# Anomaly detection platform across all products

Lundbeck produce around 2500 batches a year, spread out over around 50 products. For each product there are 60-70 datapoints that are collected and stored. It is a huge job to go through all the product parameters manually to look for parameters that are going in a wrong direction. If this process could be automated, it would improve efficiency of production greatly. There already exists AWS data lake and an VUE application to display all the production data in a structured way. Therefore, it is an extension of this platform Lundbeck is looking for.

## Engineering challenges to be solved

Implementing a solution that can be used with the already existing data platforms, to map the parameters on which the production depends. The solution should be able to alert when anomalies of the parameters occur, and map and spot trends in these anomalies.

## Engineering backgrounds needed

Data and software engineers, as well as engineers familiar with production processes, and possibly engineers familiar with the pharmaceutical industry.

## Goal of the project

To obtain a platform where anomaly detection and mapping of parameters is automated, to alert when the anomalies of the parameters are detected. This will make production more efficient, save many batches every year and reduce production costs significantly,