

# AFA ON ROBOTICS

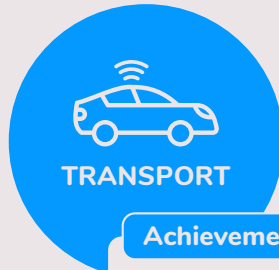
## A STORY SCRIPTED BY HUMANS & EXECUTED BY ROBOTS

### ONE COMMON GOAL:

Break the productivity frontier  
with robotics solutions

### TWO KEY AREAS: TRANSPORT & CLEANING

Stakeholders in these critical sectors  
were brought together to develop  
end-to-end robotics solutions



#### TRANSPORT

##### Achievement

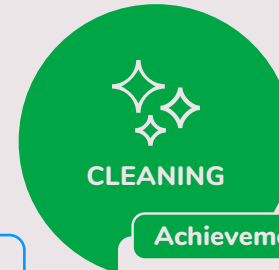
Deployed Singapore's first autonomous  
vehicle (AV) revenue service.

##### How it was done

Brought together various stakeholders  
from different parts of the value chain, such  
as developers, operators, academia and  
regulators, to conduct commercial trials of  
on-demand private bus services at Singapore  
Science Park 2 and Jurong Island.

##### Outcomes

- Gleaned insights on commuters' expectations of AV services, user experience, and feedback.
- Understand the optimal price point for running last-mile services using an AV fleet for future commercial deployments.
- Established track record for local companies to scale internationally.



#### CLEANING

##### Achievement

Established a set of commercial terms to  
enable greater adoption of robotics  
solutions in the cleaning sector.

##### How it was done

Engaged stakeholders across the value chain,  
including technology and service providers,  
and end clients, to identify challenges in the  
adoption of cleaning robotics. This provided  
good end-to-end insights that enabled the  
Afa to find standardised solutions to  
address the challenges identified.

##### Outcomes

- Defined standardised "classes" of robots, and their capabilities.
- Established a base for a viable procurement, and contracting model for end clients to adopt.

**“Not just individuals...their organisations, their alliances, their partners, their business contacts – all came in. We're not wasting this crisis.”**

Peter Ho  
Co-Lead, Alliance for Action on Robotics  
CEO of HOPE Technik



**“The Afa work has demonstrated that Singapore's public and private sectors have the collective will to take a different approach in developing new growth frontiers, to ensure a resilient economy for Singapore.”**

Vincent Chong  
Co-Lead, Alliance for Action on Robotics  
Group President and CEO of ST Engineering

