



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

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Problem: People getting hurt or dying because of outdated safety equipment on forklifts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