Fabric™

An innovation team from ENGIE partners with Fabric and AWS to rapidly develop and deploy Maxwell, an employee happiness and engagement app.

ENGIE

ENGIE is a global energy player who provides individuals, cities and businesses with highly efficient and innovative solutions based on its expertise in renewable energy, energy efficiency, liquefied natural gas and digital technology. ENGIE is committed to successfully addressing the energy challenges of coming decades by producing energy that emits no CO2. The environment, universal access to energy and the quest for innovation are all key commitments for ENGIE.

Happiness & Engagement Mobile App

Experience:

Fabric services:

Understand > Create > Run

Technologies used:
AWS serverless architecture, S3, Lambda, API Gateway, DynamoDB, CloudWatch, CloudFormation, Node.js, AngularJS, Javascript, Bootstrap

Industry
Energy, Human Resources

AT A GLANCE

1 Fabric builds a web based employee happiness and engagement app, Maxwell, for ENGIE's employees.

2 Maxwell provides ENGIE's human resources and management with trend data on employee happiness, energy levels, and other topical questions.

3 Our 'agile' approach allowed rapid feedback from the Maxwell Team ensuring the most valuable features were completed within the short time available.

4 Serverless cloud based development minimised up-front costs and overheads while providing scalability once in production.

CHALLENGE

Justifying the time and costs required to build any application is an obstacle especially for proof of concept and other small projects. By reducing the amount of up-front investment required for development and setting up environments you are able to experiment and innovate more freely.

SOLUTION

Fabric quickly developed and deployed a minimal viable product (MVP) web application optimised for tablet/kiosk use in order to gather employee happiness and engagement data.

The project followed an agile approach with daily stand-up meetings and frequent deployments which allowed Fabric to quickly obtain the Maxwell Team's feedback and prioritise features. These features were then potentially implemented, trialled and changed within hours or days.

The use of AWS's serverless architecture allowed the project to focus on the Maxwell Team's requirements during development rather than infrastructure and deployment issues, all at negligible cost as the user base was small.

Upon project completion the effort required to deploy the system to multiple environments, its monitoring and scaling was simplified through the use of the AWS serverless infrastructure. Automation of the deployment to AWS by Fabric further enhanced the process making the handover to the Maxwell Team relatively straightforward.

ABOUT FABRIC

Fabric is an Australian owned business specialising in consulting, software development and application support services. Our business leans heavily on Lean and Agile principles and we believe in an open, collaborative and transparent environment. We are unique in that we provide an end to end service to our partners and customers and use agile ways of working.

"
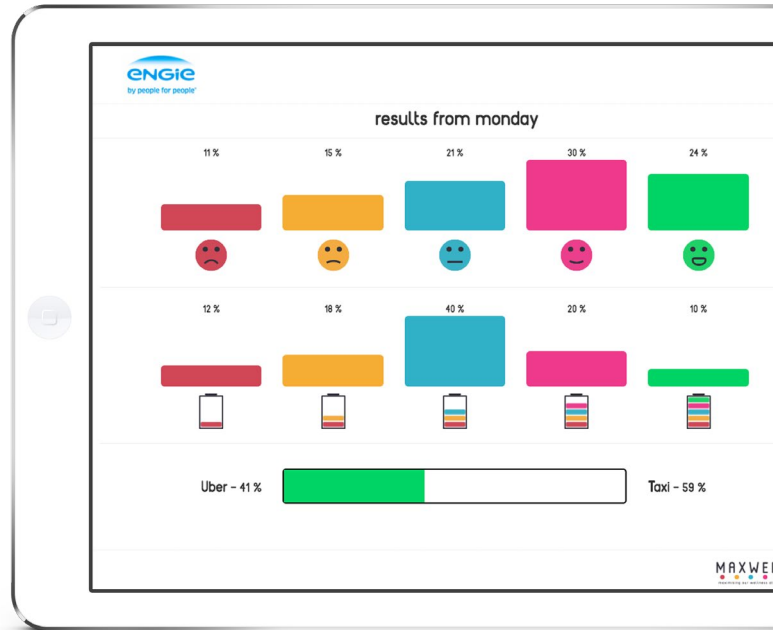
Our project went from a basic concept to a fully functioning Minimum Viable Product (MVP), hosted on the AWS cloud with new low cost serverless compute, in just three weeks.

We worked closely with Fabric, with support from AWS, using agile methodologies to fast track ideation into rapid iteration to guide weekly updates of our prototype MVP.

The result was a fast loading fully functional web app, that met all scoped requirements, whilst also giving us a new outlook on how projects can be run using limited resources and time. We look forward to working with Fabric again in the future.

"

Rohan Smith, Digital Strategy Manager