

# Do you want to develop new technology to reduce carbon footprint?

## VÖLUR

Völur provides tailored value chain optimization solutions based on AI for the meat industry. Helping customers create value by using less resources and getting the most out of every animal.

## THE PROBLEM WE SOLVE

The meat value chain is an extremely complex industrial chain, with trillions of possible production combinations at any given time. Each day, critical decisions are made to be able to satisfy current and future demand with the use of animals.

Because of the complexity in the value chain, especially driven from possible cutting and processing combinations, it has not been humanly possible to make optimal decisions. Leading to ineffective production, overstocking of materials, food waste, and utilization of more animals than what is required to satisfy market demand.

## THE SERVICE WE OFFER

With advanced AI technology developed by Völur, it is now possible to make optimal cutting and processing decisions, leading to value creation through a higher utilization of animals and available cuts.

## THE VALUE WE BRING

The effects from our system have already shown a 10% optimization performance, meaning our customers are able to utilize the animal in a more optimal way based on market demand.

This is leading to multiple beneficial outcomes, such as reduced purchasing, inventory and production costs, waste reduction and give the ability to gain an increased market share.

## INTERNSHIP CHALLENGE

### Challenge 1:

Create machine learning algorithms to help clean the data we receive from our customers.

This is an extremely interesting and challenging task and will contribute to significantly reduce Völur's time to market.

### Challenge 2:

Use machine learning to improve the forecasts we input to our system. We have an optimization system that bases its decisions on the forecast of several inputs. Based on the same available data material, we would like help to improve the accuracy and scope of those forecasts with machine learning algorithms.

## AVAILABLE DATA

### Data material - Challenge 1:

We receive large amounts of data that gets pushed from our customers data system. This needs to be cleaned and adapted to Völur's data model.

### Data material - Challenge 2:

We receive large amounts of data that gets pushed from our customers data system. This data material can be used to improve the forecasts using machine learning.



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