



**DigiEduHack Solution**  
**Oulu - Digital learning solutions**  
**promoting Zero-harm**  
**Challenge: Zero Harm Hack**

# Advanced Safety Solutions for forklifts

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Safety solutions for forklifts

### Team: ASS for forklifts

#### Contact details

blair.stevenson@oamk.fi

## Solution Details

### Solution description

Safety equipment that can be added on (older) forklifts.

Solutions:

#### 1. AUTOMATIC HANDBRAKE:

Add a dead man's switch on the seat that enables the brake after the driver leaves the seat.

#### 2. PROXIMITY SENSOR:

Detects obstacles on the way of the forks and a light and sound signal is sent to the driver.

#### 3. REVERSE CAMERA:

Adding a reverse camera to enable the driver to see to the back of the lift.

#### 4. SAFETY BELT:

The forklift can only be moved when the belt is locked.

#### 5. TILT SENSOR:

Balancing the forklift with lowering of the forks.

### **Solution context**

Problem: People getting hurt or dying because of outdated safety equipment on forklifts

### **Solution target group**

People working around forklifts, especially drivers.

### **Solution impact**

People get into less accidents with forklifts.

### **Solution tweet text**

Make forklifts great again!

### **Solution innovativeness**

Yes and no. There is brand new forklifts with good safety equipment but there is no add-on safety equipment for forklifts.

### **Solution transferability**

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### **Solution sustainability**

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### **Solution team work**

Very nice team. Team work makes the dream work.