



# PAST DEVELOPMENT & ACHIEVEMENT

## Development

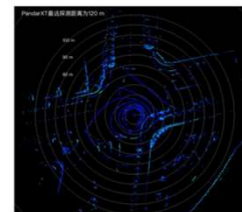


Demonstration under TD Witness

During the AV trial, HKUST AV team followed the testing procedures and evaluations outlined in the T/C MAX116-01-2018 guidelines. The team **conducted a total of 94 tests** to assess the performance and safety of the autonomous vehicles. The trial data we gathered played a crucial role in supporting the HKSAR Government in establishing a new regulatory regime specifically tailored for autonomous vehicles.

### 激光雷达

通过测定传感器发射器与目标物体之间的传播距离，分析目标物体表面的反射能量大小、反射波谱的幅度、频率和相位等信息，从而呈现出目标物精确的三维结构信息



With Yiqing's support in terms of AV knowledge and sensor functionality, TecMart is actively studying digital twin technology and assembling a team to enhance testing services for the upcoming era of AV business in Hong Kong.



10/2020

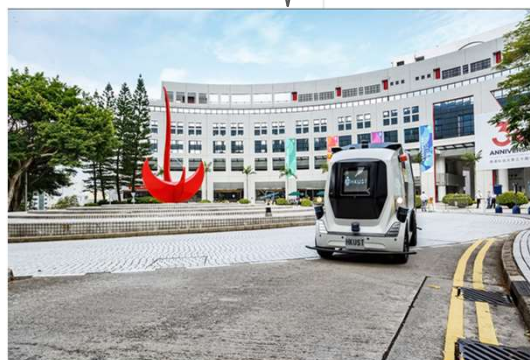
10/2022

09/2023

05/2024

## Achievement

The **first AV without an operator on board** in Hong Kong commenced in late 2020 on the HKUST Clearwater Bay Campus. HKUST OKT members worked with Prof Ming Liu's research team to perform the AV trial. The AV trial has received generous support from the Transport Department and the HKSAR Government.



Completion of HKUST AV Trial

TecMart was **founded by former members of HKUST OKT** in Sept 2023. They were subsequently invited by Yiqing to conduct AV trials and provide support for movement permit applications in commercial projects. Presently, TecMart is serving two organizations for the AV trial.



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