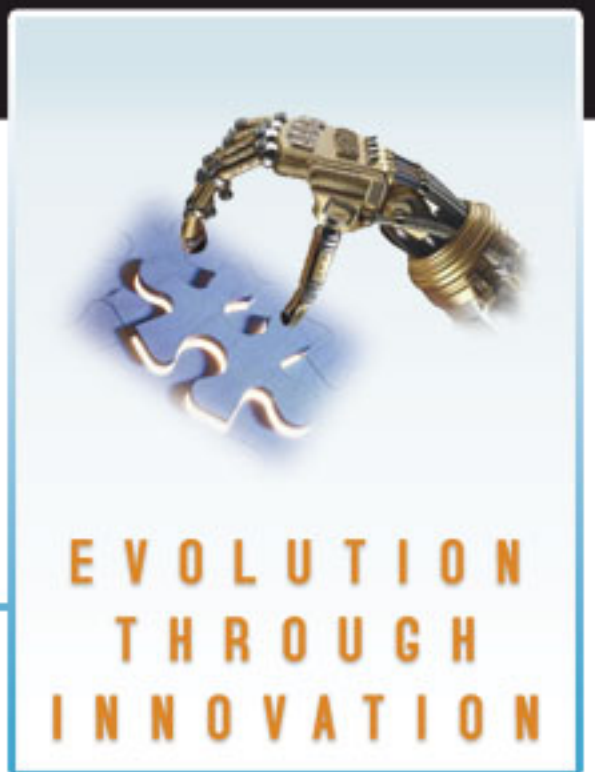


INTELLICART



The Intellicart is an automated guided vehicle, which can carry a payload up to 1.5 tonnes, with minimum human intervention. Equipped with obstacle sensors and safety mechanism, it ensures the operators and its own safety during the operation. Teach pendant provides interactive control to operator over Intellicart.

PROBLEMS SOLVED

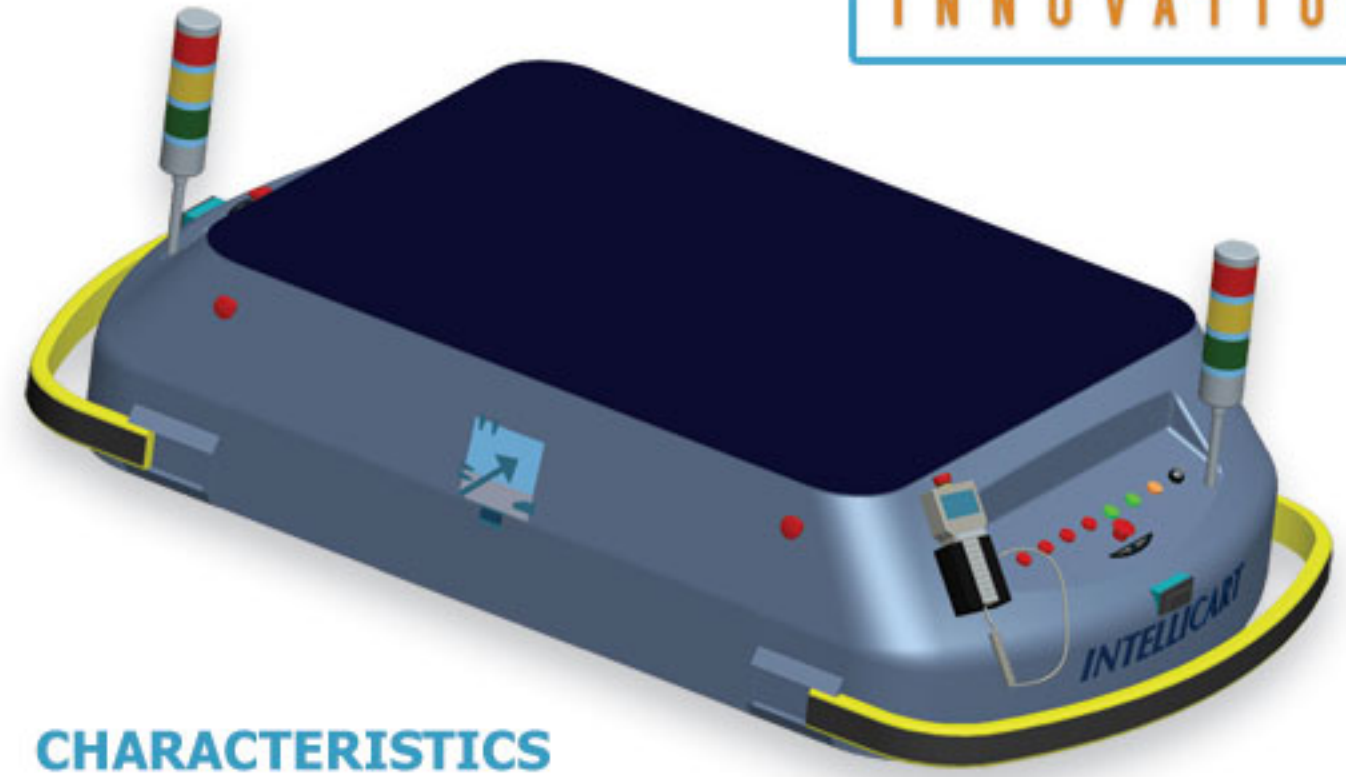
- Floor Space
- Productivity
- Inventory
- Ergonomics
- Disjointed Operations
- Labor

FEATURES

- Versatile
- Facilitate upgrades
- Reduce costs
- Multiple Guiding mechanism, any one can be used according to requirements
- Users can install and configure systems
- Load handling frame only (not Intellicart) customized for application
- Quickly reconfigurable for route changes
- Reduce operating costs
- Low initial capital expense
- Up to 1,000 kg payload
- Reduces potential for injuries

SAFETY WARNINGS

- Flashing warning lights while in motion with audio alarms
- Intellicart status indicators (on path/off path, low battery, etc.)



CHARACTERISTICS

- Single direction magnetic/ Color guidance/ Rail/ Vision Based guidance
- Passive transponder devices located along the pathway are sensed by the Intellicart to identify location and functions to be performed
- Teach Pendant control for off-path manual operation
- Warning alerts on teach pendant
- Hard E-stop
- Cart destination and pick points programmable through teach pendant

SAFETY DEVICES & FEATURES

- Hard Emergency stop buttons (multiple nos.)
- Safety Bumper
- Long range obstacle detection sensor on an Intellicart that allows the vehicle to slow down in warning zone and stop in protection zone
- Overload protection
- Short-range obstacle detection on side ways
- Power monitoring of critical devices
- Brakes to hold cart while in stop condition
- Controlled acceleration and deceleration while start and stop respectively

