







Innovation in station:

Collaborative automated luggage handler robot.























7 October 2016 Paris UIC Headquarters











Problematic



Problematic of the reception of Person with Reduced Mobility (PRM) in station :

- Occupational health risks for railway employees (backache due to transport of heavy luggage all day)
- Waiting time of PRM at the entrance to the station or arrival by train (due to the availability of railway employees)













Solution: Collaborative automated luggage handler robot assisting a railway employee that receives a PRM by following him automatically

Objectives:

- Best comfort for railway employees
 - > no backache for railway employees because no luggage to transport. This is done by the robot.
- **Best reception of PRM**
 - > reduced waiting time of PRM because railway employees divide up reception (1) employee for PRM, no need to have several employees for 1 PRM)
 - Quality reception : Railway employee is fully available for PRM















EffiBOT

Collaborative automated luggage handler robot.



EffiBOT

- FOLLOWS OPERATOR
 - MAX SPEED 7 KM/H
 - **EASY TO USE**
- OBSTACLE AVOIDANCE



EffiBOT HANDLING ROBOT







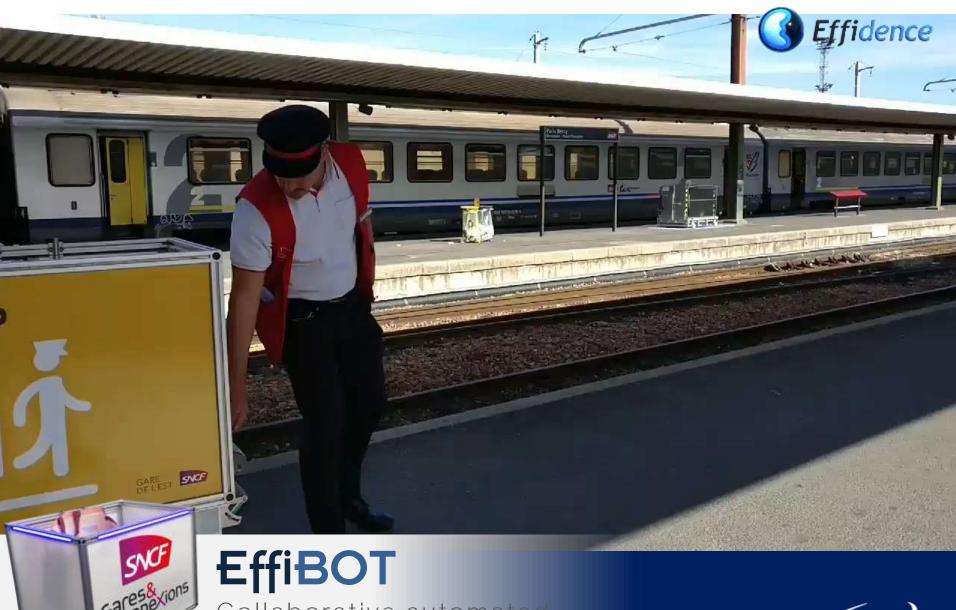


EffiBOT HANDLING ROBOT



"Follow-me"





Collaborative automated luggage handler robot.







Collaborative automated luggage handler robot.





Other railway applications of autonomous robots

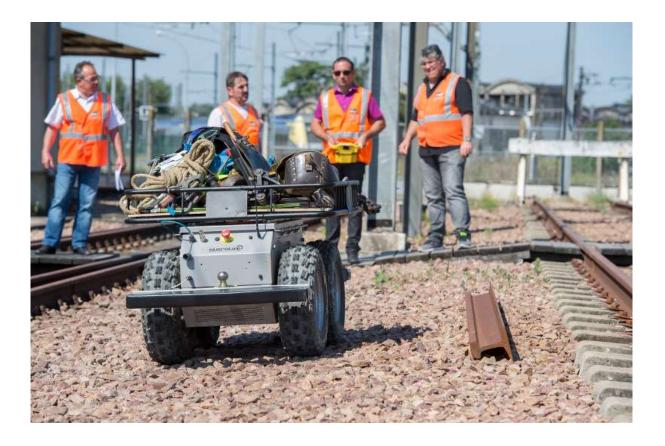




Railway maintenance sweet







Autonomous mode:

- Follow-me
- Conveying between two positions





Railway maintenance sweet





Autonomous mode:

- Follow-me
- Conveying between two positions









Who we are?







 French technological SME of 11 employees, founded in 2009 by Dr-Ing Cédric TESSIER 7 ans

- Designs and markets autonomous and collaborative mobile robot & autonomous navigation system
- Reecognized for our technological innovation of follow-me robots
- A development which relies on a network of international integration partners









EffiBOT Collaborative automated handler robo Effidence











Effinal Autonomous navigation system



People or car following

For any robot or vehicle

- Autonomous conveying between two positions
- Automatic guidance









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https://www.youtube.com/user/Effidence/playlists



