Master’s Thesis Project

Data Analysis of Workflow Processes at Metec

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!