Microwave oven which recognize the food ingredients

**SCOPE**
- Vegetable recognition engine
- Ingredients recognition engine (chopped/mixed vegetables)
- Drink recognition
- Test environment setup inline with end product environment

**CHALLENGES**
- Image pre-processing to make it suitable for specific local market requirements
- Visibility issue, poor lighting, camera position
- Porting and optimization for embedded platform
- Custom Architecture development

**TOOLS AND TECHNOLOGIES**
- TensorFlow
- Custom designed network

**AI engine Accuracy**
- 95% for all AI modules
- 16 recipes recognized

**Market**
- Japan

**Benefit**
- Easy operation
- Reduced cooking time

**Delivery Model**
- ODC

**Product phase**
- In R&D