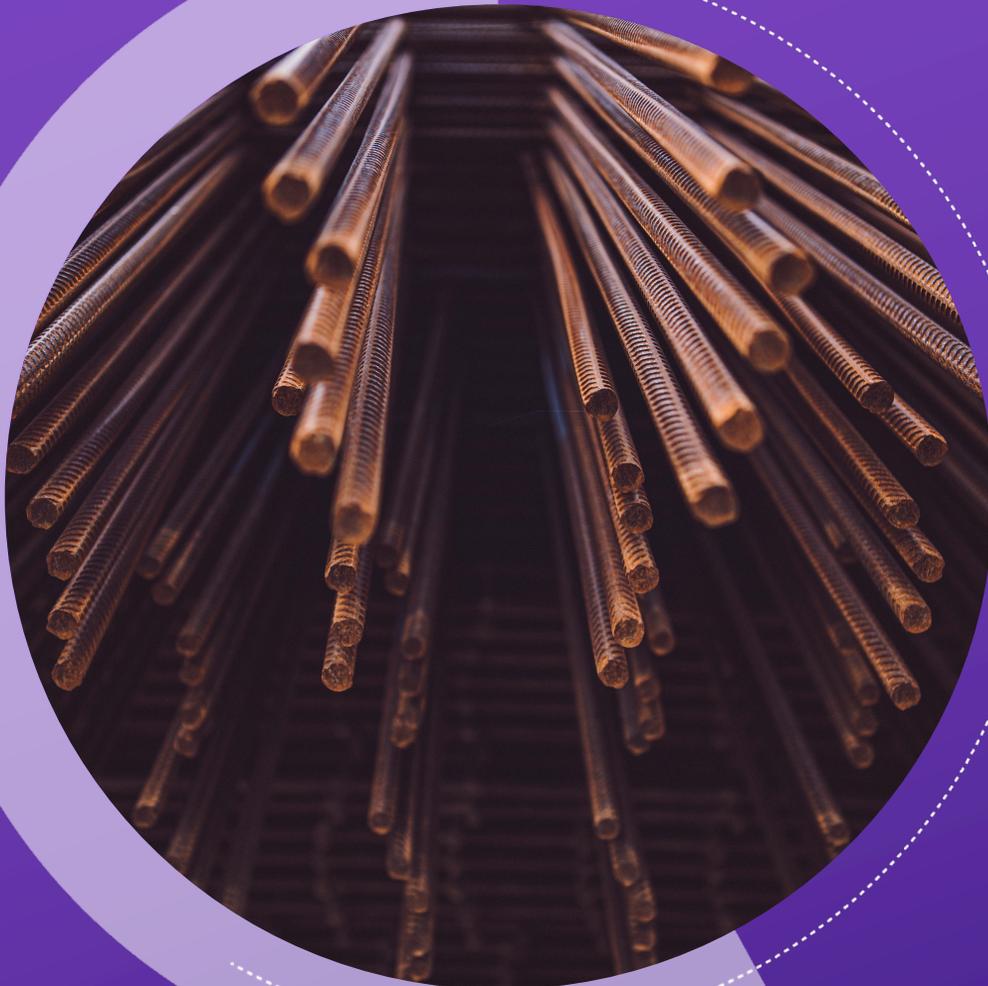


Featured Success Story

**Harnessing the
internet of things (IoT)
and advanced analytics
to reduce breakdowns
and repairs by up to 28%***

Client: A world-renowned metal and glass packaging
manufacturer with a US\$10B YoY revenue



Challenges

A global manufacturer of metal and glass packaging operating 65 facilities in 16 countries sought ways to proactively identify and mitigate product defects:

- Each tin can is created with a dedicated tip-punch that wears out during the production process.
- If the punch is damaged during the process, it results in machine downtimes and product batch defects.
- The capability to replace the punch before it wears off can extend the life cycle of the machinery, but it's difficult to know the optimal time to do so.



Solutions

- A predictive algorithm that draws on IoT sensor data, e.g., vibration frequency, oil levels, temperatures, and other parameters
- An AI model that predicts the probability of a breakdown and suggests the replacement of parts in a sweet spot (based on understanding various correlations)





Opportunities Unlocked

- Extension of the press lifetime of machineries by 1.8*
- Reduction of costs in breakdowns and repairs by up to 28%*
- Improvement in overall equipment effectiveness (OEE) by 6%*
- Decrease in quality- and product defect-associated costs

* Based on market/industry benchmarks and standards for manufacturing



All things data

contact@lingarogroup.com

lingarogroup.com/manufacturing_analytics