

# PAINTING METAL newsletter

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Photograph by Atlas Copco

## The customer is the key



Customer-oriented thinking is an essential part of Teknos' approach. Through its customers, Teknos has grown from a paint manufacturer on the domestic markets into an international player. Several of Teknos' key customers now make products in growing markets for growing markets.

Understanding the needs and demands of our key customers helps us to serve all of

our customers more effectively.

All of our customers can trust in Teknos being a reliable international supplier of paints, which can meet their requirements in terms of quality, production processes and profitability.

 **Lassi Tirkkonen**  
 Group Senior Vice President  
 Metal Paints and Coatings

# The most eco-friendly refurbished office building in Norway

The Norwegian Directorate of Taxes has moved into completely refurbished offices at Helsfyr, the façade of which has been painted with high-quality INFRALIT powder coating.

If you drive past Helsfyr, it is hard to miss the fully refurbished buildings that the Norwegian Directorate of Taxes and Norwegian Tax Administration's IT and service partners have moved into. The architects LPO worked with Entra on the project to transform the buildings into chic offices that are geared around modern work processes.

## Eco project

Very early on in the design phase, it became clear that the project was to be an eco project.

It meant that the various companies and subcontractors involved had to commit to

an eco-profile that focused on recovery, recycling and environmentally friendly processes. This was a huge undertaking, which meant that external experts had to be called in, and required companies to increase their own level of expertise, and wherever possible to use innovative solutions that could make a positive environmental contribution.

Some targets were clear in the early stages, and one of them was that the building needed to achieve a Class B level in terms of the new regulatory requirements of the Norwegian Energy Act. Now that the project is completed, it has become apparent that it has surpassed that level. The build-

ing will satisfy a passive building standard, and will achieve Class A. In 2013, this has become the most environmentally friendly refurbished office building in Norway, and has being described as one of the most significant eco projects in Norway this year.

The façade will always be important for a building of this size. This is even more so in this case, since it is next to an extremely busy road and is passed by many people every day. This has also turned the project into something of a 'showcase project'. The façade will be seen by a great many people, and hopefully most of these will regard it as different and exciting.





**Powder-coated façade plates**

About two years ago, Norsk Pulverlakk AS received an enquiry from Blikkenslager Warmbrodt AS, proposing the company as a partner and co-supplier of the powder-coated surfaces for these buildings. It was an assignment that became an enormous and exciting project.

The façade plates used in the project are recovered aluminium. The colour was not chosen at random. This was a process that took six months, during which time Norsk Pulverlakk AS, Teknos Norge AS and LPO architects worked very closely together.

The final choice was metallic effect powder coating based on RAL 9003 white, with

gloss finish 30. For this project, about 20,000 square metres of external wall surface were to be painted. In addition, there were about 5,000 square metres of aluminium plates for window fittings and other customisations.

**Challenging atmosphere and structure**

There is high particle pollution, high CO<sup>2</sup> levels, occasional high humidity, varying temperatures and occasional high concentrations of salt. In cases like this, it is important to be familiar with every stage of the process, from plate processing, mechanical and chemical pre-treatment to the high quality powder coating itself.

To make the process even more difficult, the façade plates that were chosen were not

homogeneous, and they were embellished with an irregular pattern of holes. In that respect, powder coating was the most technically functional solution ensuring extremely smooth finish throughout.

When powder coated items are heated in the oven, the powder melts and cures. During the curing, the paint film attains its final properties. Chemical bonds are formed in the polymer, resulting in a layer that is homogeneous and highly durable after curing.

 **Kjetil Momrak**  
Managing Director, Teknos Norge AS





In June, Teknos participated in the Moscow International Oil & Gas Exhibition MIOGE. On the photograph from left to right; Nikolay Moskalenko from Isolux, Alexey Panov from Teknos and Dmitry Mesheryakov from Povolzhe-Stroy.

## TEKNOS at KIOGE Exhibition

Teknos will participate in the KIOGE Exhibition in Almaty, Kazakhstan on 1-4 October.



KIOGE is the major "Oil and Gas" exhibition and conference event in Kazakhstan and the countries of the Caspian Region. It brings together thousands of scientists, technologists and managers from all sectors of the oil, oil refining, petrochemical and gas industries, and from companies involved in the transportation of oil and oil products.

For further information: [www.kioge.kz](http://www.kioge.kz)

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