

AVALTAR

AI-DRIVEN SAFETY SOLUTIONS



CATALOGUE

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June 2023

Our expertise lies in...

...AI image processing, neural networks and machine learning, along with broad knowledge and background in workplace safety. We are always up-to-date with the latest cameras and sensors suitable for safety purposes and we stay a few steps ahead in innovative technologies.

We are dynamic, innovative and customer-oriented enthusiasts based in the Czech Republic, focused on development of revolutionary workplace safety solutions for both industrial and public sector.

With years of experience in safety innovation we understand the customer needs and that every industry has its own set of safety rules and regulations. Therefore, our team creates custom-made solutions utilizing the most suitable technologies and equipment.

Whether you require anti-collision systems for forklifts, static camera monitoring for entryways or solutions for challenging places where accidents are more likely to occur, we are here for you.

Enhance safety. Reduce costs. Optimize processes.

„We are here to assist HSE managers, directors and owners to keep an eye on their workplace safety, no matter how big or small their organization is.

We've developed systems that will improve efficiency, reduce costs, and increase safety, all at once. You can come to us with any of your safety concerns and trust that we will handle them with care and expertise.“

- Barbora Valtarová, founder & CEO





FORKLIFT ANTI-COLLISION SYSTEM

What is it about?



fully
autonomous



zones
monitoring



accurate
detection



easily
customizable

AVALTAR anti-collision system efficiently prevents accidents in your workplace, safeguards employees while extending material handling equipment lifespan.

**„In simple terms:
advanced software & robust hardware.“**

In AVALTAR, we are constantly striving to make the best use of advanced AI technologies to keep you secure and prevent any injuries.

Our AI camera solutions are configured to precisely monitor 2 zones (warning and danger zone) around the forklift. These zones are set up during installation and can be adjusted anytime through our mobile app.

Thanks to advanced neural network the system accurately detects pedestrian movement within the warning and danger zones, and notifies the driver in real-time to prevent possible collisions. Such notifications include visual and audio warnings which can be customized based on client's preference and needs.

Moreover, the system is ready to slow down or stop the forklift completely, if necessary.



automatic
deceleration



real-time
response



waterproof
dustproof



maintaining
driver's attention

COMPONENTS



indoor & outdoor
usage



optional
Cloud platform



audio
notification



easy attachment via
magnets

HW DETAILS

CAMERA

IP67

Suitable for an industrial environment and outdoor usage

LED lights

Creates more reliable recognition in a dark environment

120° field of view

Provides a sufficient coverage of warning zones and surroundings



CONTROL UNIT

Micro SD Card

Data storage (e.g. footage of collision, alerts)

Wi-Fi

An easily adjustable system configuration

Passive cooling + IP67

An aluminium case ideal for industrial places



DISPLAY

View of surroundings

A 7" LCD with up to 3 simultaneous camera views or a simple rear view

Visual notification

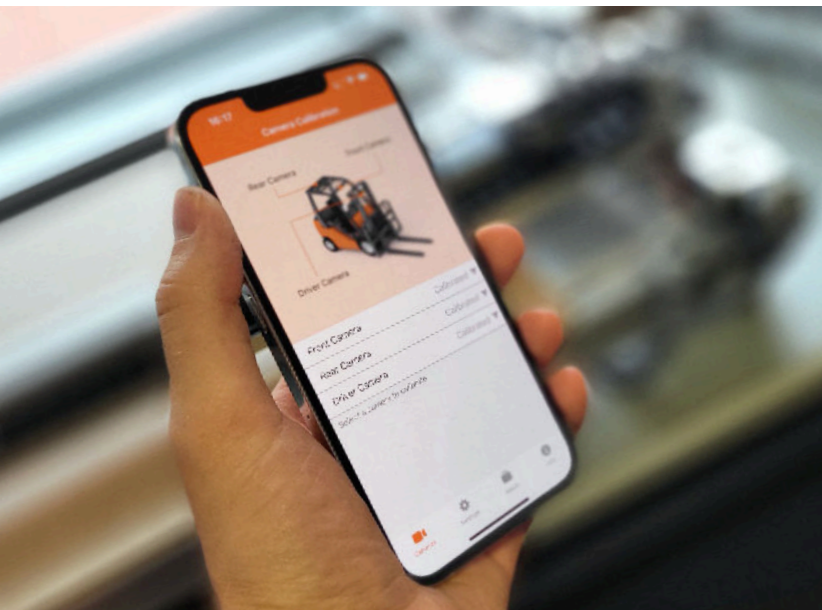
Notifies the driver by an orange or red signalization if there is a person in the warning/danger zone

IP67

Suitable for an industrial environment



SW FEATURES



MOBILE APP

Easy configuration

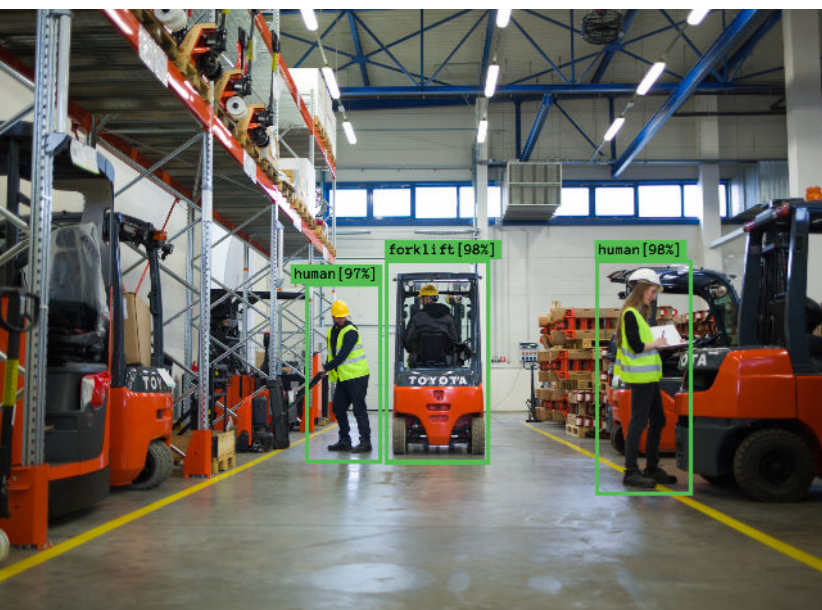
An immediate adjustment of detection zones and the forklift deceleration

Compatibility

Supported by iOS and Android

System settings

An access to the camera calibration, notification settings, statistics, etc.



AI DETECTION

Accuracy

A reliable, real-time detection to ensure minimum false alarms

Customizable

Adjustable to specific safety needs and concerns

Space monitoring

A detection of pedestrians and forklifts, PPE, accidents, etc.



DSS

included in the solution no. 3

Driver safety system

Enhances driver's awareness

Driver camera

A separate camera for drivers alerts them if they exhibit signs of:

- fatigue
- smoking
- smartphone usage

AVALTAR SOLUTIONS

1

AVA-F1-DB

rear view



3

AVA-F2-DB-DR1

front and rear view

+

← DSS (DRIVER SAFETY SYSTEM)



2

AVA-F3-DB

rear view and side camera view



More than 12 partners...

...are cooperating with us throughout Europe. They can support you locally at your industrial site, assist with the installation of AVALTAR solutions, handle the maintenance or provide any other support you may need.

Do not hesitate to contact us and we will guide you to the appropriate partner.

A few words from our partners:



„Avaltar is a young and dynamic company with a wide experience in electronics, programming and hardware for safety tailored solutions by real-time analytics. For us, it is a great partnership making our position in the market stronger and more efficient.“

- Sergi Cadenas, Spain, founder of Nosia SRL



„We are very happy and privileged to have a partnership with AVALTAR Tech. Their commitment to providing tailored solutions, real-time analytics and exceptional support has made them an invaluable ally in our shared mission to deliver top quality safety solutions to our clients.“

- Damian White, United Kingdom, founder of Clarity



„We are pleased to cooperate with AVALTAR Tech and proud to be their partner in Romania. Their sales and technical support is fast and clear, and their product portfolio is well-designed. Working with them has been a positive and rewarding experience as we value their honesty and flexibility.“

- Kardynal Manufacturing, Romania

Interested in becoming one of them?
Talk to our sales team.



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AVALTAR

AI-DRIVEN SAFETY SOLUTIONS

Creating stories with happy endings.

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