

CASE STUDY

Mars factory

Hungary

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Enhanced heat exchange and more cooling efficiency with the intelligent adiabatic **Smart Cooling™** system’s reduction of incoming air by a stunning **13°C**, at Mars plant’s cooling equipment.



MARS

SOLUTION

It took only five days to install the intelligent adiabatic Smart Cooling™ onto Mars plant’s Carrier chillers. Visible changes in incoming air temperature followed immediately.

RESULTS

Smart Cooling™ reduced the incoming air temperature to the condensers by a whopping **13°C**, improving heat exchange and efficiency at the cooling equipment.

Precise data on energy savings and cooling capacity are being collected and are expected to be published soon.

CHECKED AND TESTED FOR PROVEN RESULTS

Efficacy assessment has been conducted and validated. Testing was performed with BTU liquid flow and temperature meter RIF600 and Eniscope energy monitoring equipment.

CUSTOMER

Mars Inc. is a global manufacturer of confectionary, pet food and other food products. Mars is ranked as the 6th largest privately-owned manufacturing company in the USA and employs 100 thousand staff.

CHALLENGE

The main challenge at Mars Hungary’s vast plant was to ensure continual and stable cooling energy. Outdoor air temperatures during heat season can soar and chillers had to work at full power to maintain the right climate on the production lines.

Mars sought a solution to boost cooling efficiency with an environmentally-friendly approach.



COOLING CAPACITY INCREASED BY

↑ 21 %



ELECTRIC ENERGY CONSUMPTION REDUCED BY

↓ 23 %

ROI
12
MONTHS