

suitable suggestions on what the issue might be.

This can lead to a production line running and producing non-sellable goods. Not only is the raw material wasted, but also huge amounts of electricity and gas are lavished, and the scrap amounts need energy input again to be recycled, if possible. This leads to the business case of a machine learning model, which evaluates real time machine data to be able to give machine operators a statement as to whether the film they are currently producing is good material or whether quality parameters are outside the tolerances. The goal is to suggest adjustment parameters to bring the film back within the tolerances by investigating the main influencing variables of the process control on various quality characteristics.

## **Project team**

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