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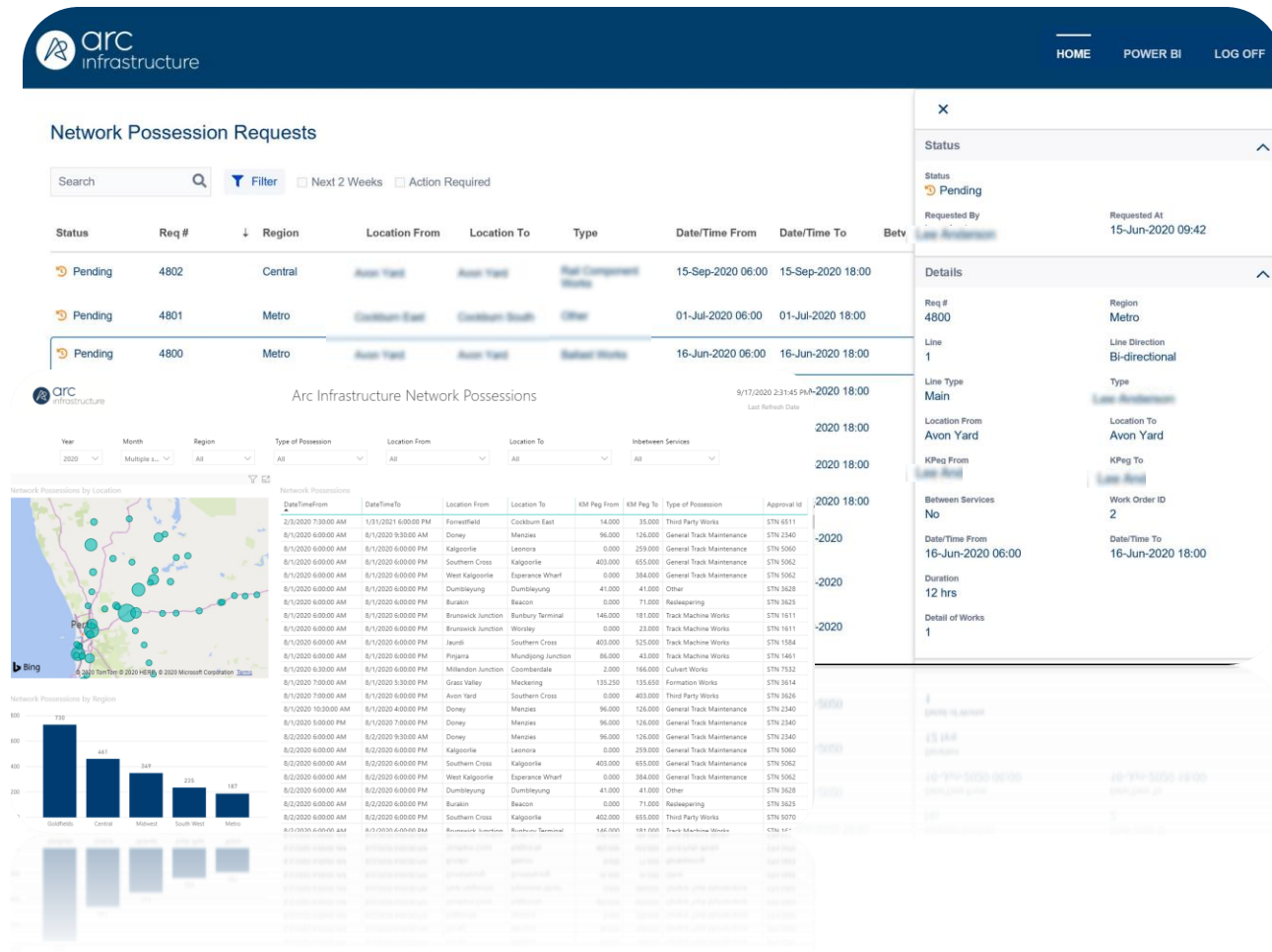
Case Study

NPM - Delivering Value Early with Agile



arc
infrastructure





- ✓ Application delivery and project management
- ✓ Team augmentation
- ✓ Agile approach gave business benefit 1 year early

Overview

- Arc Infrastructure Technology are moving to electronic management of trains and required custom software to be developed to augment functionality of the 3rd party system being rolled out
- Interfuz lead and managed the delivery of this custom software, starting with a **Network Possessions module (NPM)**, delivering early value by using an Agile approach
- By looking at the problem with an **agile mindset** Interfuz were able decouple the custom software delivery from the 3rd party software rollout, giving business benefit from the new application **a year earlier** than otherwise planned

The Client

Arc Infrastructure (formerly Brookfield Rail) is operator of West Australia's south west rail network, covering approximately 5,500 km of rail infrastructure.

The network is vital to providing access to the eastern states of Australia and overseas markets through the region's six government-owned ports.

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The Challenge

- **Software** to enable the request, approval and management of Network Possessions; users requesting access to areas of Arc track for maintenance and other tasks. Currently managed via email
- **Reference data** this project included the development and rollout of a centralized reference database

The Approach

- **Agile process** used to identify minimum viable product
- Solution proposed based from this that allowed **early go live** without the full system for small additional development overhead
- Agile used for **delivery** to ensure that development met business requirements early with bi-weekly customer reviews and ongoing formal & informal catch ups

The Results

- The Network Possession Module has hugely improved the **quality** and **visibility** of this information, both internally and to customers
- Business value delivered **1 year earlier than planned** by adopting MVP agile approach
- Development of a further 3 modules in progress as part of the overall larger project

- **Big picture / Small picture** Business was focused on the overall big project delivery, we had to help them to think at a smaller level to see how they could get value early, without the whole system being live
- **Tight deadlines, changing deliverables** aka the usual project challenges

The Solution

- **Web application** written in .Net core with DevExpress web front end. Data stored to MS SQL
- Data surfaced to external users via **PowerBI**
- **Azure DevOps** build and deploy pipelines for all environments through to production
- Team's commitment to **Agile** and delivery meant that committed **delivery dates were met**, despite many challenges under the surface

The collaboration between Arc & Interfuze using the Agile method proved a great success, with a product that I was able to showcase to stakeholders both internal and external early on and give a taste of what is to come in the future.



Pav Vora
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Think we can help solve your problem?

Reach out to Interfuze on

08 6270 2488 or hello@interfuze.com.au

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