

# FLOWBOX at Viscofan



## About the Company

Viscofan CZ s.r.o. is a leading manufacturer of artificial casings for the meat industry, headquartered in České Budějovice, Czech Republic. It is part of the international Viscofan Group, which operates in more than 100 countries worldwide and is the global leader in cellulose, collagen, plastic, and fibrous casings. The Czech plant is a key manufacturing and distribution hub within the group.

**>650  
employees**

**approx. 18 GWh  
annual electricity  
consumption**

**>100  
metering points**

**90% of  
consumption is  
electricity**

## Project Objectives

The primary objective was to identify and quantify opportunities for energy optimisation, with the aim of improving operational and production efficiency. Another goal was to establish a reliable data foundation for ESG and carbon reporting purposes.

## Implementation Steps

### Key Benefits



**Measurable energy  
savings, with 19%  
optimisation potential  
identified**



**95% of addressed  
consumption under control,  
with the system ready for  
further development and  
long-term monitoring**



**High-quality data  
foundation for reporting  
and decision-making**



**Improved operational  
and production  
efficiency**

1

**Deployment of the  
FLOWBOX system and the  
Data Intelligence module**

2

**Refinement of measurements  
and full mapping of  
consumption**

3

**Segmentation of energy  
consumption into logical blocks  
based on topology,  
technologies, and processes**

4

**Determination of savings  
potential for each block**

5

**Proposal of energy-saving  
measures, including impact  
simulations and return-on-  
investment calculations**

# The Role of the FLOWBOX System at Viscofan



## Assessment of Total Consumption Over a Period

Comparison of total consumption across individual blocks over time, enabling the identification of above-average energy-intensive areas.



## Dynamic Efficiency Analysis

Examines how consumption changes depending on load, helping detect inefficient use of resources when operating at partial production capacity.



## Capacity Reservation Efficiency Analysis

Evaluates whether the amount of reserved energy is proportionate to actual consumption, uncovering overplanning or unnecessary costs.



## Idle Consumption Analysis

Measuring consumption during idle periods reveals unnecessary losses caused by operating equipment without production activity.



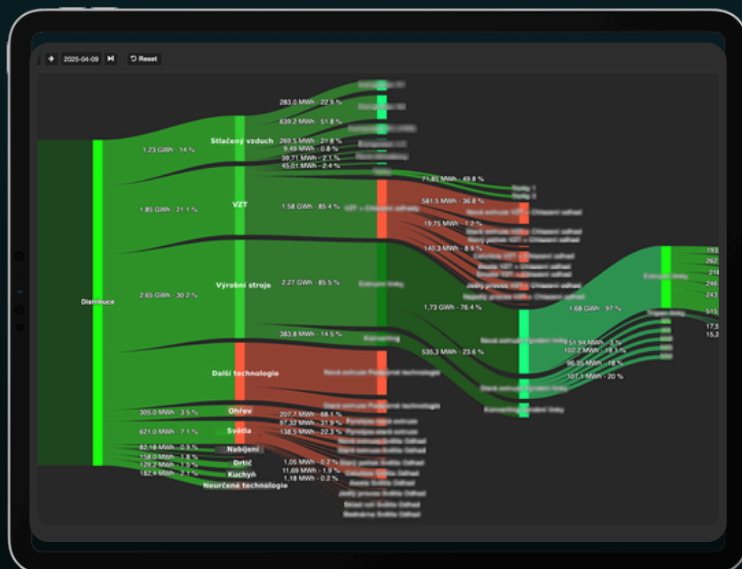
## Performance Benchmarking

Compares actual consumption with expected standards or optimal values based on the type of technology and process.



## Procurement Scheme Efficiency Assessment

Analyses the impact of the chosen energy procurement approach – for example, the effect of tariff selection, timing of energy draw, or the use of flexible pricing strategies.



## What Viscofan Says About FLOWBOX

*"We implemented the FLOWBOX system after thorough preparation and a comparison with competing solutions. We value its adaptability as well as the professional and responsive approach of the FLOWBOX team. As we gain more experience with its use, new opportunities for savings and optimisation continue to emerge."*

**Miloslav Kamiš**  
Managing Director Viscofan CZ



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