

Essensium® solution



Accurate real-time
fleet tracking



Improve warehouse
efficiency

The rapid growth of logistics and the increasing traffic on warehouse floors pose significant challenges when it comes to safety for both vehicles and pedestrians. As the demand for efficient operations rises, ensuring the safety of personnel and equipment becomes a critical priority. With its premium safety assistance solution SafeTrack™, Essensium® can play a crucial role.

Essensium's SafeTrack™ solution is based on camera and AI technology; it provides RTLS for vehicles and pedestrians on the warehouse floor. This is integrated on the vehicles, and actively warns vehicle drivers by slowing down the vehicle and by visual and auditory signals. These are measures to reduce accidents, improve traffic flow, and enhance overall safety.



Protect people
and fleet



SafeTrack™ camera box

Safety & Productivity

The Essensium® RTLS enables a suite of productivity tools. Via an online portal, the users get access to a digital twin of the warehouse, with interactive and real-time views of the fleet movements in the warehouse. The analysis tools show the performance of the equipped vehicles on all key safety and productivity parameters. This includes driven time per vehicle, alarm heatmaps, congestion maps, route optimization, and much more to come. All data can be viewed both in real-time and as historical data to identify trends. This allows customers to continuously improve the safety and productivity in their warehouse.



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SafeTrack™ Technical solution sheet

Taking forklift safety & warehouse productivity to the next level

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Partnership with forklift vendors

Through intensive collaboration with forklift vendors, Essensium® ensures that SafeTrack™ is tested and validated. This guarantees a smooth installation on the forklifts and setup process. Essensium® assists with training the vendor's teams to acquire the necessary knowledge and expertise. This collaborative approach ensures a seamless deployment process and sets the foundation for ongoing support, customer satisfaction and further enhancements.



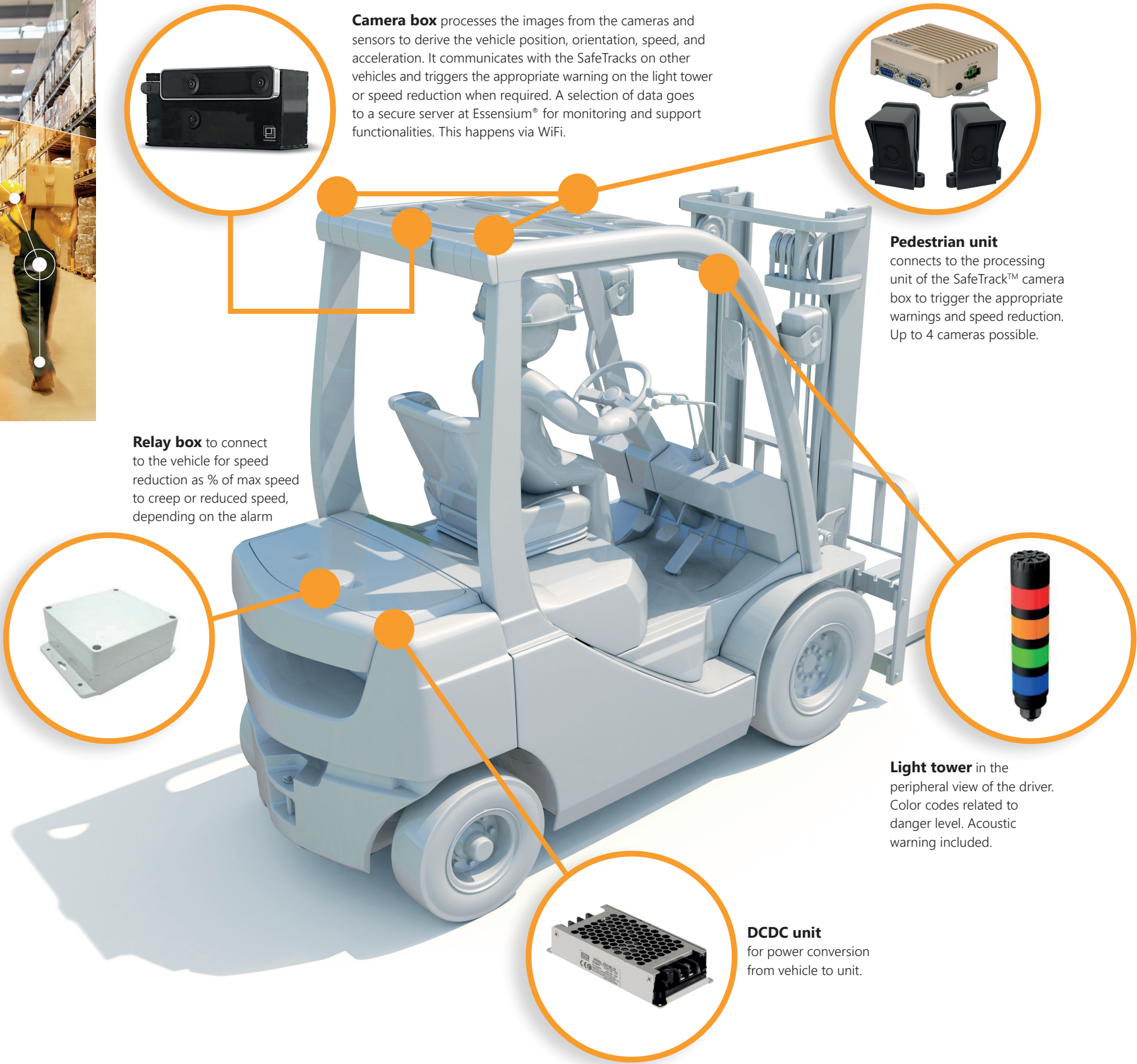
The close partnership with forklift vendors ensures state-of-the-art installations in compliance with international standards. These collaborations are mutually beneficial, promoting safety and productivity on the warehouse floor.

Essensium® assists with training the vendor's teams to acquire the necessary knowledge and expertise.

Supported Vehicle types:

- Forklifts
- Pallet trucks
- Order pickers
- Tractors
- Stackers
- Reach trucks
- Counterbalance trucks
- Side loaders
- VNA trucks
- ...

SafeTrack™ components



SafeTrack™ connection scheme

