



SAFETY IN THE LOGISTIC SECTOR



**ANTI-COLLISION WARNING PLATFORM  
FOR FORKLIFTS AND INDUSTRIAL VEHICLES**



## SAFETY AS MAIN GOAL

From an analysis of the most recent data given by INAIL, it turns out that the majority of injuries is caused by failure to comply with safety regulations. We are steadily convinced that economic progress involves also respect and defence of values of people and work, therefore of rules that regulate it.

**OVER 465.000**

injuries reported by INAIL in 2018

**25 BILLION EUROS**

the annual cost of injuries in Italy

**30% OF COMPANIES**

are irregular in terms of security



**Our security systems for forklifts, some of them are unique because have been produced and patented by Tamarri, are distinguished by reliability and rigor.**

## Technology and security

The commitment to safety, which Tamarri has made towards companies, by now has become clear, for this reason, thanks to the commitment of the research and development department, we created **STS anti-collision warning system**.

A revolutionary **all-in-one** platform that can be applied in the whole product sectors: from packaging industry to the warehouse logistics, from automotive to textile industry up to biomedical, food & beverage and manufacturing.

### **STS anti-collision warning system**

An up to date platform that allows to improve safety in each sector





NO LIMITS WITH STS

### STS anti-collision warning system.

Drive, check and automates quickly and easily. Just a finger!

**STS** is a platform, which aims to improve the safety of the logistics sector on handling vehicles, from the warehouse to the construction site **STS** allows the **driver recognition**, the **location of a pedestrian or other moving vehicles** near the forklift, the **slowing down of the vehicles** within specific areas and the automatic **opening of mechanical gates**.

Moreover, thanks to a real time log system, **STS** is able to record all events turning them into alerts easily accesible by the Android® **SafeTApp** or through the **SafeTCloud** web portal.

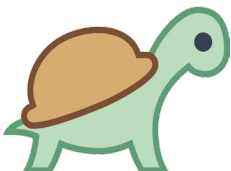
## What does STS anti-collision system permit to do



**Check access** to the vehicle from authorized drivers.



**Check the presence** of pedestrians near the forklift.



Automate the **slowing down** of the vehicle within specific areas.



Automate the **opening** of mechanical entrances.

**STS anti-collision warning system** is compatible on the industrial means of the most important manufacturers. Furthermore, the system can be used on vehicle different from those it was designed for. Contact us for information!







# ONLY WHO IS AUTHORIZED CAN DRIVE



Having the complete management of all your fleet means, first of all, to know who operates on the vehicle, when and how it is used and how it is driven.

Delegate completely to operators all these critical issues, may result dangerous: it charges the operator with strong responsibilities, and, often, nobody knows the real use of the logistic assets.

With **STS anti-collision warning system**, the platform that aims to improve the safety of the logistics sector on handling vehicles, it is possible to check the access to vehicles and to associate drivers to a specific vehicle.

Thanks to the **TKeyLock** function it is possible to enable operators to specific vehicles.

Moreover, thanks to a real time log system, STS can record all events that can be consulted through the application created for Android® devices **SafeTApp** or through the **SafeTCloud** web portal.

- ✓ LAST GENERATION BLUETOOTH SYSTEM
- ✓ COMPLETELY CUSTOMIZABLE PARAMETERS
- ✓ OPERATOR DETECTION FROM OVER 4 METERS
- ✓ RECOGNITION OF WEARABLE DEVICES



**TKeyLock** composition: it provides a STS receiving device for each vehicle and a wearable (bracelet, brooch, safety vest) for each operator who needs to be enabled.



Example of wearable bracelet application.

Comfortable and lightweight, all our wearable are plug&play, don't require any installation and are designed for industrial environments on all sectors.

Built with quality materials, they can be used at a temperature between -18° C and 45° C.

Wearables include: bracelet, brooch and reflective vest with high visibility.





# PEDESTRIANS AND VEHICLES ALWAYS SAFE



In a warehouse it is normal for some areas to be less visible than others. Shelving, machinery and large storage areas can significantly obstruct the vision.

Warehouse staff and logistic vehicles outside the driver's field of vision, represent a real danger to people and property.

With **STS anti-collision warning system**, the platform that improves the safety of the logistics sector on handling vehicles, it is possible to check the presence of pedestrians near the maneuvering areas of forklifts.

Thanks to the **TSafe** function it is possible to signal, through acoustic and light alarms, the presence of pedestrians in the maneuvering area of the vehicles. Moreover, thanks to a real time log system, STS can record all events turning them into alerts easily accesible by the Android® **SafeTApp** or through the **SafeTCloud** web portal.

- ✓ LAST GENERATION BLUETOOTH SYSTEM
- ✓ COMPLETELY CUSTOMIZABLE PARAMETERS
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- ✓ RECOGNITION OF WEARABLE DEVICES

The **TSafe** configuration allows to prevent accidental collisions thanks to the use of optical and acoustic indicators.



Protecting operators in the warehouse and in the construction site is a priority.



# CONTROL THE WAREHOUSE EASY AND SAFE



Having the complete management of all fleets is an important aspect for any company that manages one or more warehouses: internal logistics, movements, alarms. The STS platform, thanks to the sophisticated control systems, is able to control the speed of a vehicle (**TSlow**) and to automate the opening of mechanical gates (**TOpen**).

All this is allowed by **SafeTApp**, the revolutionary Android® application for the management of all platform's parameters.

With **STS anti-collision warning system**, the platform that aims to improve safety of the logistics sector on handling vehicles, it is possible to slow down the speed of a vehicle within specific areas, and it is also possible to automate the opening of mechanical gates. **Comfort and safety in one solution!**

In every environment there are areas where vehicles need to run at a moderate speed for safety reasons. **TSlow** function is able to automate the slowing down of the vehicle, and the **TOpen** function allows to open unattended mechanical gates.

- ✓ LAST GENERATION BLUETOOTH SYSTEM
- ✓ COMPLETELY CUSTOMIZABLE PARAMETERS
- ✓ PRECISE DETECTION OF GATES
- ✓ MANAGEMENT OF CUSTOMIZABLE DECELERATIONS



Have you ever had to get off a vehicle to open a gate, maybe outdoors when it rains?

The **TOpen** function avoids the inconvenience.

By automating the opening of the gates, the operator will no longer need to get off the vehicle for transit operations, thus increasing productivity and safety.



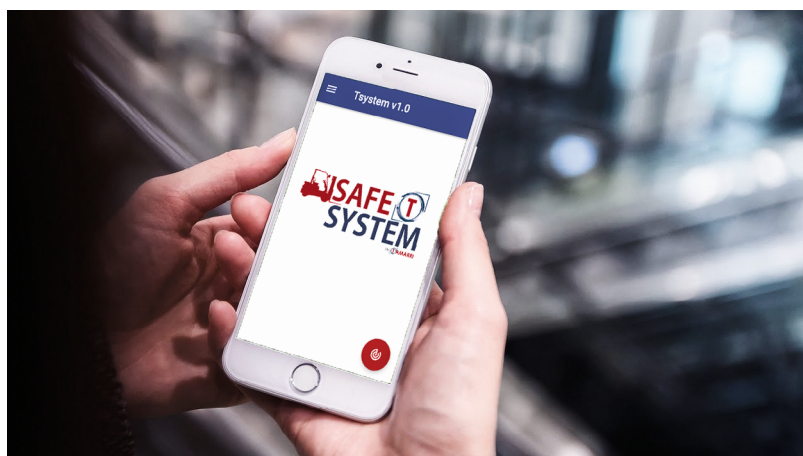


# EVERYTHING ABOUT ... CLOUD



With **SafeTApp** and **SafeTCloud**, every parameter is under your control. Nothing is left to chance. Customized parameterization, association of vehicles and operators, control of driving speed, detection of collisions, control of all events directly on the APP or on the portal.

Thanks to a simple and intuitive interface, every authorized operator can view all the precious information about his fleet, remotely, quickly and safely.



With **STS anti-collision alarm system**, you will be able to manage the variables independently, adapting them to your needs.

STS is a flexible system that adapts perfectly to any type of logistics and industrial situation.

**SafeTApp**, allows authorised users to run the entire platform, without maintenance of invasive hardware or software. It adapts perfectly to the internal IT system, giving the highest standards of software design

- ✓ PARAMETERIZES ALL THE DEVICES
- ✓ ASSIGNS VEHICLES TO OPERATORS
- ✓ MANAGES DIVERSIFIED SECURITY LEVELS
- ✓ REGISTERS EVERY EVENT

## SIMPLICITY AND POWER



**SafeTCloud** is the portal that collects all information in a secure way and allows authorized users to view all events through a convenient and clean web interface.





SAFETY IN THE LOGISTICS SECTOR



STS web page



STS video



tamarri.it



OPEN CHECK AND DRIVE SAFELY

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