

# Grundfos pumps help to streamline production at the KRAŠ plant in Croatia

KRAŠ Food Industry d.d., located in Zagreb, Croatia, is one of the fastest growing businesses in the region. In recent years the company has invested heavily in improving production efficiency and product quality in order to reach the same level as its Western European competitors.

After a careful market study, KRAŠ Food Industry chose Grundfos as the supplier of all new pumps for their redesigned production facilities.

## The Situation

KRAŠ Food Industry d.d. is one of Croatia's leading companies in the food industry. The company produces chocolate, candy and a variety of biscuits. Currently the company employs nearly 2,000 people and has an annual turnover in excess of 107 million Euro.

In order to fully comply with the modern production methods required if KRAŠ wants to compete on the ever-expanding European market, it was necessary to upgrade the majority of the production facilities.

## The Grundfos Solution

Grundfos offers a very wide range of pumps suitable for industrial processes as well as building services. The KRAŠ plant comprises two TPK steam boilers with a capacity of 6 t/h and 4 t/h of steam respectively, both at 13 bar. The 6 t/h boilers operate with two Grundfos CR 8-140 pumps, while the smaller 4 t/h boiler operates with two CR 4-90 pumps. A highly efficient condensate system was fitted with two Grundfos CR 8-40 and two CR 5-5 pumps. The confectionary production requires totally clean water.

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#### LOCATION:

Croatia

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#### COMPANY:

KRAŠ Food

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In order to achieve this an RO-system was installed, featuring a Grundfos CR 16-120 pump.

A 3.5 MW cooling station operates with a total of 17 Grundfos pumps: five powerful NK 80-160 18.5 kW, seven LP 100-200 pumps, also at 18.5 kW, and finally five LP 80-160 pumps at 5.5 kW.

In addition to these industrial pumps, a number of UPS circulator pumps and other building services pumps were installed.

#### The Outcome

The outcome has been a noticeable improvement of efficiency and safety at the KRAŠ plant and a very substantial reduction in the energy consumption throughout the process line.

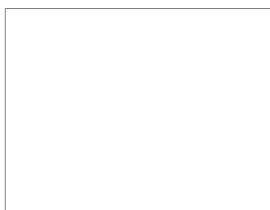
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