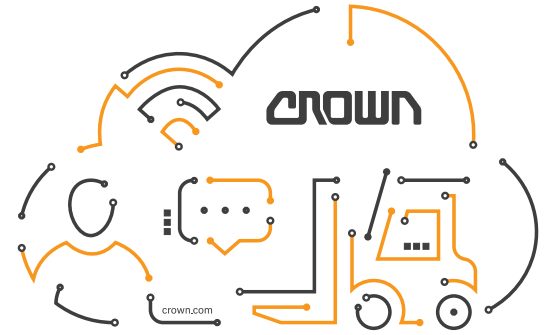# CROWN

Research and Development Challenge

Background

Warehouses and manufacturing plants are increasingly using technology to run their operations in ways that are safer, more productive, and more efficient. Forklifts are no exception. They are becoming smarter, more energy-efficient, connected, and autonomous.

Challenge

Create a concept to display data in either a mobile application (e.g. on a forklift or mobile device) or a web application that provides enhanced safety, increased productivity, and/or improves autonomous operations. A prepopulated data set will be available via REST APIs hosted in a cloud environment, however, a custom data set may be used. Potential users can be forklift operators, warehouse supervisors, or pedestrians working around autonomous forklifts.

What will we provide?

• Access to sample database and microservices through REST APIs to build a cloud-based web application or mobile application.

• Swagger documentation for APIs.

How will the project be judged?
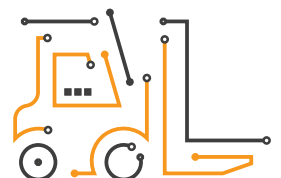
1. Customer Value and Creativity
How well does it solve a customer problem in a unique and original way?

2. User Experience
How easy is it to use?

3. Technical Thinking
Did the team use appropriate software design patterns for a concept and does the team have credible thinking about how it could be built into a product for scalability and reliability?

Demo Site

URL: my.hackohio.zone1.development.crown.com

Username: Hackohio@example.com

Password: Hackohio1!

Swagger: hackohio.swagger.zone1.development.crown.com/