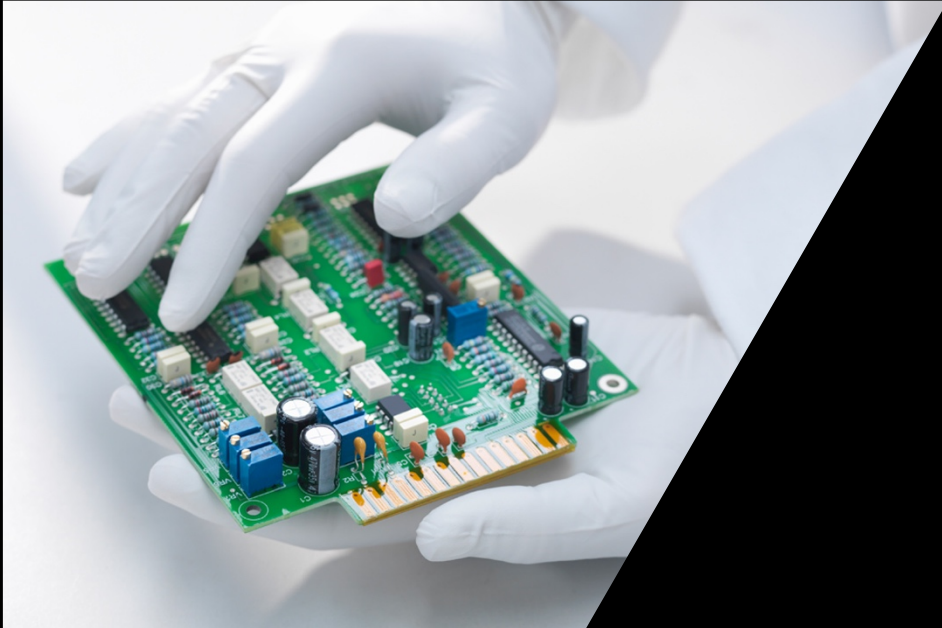


# Reducing man days and cost in manufacturing

## Improving efficiency in design and engineering



### Goal

A computer manufacturer wished to reassign 15% of engineering resources from existing PC products to new growth areas whilst maintaining manufacturing quality standards.

### Insight and Action

QuantumBlack combined data from 15 disparate data systems (such as time-sheet records and engineer profiles) and offline data sources, testing more than 150 hypotheses.

We identified 11 key productivity factors for design and engineering, including geographical footprint, team composition, and workflow fragmentation. Through these factors we discovered the opportunity to reduce man days by 15% and cost by 10%.

We operationalised live dashboards and digitised a staffing requirement tool so the company could better staff projects and track project performance.

### Results

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# 15%

Reduction in man days identified

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# 10%

Reduction in cost identified