# BUSINESS CASE
## Pedestrian detection for rental machines

efa
Industrial Parts & Equipment

***"The artificial intelligence pedestrian detection camera developed by efa France gives the machine operator a view of the people who may be present in the area where the machine is moving.***

***The system can be installed on any machine in less than 20 minutes, giving our machine operators a sense of responsibility while reassuring all those working in the area."***

### The Customer

A leader in the French construction industry, our client is involved in **building, civil engineering, roads and networks**.

### The Problem

The aim of this leader is to achieve **"0 accident"** on all construction sites. To improve the safety of its employees, it relies, among other things, on innovative technologies.

Interested in efa's 2DKIT Pedestrian Detection technology, **this customer was unable to implement it because of the use of short-term rental machines.**

### The Challenge

How can a pedestrian detection kit be fitted to a machine solely from time to time?
After identifying this constraint on a first machine, this new market demand was the trigger.

efa decided to respond to the sector's expectations by developing a pedestrian detection solution that would not only be **temporary,** but also **compact, autonomous** and **plug&play.**

A #SafetyFirst solution for **pedestrian detection** using **artificial intelligence**

The complete 2DKIT PEDESTRIAN DETECTION expertise in its electro-portable version, thanks to **secure wireless communication**

A quick installation and an intuitive configuration with an **easy-to-use calibration tool**

2DKIT WIRELESS

## Pedestrian detection for rental vehicles

- **Stand-alone** : secure wireless communication
- **Mobile** : interchangeable from one machine to another
- **Plug & play**: simple power supply via batteries and cigarette-lighter cable
- **Temporary** : powerful magnets for secure attachment

## The Solution

By exploiting efa's technological bricks, our engineers have succeeded in transmitting pedestrian detection images up to 170m in open field, thanks to **FHSS secure wireless communication**. 1 or 2 outdoor **1080P HD camera modules** communicate with the 7" **HD screen display module** in the cabin.

**Power supply is simple, via batteries and cigarette-lighter cable, while powerful magnets ensure a solid hold.**

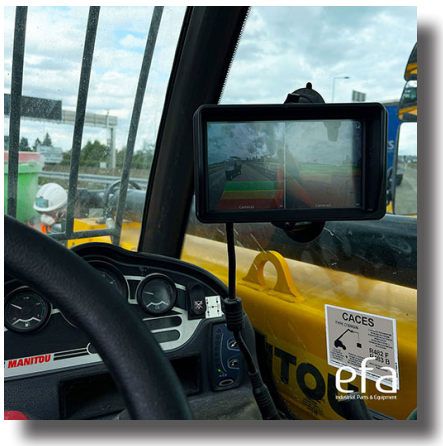
## The Results

The first two 2DKIT Wireless units were delivered to our customer last summer for implementation in the field. Since then, all the employees involved in the project have adopted the solution, from drivers to site foremen and prevention officers.

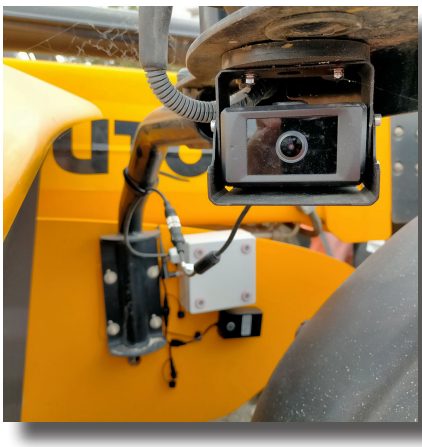
They appreciate :

- **Easy assembly/disassembly on telescopic trolleys,**
- **Detection zones that can be configured in just a few minutes,**
- **Efficient pedestrian detection to protect blind spots.**

Since then, around ten 2DKIT Wireless systems have been delivered to their various subsidiaries.







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