



WERMA[®] *Success Story*

Safe signals in food industry! Innovotech optimizes production processes with LED signal tower „CleanSIGN“ from WERMA

The food industry places the highest demands on hygiene. This applies both to the employees working there and to the machines, systems and accessories used. The need for reliable hygiene standards and consistently implemented standards and guidelines is of enormous importance in this industry. This already starts with the design and planning of all machines, components and parts. It is precisely in this area that the Dutch company „Innovotech“ has specialized and established itself as an important solution provider of complete plants and machine lines.

Recently, Innovotech realized an exciting large-scale project for a company active in the food processing sector. WERMA signal devices were also used in this project: The LED signal tower CleanSIGN, which was specially designed and developed for use in clean rooms, as well as in the hygiene and food sector. It signals in the usual traffic light colors whether production is running smoothly and if there are any problems or malfunctions. A safe and clean matter throughout.

INNOVOTECH – COMPLETE SOLUTIONS FROM A SINGLE SOURCE

IJmuiden is the largest town in the Dutch municipality of Velsen in the province of North Holland and a major seaport in the Netherlands. This is where the innovative company „Innovotech B.V.“ has been based since 2019. The research and development company specializes in solving technical product problems, creating optimal production processes and realizing both special machines and complete production lines - from the first sketch to the last screw.

Especially in the demanding area of the food industry the company has its core competence: It supplies special machines and complete lines as well as high quality components and parts to manufacturers and processors operating in this specific food processing environment.

Frans Dobbelaer, co-director at Innovotech has 35 years of experience in the field of mechanical engineering and the realization of complex projects. Together with his colleague Rick van den Berg they manage Innovotech B.V. and work closely with a small specialized team of 5 people.



PEEL CRABS MADE EASY

A short time ago Innovotech realized an exciting large-scale project for a company operating in the food processing sector: Innovotech developed and designed a machine that fully automatically peels gray shrimps. In addition, the requirement had to be met to safely and reliably indicate malfunctions and stoppages with the help of a luminous signal - using a signaling device that meets the hygiene standards in this sensitive industry.



Enormously high hygiene standards apply in the food industry - the CleanSIGN LED signal tower meets these and safely and reliably signals the current status of the plant

Frans Dobbelaer and Rick van den Berg were faced with a major challenge, as several signaling devices had already been in use in the past and could not withstand the high requirements. The very intensive cleaning with high pressure and aggressive chemicals ensured that water penetrated the signaling device or it failed completely.

CLEAR SIGNALS TO INDICATE FAULTS

Rick van den Berg took up the cause and searched intensively for a solution, saying, „I found what I was looking for on the Internet and became aware of the CleanSIGN LED signal tower from WERMA!“

He adds, „I was immediately struck by the fact that this product was specially developed for the food industry and meets the high IP69k protection class - that thrilled me from the first moment.“ He ordered a sample and the product was put through its paces.

After successfully passing the first practical tests, Innovotech ordered the WERMA LED signal tower CleanSIGN. In the meantime, almost 90 pieces not only clearly and reliably signal the current status of the production line in the common traffic light colors of red, yellow and green, but also meet all requirements and standards. For example, the CleanSIGN has no uneven surfaces, grooves, elevations or seams where dirt could settle.

Rick van Berg tells: „By using the CleanSIGN, machine downtimes or malfunctions are noticed in time and a lot of money and time is saved because you can react immediately.“ He adds with satisfaction, „The cleaning-friendly design of the signal tower also significantly reduces the amount of cleaning required and ensures that dirt can be removed easily and without leaving any residue.“

The CleanSIGN's polyamide housing is FDA (Food & Drug Administration) approved and therefore food-safe and resistant to detergents and disinfectants. In addition, the connection

element of the column and the mounting bracket are made of a single casting. This avoids additional connection points where dirt can accumulate.

THE LED SIGNAL TOWER CLEANSIGN - A MULTITUDE OF REFINEMENTS

The CleanSIGN LED signal tower from WERMA has been specially designed and developed for use in clean rooms, as well as in the hygiene and food sectors. From the outset, the existing standards and guidelines were consistently taken into account, and experts and specialists in the field of hygienic design were consulted (e.g. TU Munich, Fraunhofer Institute).

This unique signal tower has no uneven surfaces, grooves or seams where dirt can accumulate. This prevents soiling and significantly reduces the risk of contamination. A 30° slope of the housing top and angle ensures that liquids drain off quickly, cleaning is fast, and it is easy to see.

Rick van Berg is enthusiastic and says: „The luminous signal tower safely and reliably signals the current status of the production line and meets all our expectations. Our customer is very happy and so are we!“



The LED signal towers clearly and reliably signal the current status of the production line in the common traffic light colors red, yellow and green