

CASE STUDY

37.3% in 2 months!

How Krekenavos Agrofirma has cut their energy bills with DWEEN

Find out how much you can save



INTERESTED? CONTACT US
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CONTEXT

Krekenavos Agrofirma is one of the largest meat processing companies in the Baltic States, handling highly diverse product range. Production lines are supported by advanced refrigeration system.

PROBLEM

High electricity consumption of refrigeration system, inability to maintain performance under constantly changing production loads and seasonal fluctuations.

SOLUTION

Intelligent automatic control of refrigeration system resulted in efficient operation of all connected equipment and dramatic reduction of electricity consumption.

TECHNICAL DETAILS

REFRIGERATION SYSTEM

Ammonia qty	8t
Stage -40°C	2 compressors
Stage -10°C	3 compressors
Glycol stage	4 heat exchangers
Condensers	4 x 1.25MW

CONTROLLED TEMPERATURE ROOMS

Stage -40°C	10 chambers
Stage -10°C	62 chambers
Glycol stage	39 chambers

ADVANCED TEMPERATURE CONTROL

Air conditioning	+ 10°C
Ageing/ripening	- 6°C
Cold storage	- 20°C
Shock freezers	- 30°C

DIGITAL TWIN

CONTINUOUS MONITORING

Electricity consumption
Refrigeration system efficiency
Compressor station status
Predefined reports: hourly, daily, weekly, monthly

RESULTS

37.3% 489MWh 11%

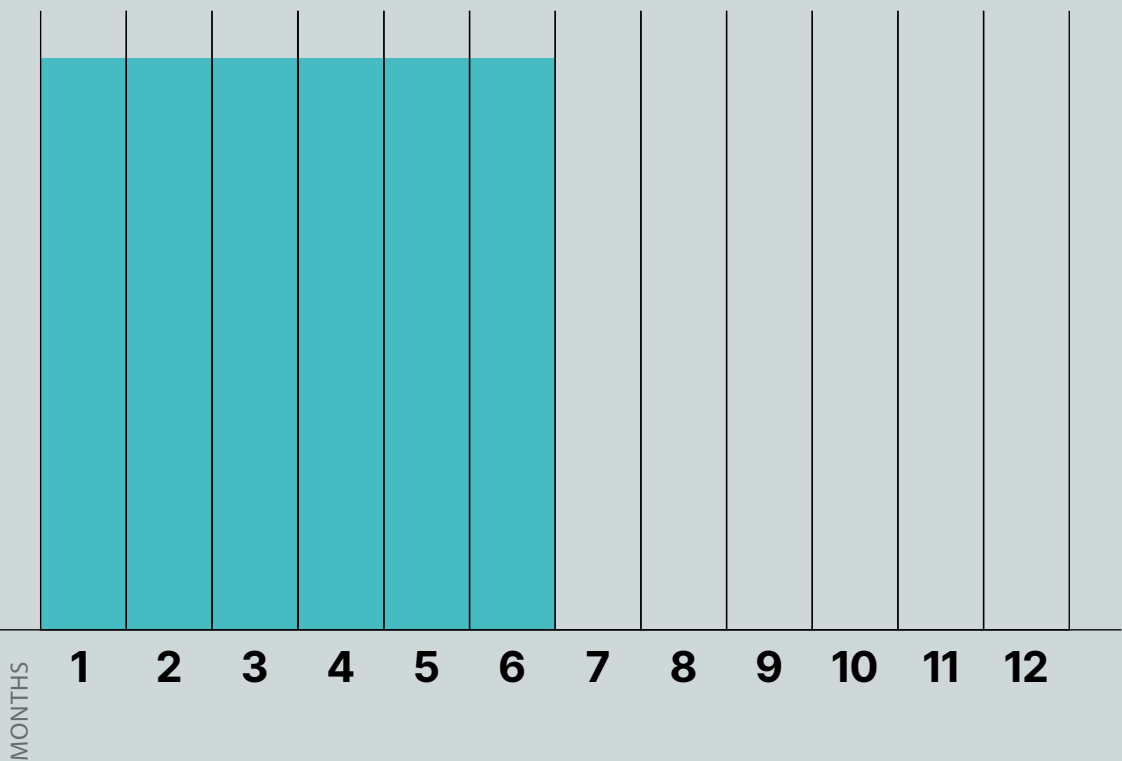
Savings on refrigeration system electricity consumption during first 2 months of operation (2022)

Reduction of refrigeration system electricity consumption during first full year of operation (2023)

Annual savings during first full year of operation (2023)

ROI TIMELINE

Promise to achieve ROI in 12 months, delivered in:



SET UP TIME

Without ceasing operations

4 months



Virginijus Dambrauskas

INNOVATION AND DEVELOPMENT
MANAGER

“Lazy savings”, because we do nothing! With the help of DWEEN Cold, we managed to reduce the energy consumption of our refrigeration plant without any investments into infrastructure or equipment.