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4

Foundry Corporate News

05. May 2023

LIGHT IS MONEY - HIGH SAVINGS OF ENERGY AND CO2

With its services, CONLED was instrumental in bringing lighting contracting to life and is now one of the market leaders nationwide.

Pressemitteilung | Reading time: 5 min | Bildquelle: CONLED Lichtcontracting GmbH

Essentially, CONLED deals with the energetic refurbishment of conventional lighting systems, which are replaced by customized, highly efficient LED lighting systems and remains the owner of the systems itself.

All investments necessary for LED lighting, from planning to ready-to-use installation, as well as all maintenance, replacement investments and operational risks, are fully taken over by CONLED and secured by the contracting. "The contractually guaranteed energy savings are usually significantly higher than the low monthly fixed contracting rates" explains managing director Jandirk H. Ebel. "In contrast to leasing and financing models, we supply our customers with light and guarantee the appropriate illumination over the entire contract period."

The family-owned company from Bremerhaven is the first company from the maritime city to be among the winners of the Top 100 innovation competition for medium-sized companies from Germany.

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"Especially for energy-intensive companies, high energy savings and CO2 reductions can be achieved. This leaves our customers' creditworthiness untouched and increases their liquidity," says Ebel. “

Customers pay a fixed fee, known as the contracting rate, for ten years for the new lighting. In return, CONLED replaces luminaires, cleans and maintains the system. CONLED guarantees customers not only the agreed lighting output according to the ASR, but also the calculated electricity savings.

Luminaires from a wide range of manufacturers are used. "We are involved in a laboratory and have every luminaire checked - 80% deviate from the manufacturer's specifications," says Ebel. "This check is important because we guarantee the lighting pattern according to the workplace directive."

CONLED provides a detailed analysis of the lighting situation and potential savings free of charge.

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"As an innovative company that is always developing and growing, service to our customers always comes first. Since lighting contracting is subsidized by BAFA, we take care of the complete application process and pass on the non-repayable subsidies to our customers 1:1," says Ebel."



From left to right: Sachse Guss Hall 9 before and after Lightcontracting

The list of well-known CONLED customers is long: in addition to the Lloyd shipyard, the Lürssen Group, Fassmer, Blohm + Voss, Frankenguss, and many more. Sachse Guss is currently retrofitting the entire site with CONLED and will generate savings of 28,020,693 kWh and 13,282 t of CO2 over the 10-year period in Chemnitz by retrofitting the entire site.

In the future, the ArcelorMittal plants in Bremen and Eisenhüttenstadt will be equipped with modern LED lighting throughout the entire site, thus achieving significant energy and CO2 savings. In addition, optimum lighting will improve the quality of visual performance and thus enhance occupational safety and the well-being of employees. Both sites signed corresponding contracts with the company CONLED Lichtcontracting GmbH from Bremerhaven.

Especially for companies in continuous and three-shift operation with high energy costs, the refurbishment is an important and worthwhile investment that also has a positive impact on the environment. According to initial forecasts, the savings from the conversion of the entire plant in Bremen are

likely to amount to around 9,000 metric tons of CO₂ and 18 million kWh of electricity per year, while values of 12,000 metric tons of CO₂ and 24 million kWh of electricity per year have been calculated for the Eisenhüttenstadt site.

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"In terms of decarbonization and our sustainability strategy, we are pursuing several goals. Good lighting is also a set screw with which we ensure ergonomics in the workplace: we continue to adapt working conditions to people. In CONLED, we have found a partner with the experience and expertise to equip our plants with forward-looking lighting technology," says Reiner Blaschek, CEO of ArcelorMittal Germany.“

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"Operating a steel mill is predestined for conversion to LED lighting. The lighting is in operation virtually non-stop, and the power requirement with the previous lighting is correspondingly high. Based on our contracting agreements, the savings are higher than the monthly costs. Economically, this is a very sensible solution that is also environmentally friendly," says CONLED Managing Director Jandirk H. Ebel.“

The conversion time for both plants is estimated at three to four years. The size of the two sites poses a particular challenge. In addition, the lighting installations are mainly carried out during regular operation. CONLED guarantees better lighting conditions after the installation and takes over the regular maintenance. The goal is to save as much energy as possible by replacing the luminaires and using sensor technology, while at the same time providing the best possible illumination of the production areas. CONLED relies on selected LED luminaires from renowned European luminaire manufacturers. The redesigned lighting is intended to provide a better and safer working atmosphere, especially during shift operations.

Anzeige



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