Annex

ST Kinetics' Autonomous Bus Prototype



The autonomous electric bus will have a full aluminium body and chassis, with low-energy consumption.

Radars and Sonars will cover the area within a distance of 10m in front of the vehicle and scan the surroundings before the bus moves off. Long Range Radars are installed to detect vehicles that are up to 200m ahead.

Cameras will be used to detect obstacles and supplement perception maps with environmental analysis and classification (such as road signs, traffic lights).

Size	12m (length) x 2.55m (width) x 3m (height)
Carrying Capacity	Configurable Standard: 36 seated, 33 standing, 1 wheelchair
Door	3-doors configuration
Maximum Operating Speed	Up to 60km/h, depending on operating scenarios
Typical Range	30 – 50km, depending on operating scenarios

Vehicle Specifications