



## Finnish LED tubes withstand even the most demanding conditions

Today's LED tube markets are a jungle of manufacturers and suppliers. Most LED products are imported from China or South Korea – but there are exceptions. The Finnish LED tube manufacturer Valtavalo has been called the miracle of Kajaani, its northern home town.

Its success is based on outstanding quality and the markets' longest service life, 125,000 hours. Thanks to its significant energy

savings and low installation and maintenance costs, the total cost of ownership for Valtavalo's G4 LED tube is the lowest in the markets.

The Swedish iron-based metal powder manufacturer Höganäs AB chose Valtavalo's products after testing LED tubes from several suppliers, and is now a happy customer.

The first tubes installed in Höganäs facilities in February

2013 were of the older G3 type with an average service life of 50,000 hours (Ta25°C), which is much shorter than the average service life of 125,000 hours of the more advanced G4. The G3 tubes were installed in the crushing plant of Höganäs, where they keep the facility lit 24 hours a day at a temperature of 40–45°C. In summer, the temperature in the crushing plant may even rise up to 60°C.

Peter Struwe, who is in charge of energy consumption at Höganäs, tells us four years later in spring 2017 that of the seven thousand Valtavalo tubes originally installed, only a few individual tubes have been replaced during that time. Replacements had been frequent before starting to use Valtavalo's tubes. "We have achieved significant savings using Valtavalo's LED tubes. They are able to withstand the high temperatures and vibration at the crushing plant, which caused problems with other tubes that we have tested", Peter Struwe says.

"The quality of Valtavalo's products is guaranteed by the fact that they are manufactured in our own production facility. Only high-quality components are used in our LED tubes, and each tube is carefully tested", says Matti Tossavainen, Sales Director of Valtavalo.

The assembly line includes an integrated and fully automatic testing unit, where all essential electrical and illuminance values are measured for each manufactured tube. Individual measurement results are saved in a database according to the serial number and the QR code printed on the product.

"Our LED tubes are able to withstand even the most challenging conditions. We give them the longest guarantee on the market, 7 years. Our customers can rely on the quality of our products", Tossavainen continues.



 **valtavalo**