

SCALABLE AND FUTURE-PROOF SOLUTIONS



BILFINGER

When Cargill's Cocoa & Chocolate division updated its production capacity in Mouscron, Belgium it called on

Bilfinger Tebodin's expertise to analyse and optimize their cold and warm water distribution systems.

The solution is innovative, future-proof and scalable.

The Mouscron facility processes dark and milk chocolate in liquid and solid form for manufacturers active in confectionery, biscuits, bakery, ice-cream and artisanal applications. Through an investment of €12 million, Cargill aims to further enhance and expand its chocolate capabilities at its European knowledge center for the Cocoa and Chocolate division.



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Cargill consulted Bilfinger Tebodin in 2017 to optimize the warm and cold water systems on this specific capacity extension. Project manager Jan Vermeulen: "We helped the client to understand how their current system works and to identify improvements. Our solution was to optimize the cold water distribution based on separating generators and consumers via a stratification tank system. This solution not only stabilizes the system, it allows for more thorough and detailed optimization."

ADDED VALUE AND EXPERT SUPPORT

Sebastian Bariseau was the senior project engineer for Cargill: 'Bilfinger Tebodin provided engineering services for the utilities part and coordinated cooperation between all partners during design and the construction. Bilfinger Tebodin proved to be a good partner to help us manage the project and its strict timeline. They added value by proposing some useful routines, and lead engineer Jan Vermeulen managed the contacts with the partner piping company very well.'

Jan Vermeulen: 'We were working to a very tight deadline from April to December 2018. That was quite a challenge: the Piping and Instrumentation diagrams of the existing system were still being prepared when

the project launched. Close collaboration with the client and support from expert colleagues on cold generation and distribution in our Schiedam office in the Netherlands ensured that we completed the project on time.'

FRAMEWORK AGREEMENT

This was Bilfinger Tebodin's first project at the Mouscron location as part of its framework contract for engineering services for the EMEA region. Cargill's preference for a framework agreement is based upon their strong focus on continuous improvement on performance. By defining performance and efficiency targets in a framework agreement, they aim to reduce lead-times and cost investment levels (achieving industry benchmarks) and to raise the bar on safety and quality.



Hot and cold water distribution system for the equipment used to distribute liquefied chocolate.