



COPENHAGEN MALMÖ PORT



CMP Operations Technical Martin Bajda Appel and Brighter Group CEO HC Christensen at Prøvestenen in Copenhagen

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CMP and Brighter Group partner for Smart Terminal Light Solutions

CMP is collaborating with the intelligent lighting solutions provider Brighter Group LED to replace streetlights, initially at the busy roads of CMP's liquid bulk terminals at Prøvestenen in Copenhagen.

Twenty-five light fixtures have been replaced in May 2024 with new efficient LED lights equipped with sensors and a data connection, as part of an initial phase. The new light fixtures have been specially coated to provide protection so that they will be able to withstand the harsh salty and windy

conditions at the port. The fully replaceable light sources will have a useful life span of more than 100,000 hours.

Not only will the light quality be significantly improved, but the high efficiency will mean energy savings approaching 80% compared to existing fixtures. Preliminary data from the first weeks of operation already reveal initial savings of more than 60%. In addition, intelligent sensory and remote control possibilities will ensure that the lights are dimmed when no traffic is present while the collection of important traffic data is transmitted to facilitate lightning control and analysis.

“We regard this project as important in its own right, not only improving conditions at one of our busiest terminal roads, but also as a key step into further optimising our lighting infrastructure for energy efficiency, quality and intelligent control and proactive use of data,” comments Anders Jönsson, CMP’s Infrastructure Manager.

The project is included in a working partnership with the Technical University of Denmark (DTU) and the Municipality of Copenhagen. The aim of this is to crunch data originating from the road lighting fixtures, for the purpose of determining possible uses of artificial intelligence (AI) to anticipate traffic patterns and plan maintenance of roads, among other potentials. In this way, sensor data from light posts crossed with meteorological data could help take anticipatory action for road works, to save energy and reduce congestion at our terminals.

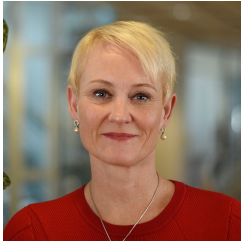
“The collaboration is an ideal combination of on the one hand hands-on experience with intelligent road lighting from Bright Group LED and a large installed base within the Municipality of Copenhagen, and the agile and innovative approach from CMP on the other”, says HC Christensen, CEO of Bright Group. “Having the integrator and expert role in this project, enables us to challenge both the current state of the art, as well as broaden the application possibilities far beyond what one has seen in the sphere of smart cities so far.”

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