

UNLEASH THE POWER OF AI

Using AI in Streamlining Configuration Item Identification

At digitalsalt, we're in the business of turning complex processes into manageable tasks. We're not constrained by borders, and we're always ready to tackle the next challenge.

One such challenge was a recent project that involved identifying Configuration Items (CIs) in a large Bill of Materials (BoM) with over 60.000 positions. The task was complex, but we saw it as an opportunity to demonstrate the power of Artificial Intelligence (AI) in streamlining such processes.

"We're leveraging the power of AI to simplify complexity so our team can spend less time identifying configuration items and more time driving innovation."

– Configuration Manager on Site

SITUATION

Inaccurate and time consuming manual process

Our client faced a challenge in identifying Configuration Items (CIs) in a large Bill of Materials (BoM) with over 60.000 positions. The task was complex and threatened to lead to inaccuracies and inefficiencies, high costs of time and resources, and potentially critical errors.

SOLUTION

Implement Machine-Learning Approach

digitalsalt provided a comprehensive Machine Learning Lifecycle approach to tackle this challenge. This involved target identification, data collection, cleansing, processing, exploratory data analysis, model training, testing, parameter tuning, feature engineering, model evaluation, optimization and deployment.

IMPACT

Benefit from 98% Accuracy

The machine learning model was able to accurately identify CIs and non-CIs in a large BoM with an impressive accuracy of 98%. This not only saved time and reduced errors but also provided valuable insights that can drive decision-making.