

## Aim of the project

- Investigate / demonstrate the potential of human-robot collaboration, integrated with IoT sensors for cleaning and allergen detection on a factory floor
- Engage with partners in industry (including bakeries and spice and tea blending companies) and the third sector (the Food and Drink Forum).

## Outcomes

- Design, implementation, and evaluation of an interactive prototype
- Novel human-robot collaboration and sensor data analytics

## Contributions

- *Techniques* (e.g., multi-agent coordination)
- *Socio-technical understandings* (e.g. human-robot collaboration in a manufacturing setting for the co-creation of consumer goods)
- *Sensor data analytics* (new mobile near infrared sensor technique to detect allergens).

## Potential benefits

- safer, cleaner, more efficient, and more productive food factories, a £28bn sector in the UK

