USE CASE: TECHNICAL CAPACITY & EFFICIENCY AT FORTUNE 200 ENGINE MANUFACTURER

CASE STUDY

Lhp

GOALS OF THE PROJECT

Doing more with less. Becoming more agile and adaptive to global market shifts that are happening faster and more frequently than ever before. When a company who excels in perfecting engine performance turns the lens on itself so that it can operate better, faster, and cleaner, LHP Data Analytics & IoT was there to help:
- Achieve 30% R&D organizational efficiency as defined by spend by end of year 2020 ($70m+ entitlement).
- Primarily accomplished through headcount alignment and process efficiency.
- LHP provided an analytics solution and process management support, allowing organization to achieve over $5m of total goal.

CHALLENGES

Combining multiple, disparate data sources into a clear, cohesive view to be used by multiple parties.
Not disrupting current forecasting processes or program execution. Achieving buy-in and adoption across organization to adopt new process.

SOLUTIONS

LHP Data Analytics & IoT first undertook a major push to gather and connect multiple disparate data sources so all of the moving pieces could be compared in one place, using Microsoft Azure to feed Microsoft PowerBI for visualization. Concurrently, they also provided on-site consulting of 2 different executive resources with decades of wisdom on how to operate both as a team and as an organization more effectively using Obeya concepts and principles. Finally, multiple resources were utilized to scale this from a single business unit to an enterprise model based on the success and ROI of the initial project. This increased maturity and utilization will see continued refinement to the data models, including additional sources of data, and deeper integration into the core business processes.

ABOUT THE PROJECT

Industy
- Manufacturing, Automotive, Engineering, R&D

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Tools
- Microsoft Azure, Microsoft Power BI, LHP Telematics Hardware (TP1), Microsoft Teams, and Power Platform.

Application Area
- Human Resources Tracking
- Asset Utilization (Physical & Human Capital)
- Forecasting & Planning