliability of the AAA-LUX LED technology was a prerogative for the operators to approve the technology."

## Installation details

### Light plan

Czech Railways Ostrava CZ

Marshalling Yard



### Led Luminaires used



14 x **AL 180**

Illumination level:  
20 lux, 0.4

More information:  
<http://www.aaa-lux-lighting.com/products/al-serie-luminaires/>



### LCMS

**Next phase**

AAA-LUX  
project partner



Abatec