

# INNOVATION GATEWAY

Round 2 2017 Challenge Brief

**Improving employee health and safety**



# Challenge Brief:

## Reduce slips, trips, and falls

### The challenge

Slips, trips, and falls are the second highest single cause of workplace injuries. As responsible employers, the Partners in the Innovation Gateway strive to continually reduce the incidence of slips, trips, and falls and are looking for new solutions to help them do so.

### The solutions we are seeking

Innovative technology, solutions that can reduce the incidence of slips, trips and falls in the workplace. The partners are interested in alternative approaches including reducing the risk at source, alerts or guidance to building users and facilities managers, or risk prediction through analysis of near misses.

### Selection criteria

- Reduction in risk of injury through prevention of slips and falls.
- Ability to warn building users and managers of high risk areas that likely to cause slips and falls.
- Ability to warn building/site managers of working practices that could lead to slips, trips or falls.

# Challenge Brief:

## Better disability access ramps

### The challenge

Innovation Gateway Partners currently use metal ramps to provide disability access to their buildings. These ramps can be heavy to move, and difficult to store.

### The solutions we are seeking

Alternative disability access ramp solutions that are easier to store, carry and deploy than existing metal ramp solutions. In most cases, the ramps are used for allowing disabled access to buildings where there is a single step

### Selection criteria

- Easy storage
- Easy deployment
- Lightweight and manoeuvrable
- Durable
- High safety
- Suitability for scooter access.

# Challenge Brief:

## Improving safety for high risk / critical jobs

### The challenge

In demanding working conditions employees can get mentally tired. This can lead to an increase in human error and accidents where health & wellbeing procedures are not followed.

### The solutions we are seeking

Innovative technology and approaches that aim to reduce the number of accidents in the workplace, ensure that workers are alert and that all health and safety procedures are being followed. The Innovation Gateway partners are open to a variety of solutions including wearables that analyse brain activity, eye movement, biological rhythms, etc.), or smartphone apps that ensure proper procedures are being followed, or monitor and analyse near misses to prevent future accident risks.

### Selection criteria

- Ability to notify employees and facility managers and ensure they are in the best possible physical condition prior to executing a manual handling job.
- Ability to ensure that proper safety procedures and practices are being followed.
- Ability to improve safety when working at height.