Case Study:

Moving towards Smart Port status at Flinders Adelaide Container Terminal (FACT)

The volume of containerised trade flowing through South Australia is projected to grow significantly over the next twenty years.

Objective

One of the ways FACT is working to meet this growing demand is by utilising Artificial Intelligence and data-led solutions to increase efficiency and move containers through the terminal as quickly as possible.

Activity

For the past 18 months we have been working with Complexia, a world leader in Artificial Intelligence software applications for the logistics and shipping sector. The goal of collaboration is to explore how the largely manual process of moving a container through FACT can be optimised by leveraging new AI technology. The project is one of the first of its kind in Australia, and will put FACT at the forefront of container terminal innovation.

The AI application will pre-empt and manage key decisions linked to a container's movement such as its contents, which berth it needs to go to, timings linked to trucking arrival.

Result

Using AI-based technology to rapidly collate and analyse these multiple data-points and take action represents a step-change in container terminal management and will enable FACT to keep well-ahead of growing volume and complexities in containerised trade. The approach is also part of FACT's wider planning to drive the facility's transition to Smart Port status and ensure it can integrate into future Internet of Things (IoT) frameworks.

At the forefront of container terminal innovation