# Defence Client
## Data and Analytics Service

METHODS ANALYTICS

## PROBLEM

Our Defence client needed to design, develop and implement a self-service reporting capability to provide analysis of key business data sets across the organization.

DESIGN + DEVELOP + REPORTING CAPABILITY = KEY BUSINESS DATA

Already experienced and adapted to using Agile development methodology, they wanted help building this as a Data and Analytics service to bolster internal development capacity and capability, and to meet the ambitious scope as outlined in their 2020 IT strategy.

This also involved moving toward a Microsoft Azure cloud analytics platform with development requiring this technical architecture in mind.

## AIM

The client had already developed a series of prototype dashboards using Power BI. The product backlog and requirements of these dashboards were in their infancy, with work needed to further develop the:

- User stories
- PoC design
- Wireframes
- Sprint development plans

Each dashboard required a number of data sources to be integrated (building ETL) to an underlying Microsoft SQL Server 2016 Data Warehouse, with reporting output provided to end users through a Microsoft Power BI dashboard. The architecture and quality of the required data was unknown at time of initiation, meaning a strong understanding of how to model and integrate data was required. The end users varied in seniority and familiarity with the data, requiring us to provide developers with a strong understanding of visualization, stakeholder management, training and dashboard techniques to present key insights in the most effective and intuitive way.

## APPROACH

We provided five agile teams delivering:

| Power BI dashboards for Human Resources | Information Security | Safety | Commercial | One focused on a Data Science discovery project |
|---|---|---|---|---|

Each dashboard team consists of:

- A scrum master
- One or more BAs who define and build the backlog of user stories

- A back-end SQL/ETL developer
- A front end Power BI developer
- A tester

## RESULT

Many of the dashboards have evolved from Proof of Concept to full production use in the organisations "hold to account" meetings, which are a repeating series of meetings where the executive review objectives and priorities, through KPIs shown on the dashboards, with the department leads who are responsible for their completion.

## TESTIMONIAL

> "
> Well done on the Power BI dashboard thumbs up!
>
> CEO

> "
> Feedback from the first set of hold to account meetings was very positive with comments from the Executive team such as "Big step forward having Exit Data"
>
> Director General

> "
> Godsend to have the Power BI representation of the data
>
> CFM – HR

> "
> Really impressed we can give them the statistics
>
> SCS – Head of HR

**Office locations:**

**London** | **Birmingham** | **Bristol** | **Cardiff** | **Chelmsford** | **Edinburgh** | **Manchester** | **Sheffield**

✉ analytics@methods.co.uk     📱 020 7240 1121     🌐 www.methodsanalytics.co.uk