SAFETY GO

System for traffic light priority

What is SAFETY GO?

Safety Go is the system to improve better the traffic light priority that benefits the emergency vehicles and authorized vehicles based on APP for mobile devices. It allows to interrupt the traffic light cycle, to extend, to reduce or anticipate the green light in favor of the vehicles managed by the system and provide the green wave in the next traffic junctions.

Near a traffic light junction, the activation of **Safety GO APP** with a smartphone or tablet with GPS, allows to locate the position, speed and direction of the vehicle. The TMacs Cloud Server acquires the request, communicating to an actuator connected to the traffic controller on the road that allows to provide the green light blocking other vehicular currents. Constant communication with TMacs Server stores the requests for priorities that are recorded to guarantee the absolute traceability and security of the system operations.

Emergency vehicles into service, equipped with visual displays to light and sound, may derogate from the rules of the movement, however, are not exempt from the adoption of the necessary precautions in relation to traffic and road conditions, so as not to cause hazards for people. There is always the risk that vehicular traffic flow in conflict can engage the traffic junction and can cause accidents with emergency vehicles endangering the lives of doctors, rescuers drivers, police, citizens and people waiting for the emergency vehicles. The system aims to increase the chances of saving the lives of people and to reduce the negative consequences of little timely intervention due to traffic, typical of large cities, especially at peak times.

Safety Go implements the traffic light priority with a simple click from a Smartphone or Tablet and not require dedicated devices, installed in a vehicle.

SYSTEM COMPONENTS

- The Safety GO System is made up of the following components:
- Application (APP) installed on smartphones or tablet, of the vehicle passengers to give priority. Mobile devices must be connected to Internet and must be equipped with the GPS system;
- TMacs Cloud Server that acts as a central feature of the software platform with System Control (central business unit);
- Actuator, connected through the Internet network to the Central Server. Traffic Light Actuator receives requests of priority and transfers them to the traffic light controller via a data link or via relay outputs;
- Client SW, connected to the Central Server, allows the the administrator to enable the APP of the users, to set priority codes, to set preferential routes for the green wave, to set the types of interaction with traffic lights, to monitor the steps and the position of authorized users;
- Control Center to manage and to enable identities

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BENEFITS

NO NEED FOR THE SET UP OF VEHICLES

The system runs on any kind of vehicles, without installing inside any device. It is sufficient that one of the operators activates Safety GO App from Smartphone or Tablet.

IMPROVED RESPONSE TIMES

In case of emergency, Safety GO allows the emergency and law enforcement appointees to act quickly, getting the green light on traffic junctions with full safety irrespective of the vehicle used.

PREVENT AND REDUCE ROAD ACCIDENTS

Safety GO prevents and reduces road accidents close to the traffic junction to ensure the safety of citizens and rescuers.

PRIORITY EXTENDABLE TO DIFFERENT TYPES OF TRANSPORTATION VEHICLES

In addition to granting the green light to the rescue vehicles with a higher level of safety, enables the activation of the traffic light priority for the police, public transports, school buses, taxis with different levels of lower priority.

ACTIVATION OF THE GREEN WAVE

Safety GO App allows to check the location of the vehicle to which give priority and activate the green wave in all traffic junctions of the lane.

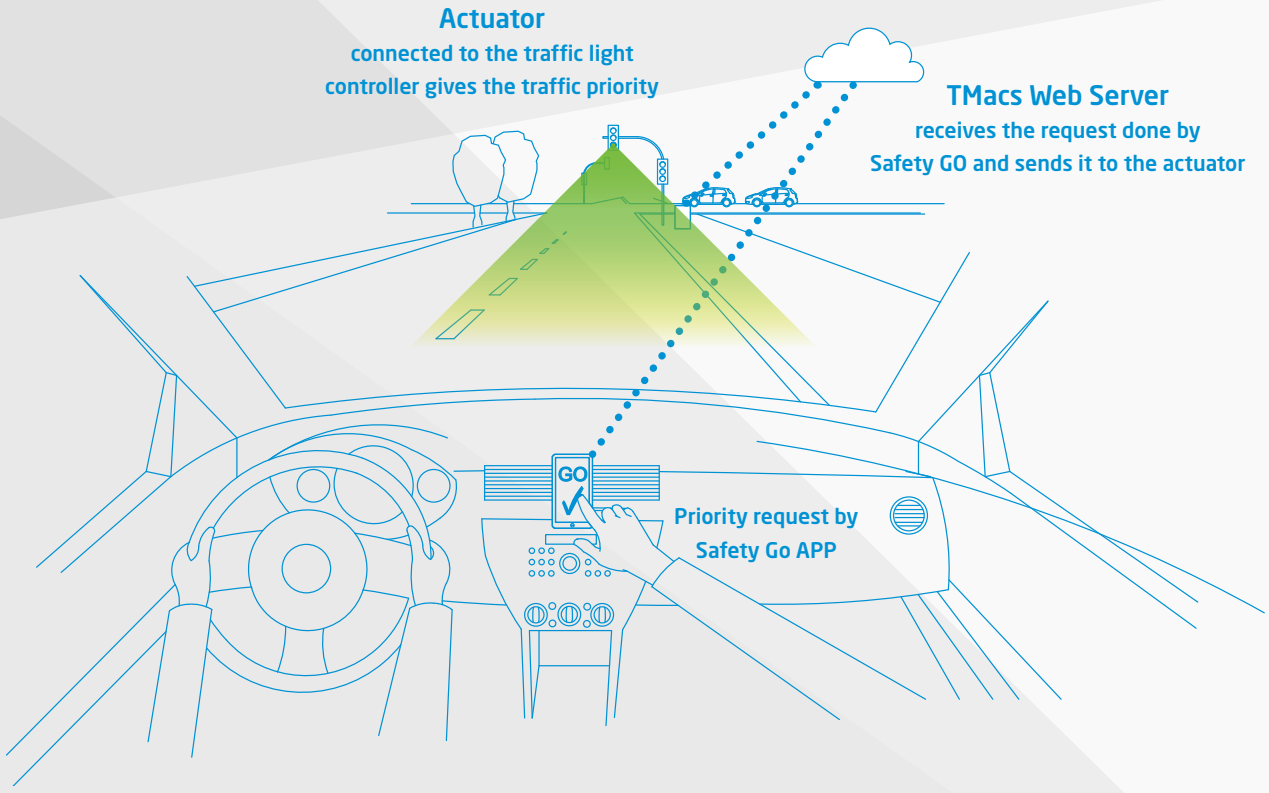
FLEXIBLE SYSTEM ADJUSTABLE FROM CENTRAL

The control center manages the identities that are accessing the system and the priority codes to be assigned depending on the kind of the request.

SUITABLE FOR ANY TRAFFIC CONTROLLER

Safety GO system communicates with any traffic controller existing on the market, thanks to the installation of an actuator connected to the traffic light controller and to TMacs Server.

Discover more about the Safety Go System on www.safetygo.it



LA SEMAFORICA
TECSEN
Via Ponticello, 17 - 35129 Padova (PD) - ITALY
+39 049 773055 +39 049 8074002 +39 049 8599361 +39 049 8599215
www.lasemaforica.com info@lasemaforica.com www.tecsen.it info@tecsen.it