



AUTOMATED COMPACT TRUCK

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Rocla AGV has brought to the market a new, agile AGV designed to lift heavy loads in narrow spaces. The IF Design Award winner ACT (Automated Compact Truck) is an exceptional addition to our existing AGV line combining the agility with heavy-duty lifting. ACT is designed to team up with manually operated forklifts and cooperate with other Rocla AGVs. In Rocla AGV offering, there is always a suitable pick or combination for each customer's unique needs in warehouse and production environments.

Watch the video



red^{dot} winner 2024



THIS IS ACT

Agile to operate between warehouse and production or inbound/ outbound areas, this new addition to the team fits easily in the existing warehouse environments without rack modifications.

This is thanks to its capability of operating efficiently between the loading docks and warehouse with aisles as narrow as 2.6 m.

ACT counts on a strong hydraulic unit, the award-winning EDiA heavy-duty mast, dynamic stability and weigh control which allow for a precise and fast heavy-duty lifting.

The RFID and barcode load identification functions contribute to a smart and smooth way of operation for optimal load-handling.



The first delivery
of an AGV
system
1983

AWT,
a Very Narrow
Aisle AGV
2009

AWTh,
a heavy-duty
vehicle
2011



ART, Automated
Reach Truck
2019

Launch of
Logisnext Solutions
as a provider
of comprehensive
logistic solutions
2021

Late 50's
Introduction of
the first industrial
AGV systems

2007
Introduction of
AWT, the first
modular AGV
design concept



2010
ATX, pallet
mover family



2016
Route Optimizer,
deadlock-free
dynamic routing

2020
FleetController,
AGV system
controller

2023
ACT,
Automated
Compact Truck



FORKOVER ACTff

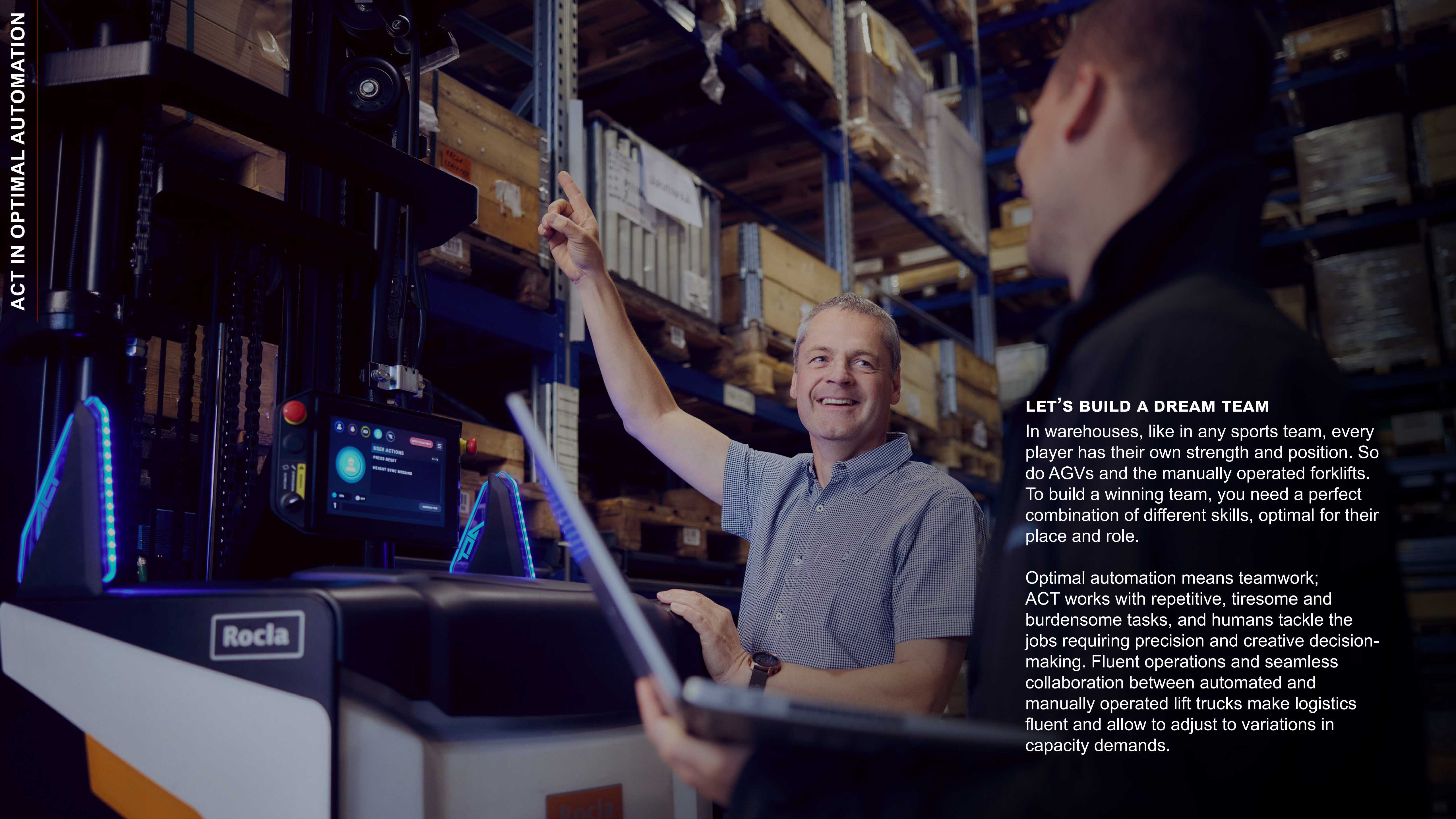
Able to operate in 2.6 m-wide aisles
Maximum lifting height: 6 m
Maximum load capacity: 1 600 kg
Fixed forks



COUNTERBALANCE ACTcf

Able to operate in 2.8 m-wide aisles
Maximum lifting height: 6 m
Maximum load capacity: 1 200 kg
Side-shift and PalletFinder

BATTERY SELECTION: LITHIUM-ION; FAST CHARGE CLOSED LEAD ACID; FAST CHARGE OPEN LEAD ACID; OPEN LEAD ACID
20% to 80% charging even in 37 minutes.



LET'S BUILD A DREAM TEAM

In warehouses, like in any sports team, every player has their own strength and position. So do AGVs and the manually operated forklifts. To build a winning team, you need a perfect combination of different skills, optimal for their place and role.

Optimal automation means teamwork; ACT works with repetitive, tiresome and burdensome tasks, and humans tackle the jobs requiring precision and creative decision-making. Fluent operations and seamless collaboration between automated and manually operated lift trucks make logistics fluent and allow to adjust to variations in capacity demands.

Check the full info on ACT at
www.roccla-agv.com

- vehicle height: 2 625 mm
- vehicle length: 2 249 mm
- max. load capacity: 1 600 kg
- max. lifting height: 6 000 mm



NAVIGATION LASER

Using a laser scanner, ACT can position itself with the precision of 10 mm in a warehouse.

WARNING LIGHTS

LED-fins are created explicitly to alert those around and indicate the vehicle's movements: colours and light frequency change according to each situation.

THE BRAIN: THE CORE OF THE VEHICLE

The intelligence centre where all the information is gathered from various sources for decision-making.

SAFETY SCANNERS

Multiple scanners at the front and at the back dynamically change the detection range forms according to vehicle's turning radius, speed and direction. Scanners allow ACT to drive at full speed in situations where it's needed and slow down only when required.

PROXIMITY DETECTION SYSTEM

ACT detects humans and vehicles carrying a proximity tag without a direct line of sight. This optional feature makes operation fluent in areas where manually operated forklifts and ACT meet in blind corners.

EMS BUTTONS

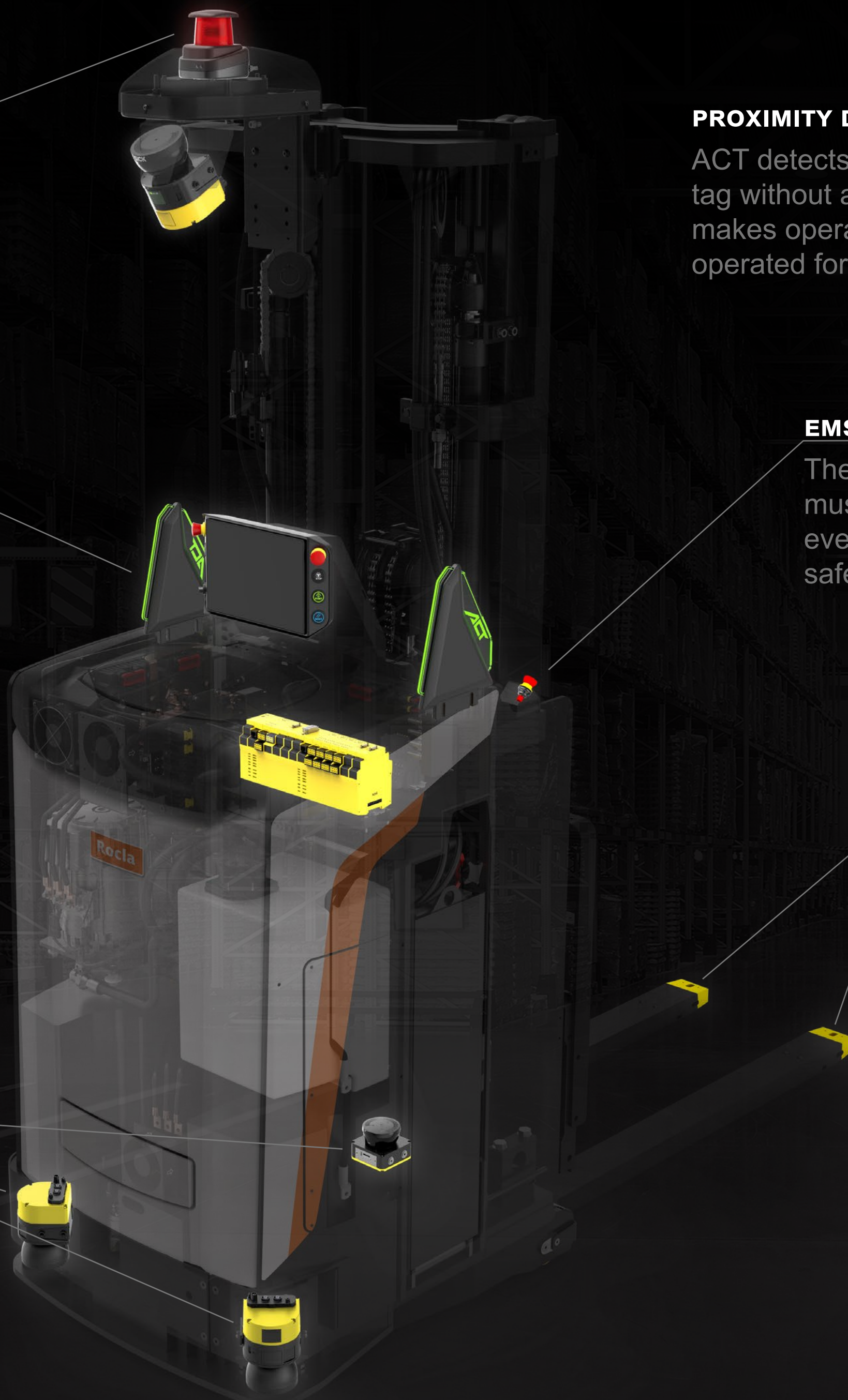
These buttons are mandatory devices that must always be within reach from each and every side. ACT complies with international safety standards, such as ISO 3691-4.

STOP BUTTONS

These buttons are designed for different purposes making it possible to handle even larger variation of loads. One protrudes through package foil and it stops the machine when it comes in contact with a solid obstacle. The other one can be manually pressed.

DESIGNED WITH SAFETY AS A PRIORITY

ACT is packed with numerous technical solutions to observe surroundings for obstacles and to be noticed by manually operated forklifts and personnel operating in the same area.



For safety, usability and legislation reasons, a touch-screen-designed UI is not always enough on its own. Tangible buttons indicate an imminent effect on the vehicle while the touch screen has been reserved for evaluation of the vehicle's state.

VEHICLE ID

Each vehicle has an ID visible on the truck and system level for quick identification at the field.

BLACK BOX

History data of sensors and system can be shared instantly with the help desk for problem-solving.

EMS

Button is positioned for easy reach on the side of the vehicle's display, ensuring safe operations around humans.

MESSAGE BOARD

The headline gives a brief description of the status with a symbol and a time stamp.

SOFT STOP

When human involvement is needed during automatic operation, this button can be safely activated to halt the operation.

OPERATION MODE SWITCH

The operation mode can be easily changed to, for example, maintain the vehicle.

VISUAL INFORMATION

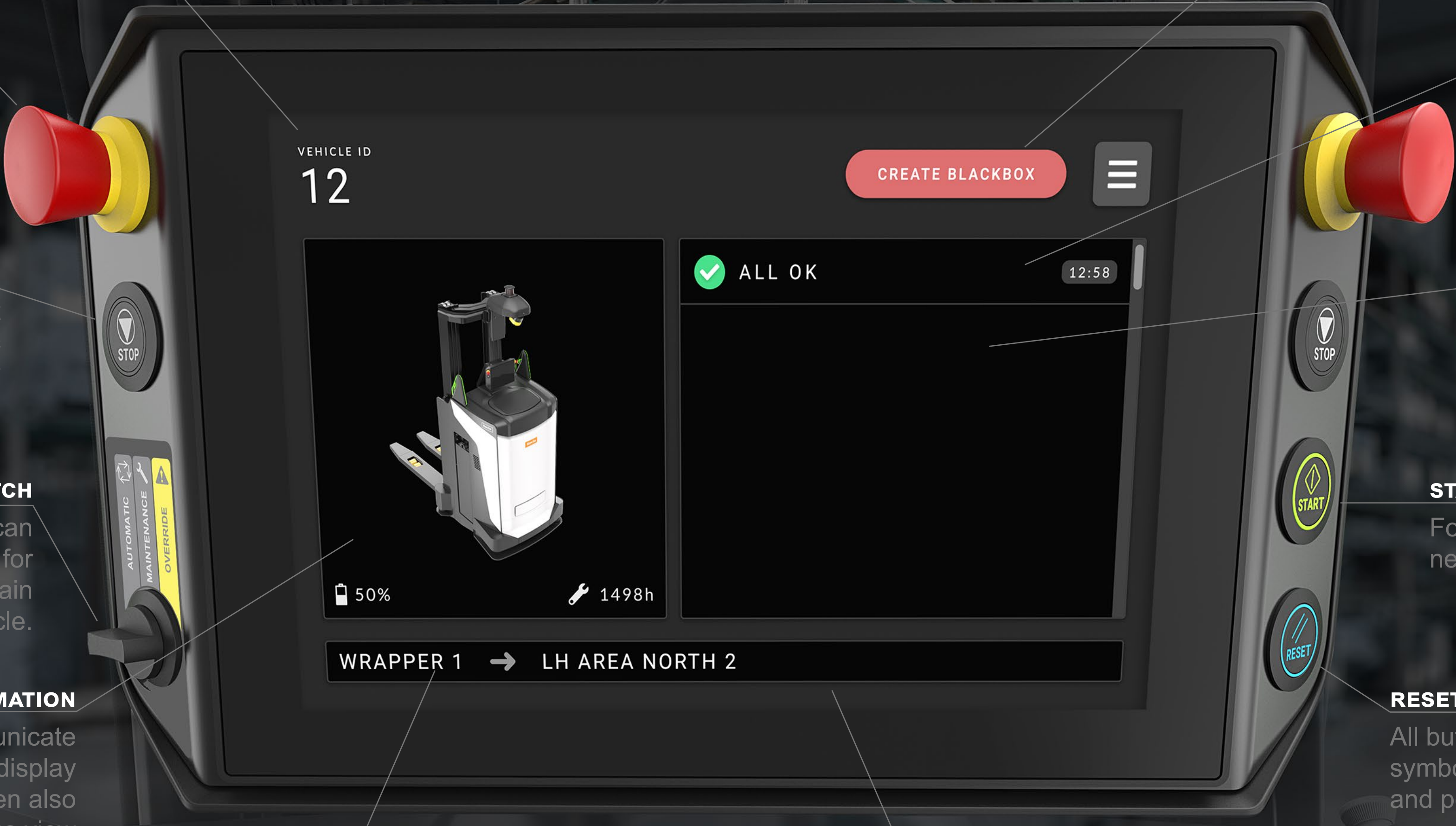
The graphics easily communicate the status of the vehicle. The display graphics are designed to be seen also from a distance. The graphics view supports the more detailed information on the right side of the screen.

DESTINATION

Situational awareness of the pick up and drop off addresses is essential when operating in a team of different vehicles and people.

BACKGROUND

The user interface background changes colour depending on the status of the truck.



INFO

Detailed information and step-by-step guides to inform the operator.

START

For situations, when a start-up needs to be done manually.

RESET

All buttons have both text and symbols to facilitate understanding and perception.

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COLOURS

Vehicle, system, symbols and user interfaces reflect the same colour coding of vehicle status. Repetitional colouring helps users quickly recognise the vehicle's state and respond in upcoming situations well-prepared. Same colour-coding is reflected in FleetController's user interface – Dashboard. FleetController is a platform that connects all components needed to run and manage AGV operations.



**MITSUBISHI LOGISNEXT EUROPE OY IS A TECHNOLOGY-DRIVEN DESIGNER AND MANUFACTURER OF LOGISTIC SOLUTIONS WITH A PORTFOLIO OF DRIVER-OPERATED FORKLIFTS, AUTOMATION SYSTEMS, AND RELATED SOLUTIONS AND SERVICES.
THE AGV OPERATIONS WITHIN LOGISNEXT SOLUTIONS ARE KNOWN AS ROCLA AGV SOLUTIONS AND OPERATE GLOBALLY WITH HIGHLY SKILLED STAFF AND 40+ YEARS OF EXPERIENCE.**

Want to know more?

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