

New protection products plant for Synthos - effective approach

SYNTHOS, ONE OF POLAND'S LARGEST MANUFACTURERS OF CHEMICAL RAW MATERIALS, IS BRANCHING OUT INTO THE MARKET OF PLANT PROTECTION PRODUCTS. BILFINGER TEBODIN IS CURRENTLY ASSISTING IN THE CONSTRUCTION AND COMMISSIONING OF ITS GREENFIELD FACILITIES ON AN EPCM CONTRACT. THE CHOSEN APPROACH IS PROVING HIGHLY EFFECTIVE WHILE SAVING TIME AND MONEY.

To give an idea of the complexity of this project, Bilfinger Tebodin's project manager Dominik Przybycień explains that no less than 40 different contracts with suppliers and contractors are involved. 'To mitigate the risk of this complexity, we divided the project up into stages. Also, by doing the entire design with the use of BIM technology, we encouraged all parties to work in a uniform way. This greatly improved communication and reduced the number of commonly occurring issues by approximately 50%.'

Early involvement

The plant, which is scheduled for completion soon, has been partially operational since the start of the

year. 'This too is the result of the efficiency of working with BIM,' says Dominik. 'The schedule was tight, but we have been able to work closely together with the client from the earliest stage. This, together with the easy visualization of designs in BIM made it possible to quickly reach agreement on design solutions and cost estimates.'

Thanks to systematic BIM 3D design reviews and clash detections Bilfinger Tebodin saved time and money during the construction. 'I can honestly admit that implementation of BIM in our office has just paid us back; no major coordination issues on site detected' says Michał Barański, Bilfinger Tebodin Engineering Director.

Synthos's new production facility for plant protection products comprises three buildings. The main one (10,800 m²) is used for storage, production and packaging of the finished product (liquid and granulated in bottles, bags and so on). Two smaller buildings will house the R&D and other support functions of the new business line.

A further advantage of the approach manifested itself during the procurement stage: the clarity and thorough preparation through BIM technology, and undertaken procurement strategy, made it possible to reduce CAPEX to 85% of the original estimate, due to smooth negotiations with contractors and suppliers.

Ready to enter a new market

'Bilfinger Tebodin has proved a valuable partner throughout the process,' says Mr. Jerzy Iwasieczko, Synthos's Director of AGRO Projects. 'With plant protection products we are entering a new market with good growth potential, both in the Polish market and across the border. As an investment, this new facility is of great importance for our business. As our EPCM contractor, Bilfinger Tebodin has clearly proved its worth in managing the tight schedule. From the word 'go' they have been in control of the process, which has resulted in savings in terms of time and money.' ■

