

# Application Success Stories

## Hydal AS Norway



Production Optimization



Increase Productivity



High-quality powder coating

# Application Success Stories

## Installation Key Data

**Parts:** Electrical cabinets

**Parts Size:** H 2000 mm  
W 800 mm  
L 1000 mm

**Conveyor speed:** 2 m/min

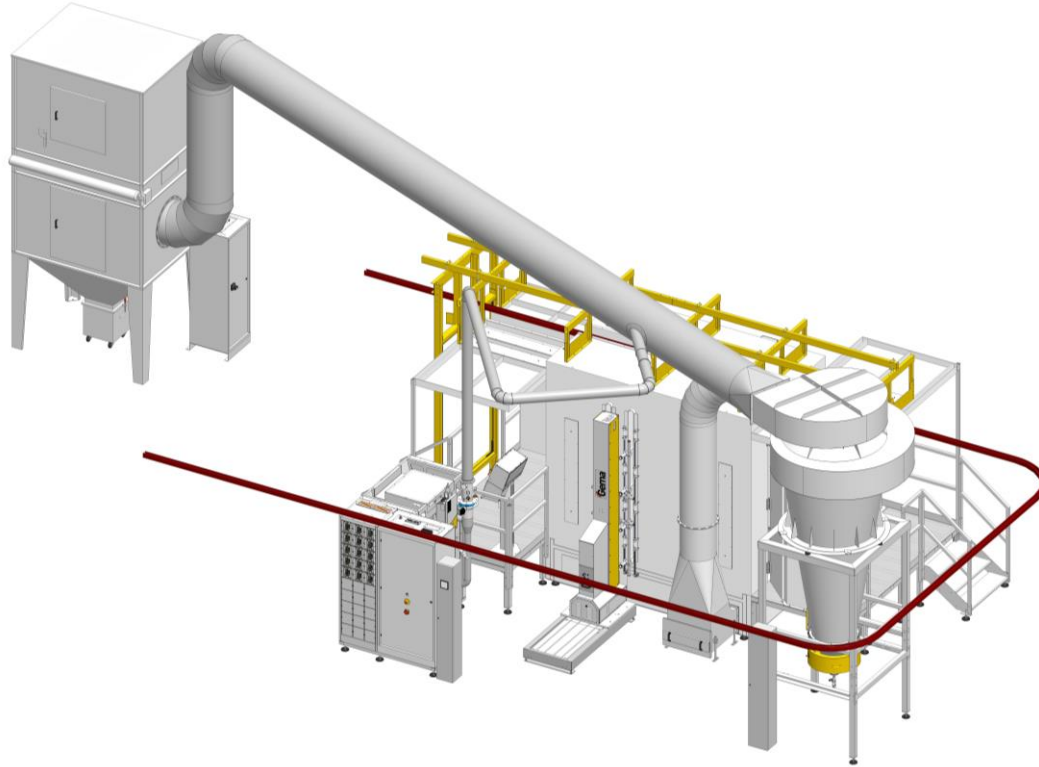
**Scope of delivery:**

- 1x MagicCompact® EquiFlow® BA04 booth
- 1x OptiCenter® OC08 powder management system
- 1x MagicControl 4.0 (CM40)
- 10x OptiStar® 4.0 (CG20) control unit
- 8x OptiGun® GA03 automatic guns
- 2x OptiSelect® Pro (GM04) manual guns
- 10x OptiFlow IG07 injector
- 2x Reciprocators ZA07-18
- 2x XT10 horizontal axis
- Cyclone EZ05-16 and filter 16'000 m<sup>3</sup>/h
- 1x Transfer pump OptiFeed PP06
- 1x Fire protection system STS



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## Layout



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## Company Profile

Hydal designs and manufactures aluminium cabinets and kiosks, control desks, racks and air condition solutions in close collaboration with customers. Their products are characterized by flexibility, design and high quality.

The company deliver cabinets that will be used in demanding environments, which requires the best form of pre-treatment and powder coating. They are conscious of their surroundings, and both pre-treatment and powder coating are carried out in an environmentally friendly manner.

## Company expectations

The approach is to mainly coat products automatically, and use touch-up to finish the large and complex parts.

Hydal is looking for a new process line to upgrade the old facility, and be set up for the coming years regarding production quality and efficiency. They wanted easy access for manual touch-up, due to the complex parts, and the growing size of the cabinets. A good powder recovery system was on the list too.

## Keys to success

We got a tailor-made Gema coating booth, that perfectly suited our needs and our facility. We also received thorough training from Gema personnel, which minimised downtime during commissioning.

The results have been about 25% decrease in manual touch-up and 30% increase in productivity. The support from both local and international Gema personnel has been invaluable. Powder costs have been reduced by 10% due to increased coating efficiency and the powder recovery system.