



# Jacobs

## Modernising Asset Management Systems

DIGITAL TRANSFORMATION SPECIALISTS

unipro

## Success story



### The Challenge

Jacobs were struggling with their inefficient spreadsheet-based worldwide airports asset management system. The demands had long outgrown the capabilities of a spreadsheet as a management tool. Key challenges included data security, reliability of data, scalability issues, lack of predictive modelling, and limited reporting capabilities. The new solution needed to:

- Forecast runway lifespan and surface replacement schedules.
- Import and model data, securely, from industry-standard tools.
- Provide interactive dashboards and exportable reports.
- Enable multi-tenant functionality for clients to manage predictive scenarios independently.

## The Solution

After a detailed consultative process, Jacobs appointed Unipro to develop a best-of-breed bespoke solution for them. In six months (several weeks ahead of schedule), we delivered a bespoke asset management tool using agile methodology.

Features included:

**Multi-Tenant Architecture:** Secure client data management across multiple users.

**Scenario Comparison and Reporting:** Interactive maps and dashboards for visualising runway conditions and comparing forecasts.

**Customised Visualisation:** Charts and PDF exports for enhanced reporting.

**Onboarding Workflow:** Streamlined data collection for accurate modelling.

## The Results

The application dramatically improved accuracy and efficiency, and empowered clients to manage data autonomously. It further enhanced decision-making with dynamic runway life-span forecasting and scaled seamlessly to support global operations.



Big enough to deliver  
Small enough to care

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