



ŠKODA

ŠkodaAuto, a.s., Kvasiny, Czechia

Illustrative picture

PEDESTRIAN SAFETY

CASE STUDY ALIS SHIELD

PROJECT GOAL

The project goal was to increase the safety of production operators and forklift drivers in a busy operation.



THE SOLUTION - ALIS SHIELD

The solution is an autonomous anti-collision system built on ultra-wideband technology.

Fourteen trucks and two forklift trucks of the STILL manufacturer are equipped with vehicle tags that wirelessly communicate with production operators' tags. The system is set up in 2 different danger zones - orange and red. If the forklift meets the pedestrian in the orange danger zone, the personal tag vibrates, and the light beacon inside the forklift cabin starts to blink orange. If the forklift meets the pedestrian in the red danger zone, the forklift slows down towards the pedestrian.

The vibrating mode of the pedestrian tag is turned off in 2 offices near the area for MHE. This functionality is done by 2 control units that make the pedestrian tags immune to the system when the operator is inside the office (no possible danger).



active alert of forklift driver



safe movement of pedestrian

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