

First ethanol produced in the new Cargill plant



AFTER A CONSTRUCTION PHASE OF APPROXIMATELY ONE YEAR, THE NEW ETHANOL PLANT OF CARGILL IN BARBY, GERMANY – DESIGNED BY TEBODIN – WAS PUT INTO OPERATION. TEBODIN WAS RESPONSIBLE FOR ENGINEERING, PROCUREMENT, CONSTRUCTION- AND PROJECT MANAGEMENT OF THIS LARGE PROJECT.

The plant produces premium ethanol, better known as food-grade alcohol. The new plant allows Cargill to expand their ethanol expertise in Europe and serve their customers better throughout the region. The premium ethanol is destined for the German and European cosmetic, beverage and pharmaceutical industries. Through state-of-the-art innovative technology the ethanol will be primarily produced by using feedstock from the adjacent wheat facility, which primarily uses locally grown wheat. Ethanol of this guaranteed high quality, provided by a trusted supplier as Cargill, is sold at competitive prices. Efficient production is therefore important and achieved by applying smart process

technology and paying attention to the smallest details.

One single operator

Automation is key to produce efficiently at high product quality level. Tebodin Project Manager Mark Courage: 'Automation is the heart of a modern factory like this new ethanol plant. For the new plant with an annual production capacity of 50,000 m³, only one single operator needs to be present to operate it. The used process control systems have proven to be best in class with regard to operability, safety and reliability on international level. The high level of automation leaves less room for

human intervention and results in better product quality.'

Client integrated cross functional team

The optimal design is developed in close cooperation with the client, since shared knowledge and experience results in significantly better building, operation and maintainability afterwards. Mark: 'We know that even the smallest setback can have major consequences. For that reason we pay close attention to smart-from-the start engineering and 'first time right' principles. To perform accordingly, our multidisciplinary project approach with client integrated cross functional

teams were set up from day one. This approach places high demands on all involved, but it provides in the end the best results: with the close cooperation and dedication of the whole team, a state-of-the-art plant has been realized, which will operate for decades to come. A result the whole team is proud of'.

The new plant started production at the close of 2015. ■