

YOU THINK
WE CREATE.

DCSI PRO

www.dcsi.pt

AUTONOMOUS INTELLIGENT VEHICLE

» Production and logistics optimization equipment.

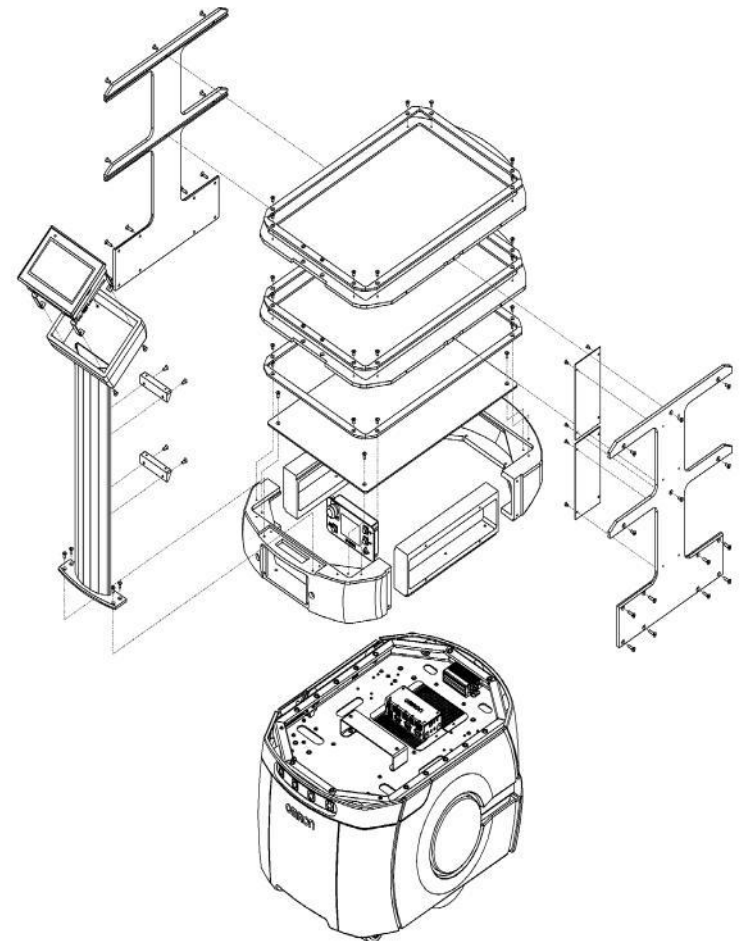
» With an aluminum frame, the robot's design fits Omron's standards – thought not to exceed defined limits.

3 SHELVES FOR

Tools
Raw material
Finished product

IN EACH SHELF

One or more boards



AIV'S FUNCTIONING

- The production management software sends a task to the fleet manager and it checks which robot is available to deliver the material, addressing the task to an operator.
- With the need to be manually controlled under the command of one or more users, an operator interface was created through an HMI.
- Operators call the robot through their computer, sending a request to the fleet manager.
- The robot moves to its station, optimizing its trajectory according to the factory map.
- It manages the paths and informs the operator of the part to be removed through an image on the screen and a green light on the shelf.



AIV'S CHARACTERISTICS

- Autonomous charging.
- Coordinated battery management to always ensure available AIVs.
- Sending voice messages to interact with the collaborators.
- Trajectory optimization according to the company's mapping.
- Strategic stand by points definition and automatic location.
- Performance statistics.



www.dcsi.pt



@dcsi-pro



@dcsi.pro

(+351) 234 929 010
info@dcsi.pt

Rua do Beduído 8 , Lote 9
Eco-Parque Empresarial de Estarreja
3860-529 Estarreja - Portugal