

## Master's Thesis Project

# Data Analysis of Workflow Processes at



## Project Overview

Metec is a production company with about 170 employees, producing a large number of different metal parts. 30 of the employees are engineers from different fields with a bachelor's or master's degree. The production facilities of 22000 square meters are



located in Tartu. The company has annual revenue of 17 million Euros, 95% of the products are exported. The main export markets are Sweden, Germany and France.

## The Task

More than 10,000 objects move over the production area between machines, according to a master production plan. Sometimes, workers have to wait before they receive the components of an object they are to process. In this thesis project, code is to be developed which **visualizes and improves** the movements of objects, with the goal

of identifying bottlenecks. For that it is necessary to combine several sources of data, in a smart way to make the best use of them.

## We are looking for a student

If you are a highly motivated student, who wants to develop and apply his algorithmic and data analytics skills in an actual industrial collaboration, please contact us ASAP!