



Fully-automated paint manufacturing process

Jotun develop, produce and sell cost-effective paint and coatings products, and provide customer service and technical support, to residential, marine and industrial markets worldwide.

When Jotun modernised one of its Norwegian production plants, it chose a system based on Proficy™ Batch. The fully-automated plant manufactures as much as a plant with five times the labour force.

Jotun is a Norwegian Group with 4,500 employees and 36 production plants in Europe, the Middle East, Southeast Asia, Australia, South Africa and the USA. The Group has an annual turnover of about NOK 5.5 billion.

“Our largest product area in the Scandinavian countries is decorative paints - interior and exterior house paints,” says Jan Lorentzen, Senior Engineer in charge of evaluating and buying automation services. The decorative paint segment answers for most of the turnover in the Middle East as well. We are the market leader

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Jan Lorentzen, Senior Engineer, Jotun

in marine coatings for the shipping industry in the rest of the world.

There are four production plants in Norway, two of which are in Sandefjord, home to the Group’s head office. One of the plants in Sandefjord, Vindals plant, was converted a few years ago into a fully-automated batch plant, built around Proficy™ Batch.

“The operators run the entire pro-

duction process from a control room,” explains Jan Lorentzen. No one is present in the rooms where the paint is manufactured. Production is recipe-controlled, and the recipe for each batch is transferred from a master database. Novotek not only supplied the software for the batch system at Vindals plant, but also handled all programming and commissioning.

TWENTY CAN DO THE WORK OF ONE HUNDRED

At the Vindals plant, 12-13 million litres of paint are manufactured every year, and about 20 people work at the plant. Compare this with the second plant in Sandefjord, which is not as automated and manufactures several products which, in terms of volume, correspond approximately to the same volume of paint but require about 100 employees.

“Full automation allows a small staff to handle production,” notes Jan Lorentzen. The Vindals plant manufactures large batches every time, and



this batch system has proven to be quite profitable. Proficity™ Batch is used as a control system that is part of a master system and is integrated with, among other systems, Jotun's business system. Raw material status reports are produced continuously, for instance, which makes things easier for the procurement organisation.

LONGSTANDING PARTNERSHIP

Jotun's partnership with Novotek began back in 1988. Today, the company has software units from Novotek at several production plants. In addition to Jotun's plants in Sandefjord, Novotek products are used in Frederikstad, Dubai, Thailand and at the plant being built on the outskirts of Shanghai in China.

"The main reason for using Novotek as our supplier so often over the

years is their ability to understand our needs and collaborate," concludes Jan Lorentzen. "Obviously Novotek's products are good, but the deciding factor is the people at the company - their flexibility and customer orientation."



For more information on our smart solutions, please visit our website www.novotek.com

SUMMARY

COMPANY

Jotun

SOLUTIONS

Automation solutions

- S88 batch execution
- Business system integration
- HMI/SCADA

PRODUCTS

- Proficity Batch
- Proficity iFIX

BENEFITS

- Fully automated S88 batch production
- Recipes stored in database
- Production tracking and tracing
- Raw material status reports
- Integration with business system
- Produce five times as much per person