

CLIENT

Project: HESSING SUPERVERS BV

Location: Sevenum (Venlo)

Category: Fruit and vegetable processing



Hessing BV - a company involved in the food industry, specialising in fruit and vegetable processing for more than 50 years. Their main idea is to process fresh raw materials (washing, slicing and packaging) into vegetables for direct cooking, as well as finished vegetable and fruit salads. The company is a supplier to supermarkets, fast food restaurant chains, as well as catering companies serving airlines, among others.

Hessing BV is present in the Netherlands, Germany, Denmark and Belgium. In 2021, it took steps to build a 'factory of the future' located in Zwaagdijk in the Netherlands, in the Greenport Venlo area in the province of Limburg. In 2023, the new production facility was handed over for commissioning.

The new factory allows the company to use automated processes, with the intention of being able to process 320,000 kilograms of vegetables from more than 850 different vegetable products each day (on a total of 100 production lines).



CHALLENGE

Production and installation of more than 2 km of channels 1,300 mm deep and 600 mm wide.

The main assumption: the water must flow through the drainage system along with all the waste produced during the processing of fruit and vegetables. This waste must remain in a hygienic environment, due to its reuse and further processing.

PROBLEM ANALYSIS

The production and installation of the non-standardised drainages was analysed and planned in detail by the engineering and technology department. As is always the case with this type of project, technical drawings were drawn up assuming all the customer's requirements. The action plan and drawings were then presented to and accepted by the customer. This allowed the production phase to begin. The project took three months to complete including assembly.

The drainage channels were made from 304 stainless steel, with a total of more than 40,000 kg of material used.

The production of the drainages required operations in accordance with the EHEGD (European Hygienic and Design Group) standard, which demonstrates the hygienic nature of the resulting elements. This was particularly important due to the presence in the channels of residues from the processing of fruit and vegetables, which in turn undergo a process of reuse.

ATT products are designed and manufactured in such a way that they are not susceptible to mechanical and thermal stresses. In the case of the implementation for Hessing Supervers, this protection is provided by filling the edges of the drainages with epoxy resin or with a solid stainless steel bar (both of the above types of solution were used in the individual ducts).

In accordance with the ATT standard, the drainages were fitted with flanges (bolted and welded on site) to provide additional strength and stability after the concrete has been poured.

All finishes have been pickled and passivated by immersion in an pickling bath - particularly important in terms of maintaining hygienic standards.

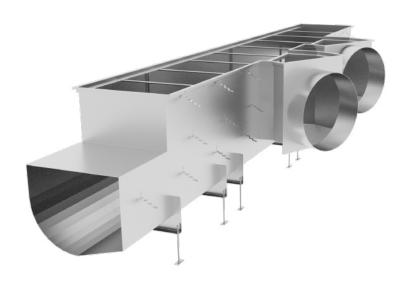




RESULT

The end result of the project is completely in compliance with the initial plan. The implementation time was maintained according to plan.

According to the investor, the cooperation was extremely successful, resulting in further orders for ATT in the continuation of the above project and the creation of the 'factory of the future' Hessing Supervers.



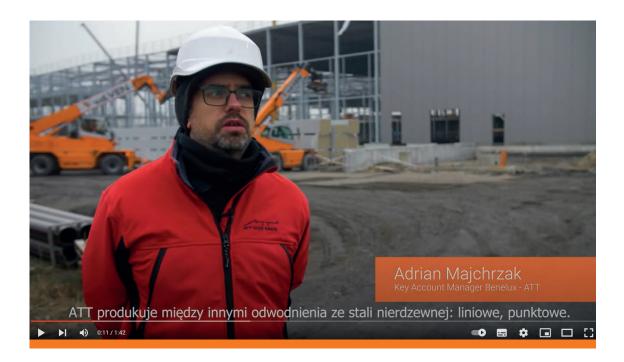


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MORE INFORMATIONS

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