

# Seminar : NSTDA Annual Conference 2022

## Research application for autonomous vehicles

## “Autonomous Vehicle use cases in Thailand”

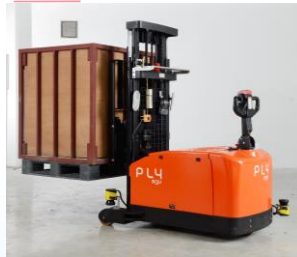
Wareemon PURAPATI, MD, Gensurv robotics    [wareemon@gensurv.com](mailto:wareemon@gensurv.com)



- Milestone Research & Development
- births of **many** thailand's mobile robots



2015-2016  
ROV (Remotely  
Operated Vehicle)



2017-2018  
Autonomous  
Forklifts



PL4<sub>agv</sub>  
พลาย เอจีวี



2018 FIN  
autonomous  
boat



## DD-Robot



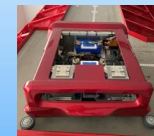
2019-20  
DD Navigation  
DD Fleet Management



2019-20  
Autonomous shuttle  
2021 5G



2021-22  
Autonomous  
Tow Truck





# Autonomous vehicles Applications



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Distribution center   Warehouses & ASRS



**NSTDA**

Ports



Factories Production lines & Packing

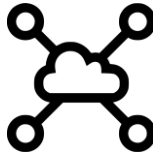





- Drivers shortage
- Accidents 
- Lack efficiency 
- **Sale opportunity loss**



# Benefits Mobile robots

- Less Labour 
- Reliability 
- Saving time & money \$
- Less accidents >94% 
- Connectivity & Real time DATA 
- Higher efficiency 



# Industrial Mobile Robots

## Laser guided Vehicles for Indoor&Outdoor

PL4<sub>agv</sub>

AMR: Auto Mobile Robots



Autonomous Tow Trucks



Autonomous Forklifts



Large Size & Special  
AMR



Autonomous Shuttle



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**GEN  
SURV**  
ROBOTICS



สวทช.  
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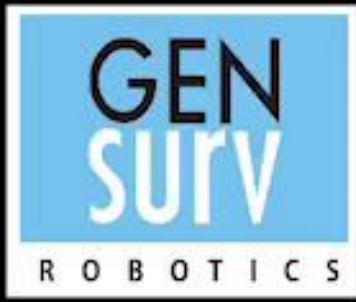
**GEN  
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**PLY** agv



สวทช.  
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DD Robot AMR



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