THE FUTURE IS AUTONOMOUS

Designed for safety and comfort, our buses are driverless and 100% electric. Equipped with cutting-edge multi-sensor technology optimising navigation and safety features, the vehicles can operate in complex urban environments such as GPS deprived areas, tunnels and rain conditions.

INTELLIGENT MOBILITY SOLUTION

Ready to work with advanced transport systems, this intelligent mobility solution is vehicle-to-everything (V2X)-ready and communicates via 4G/5G and dedicated short-range communications (DSRC) networks.

ENHANCED SAFETY

Prudent decision-making and operation based on both what the sensors “see” as well as what may be hidden from view. Protected by automotive cybersecurity.

COMFORT & CONVENIENCE

Spacious and air-conditioned interior which is wheelchair accessible. Its Human-Machine Interface (HMI) provides interactive passenger support and Vulnerable Road User (VRU) notifications.

IMPROVED PRODUCTIVITY

Autonomous vehicle fleet management optimises operations for a range of platforms.

CAMERAS

Front, rear and internal cameras provide 360° all-round visibility.
Detect obstacles within 5 m

ULTRASONIC SENSORS

Detected obstacles within 5 m

Dedicated 2D & 3D LIDARS detect obstacles within a radius of 150 m

LIDARS

Unique HMI for passengers and VRU notifications

HMI

GPS system and sensors facilitate global localisation and navigation

PRECISE POSITIONING

Quick charging technology supports 24/7 operations

FAST CHARGING TECHNOLOGY

GPS system and sensors facilitate global localisation and navigation

PRECISE POSITIONING

Quick charging technology supports 24/7 operations

FAST CHARGING TECHNOLOGY
## Autonomous Buses

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (Length)</th>
<th>Width</th>
<th>Height</th>
<th>Weight (Curb)</th>
<th>Maximum Weight</th>
<th>Carrying Capacity</th>
<th>Typical Range (per charge)</th>
<th>Power</th>
<th>Charging Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>6.8 m</td>
<td>2.3 m</td>
<td>3.0 m</td>
<td>6,600 kg</td>
<td>9,000 kg</td>
<td>Configurable</td>
<td>Up to 50 km/charge</td>
<td>Lithium Titanate Oxide, 46.4 kWh</td>
<td>~10,000 charge cycles</td>
</tr>
<tr>
<td>Medium</td>
<td>12.0 m</td>
<td>2.55 m</td>
<td>3.00 m</td>
<td>10,200 kg</td>
<td>17,300 kg</td>
<td>Configurable</td>
<td>Up to 120 km/charge</td>
<td>Nickel Manganese Cobalt, 170 kWh</td>
<td>~10,000 charge cycles</td>
</tr>
<tr>
<td>Small</td>
<td>4.75 m</td>
<td>2.10 m</td>
<td>3.00 m</td>
<td>2,400 kg</td>
<td>3,450 kg</td>
<td>Configurable</td>
<td>Up to 150 km/charge</td>
<td>Lithium Ion Phosphate, 33 kWh</td>
<td></td>
</tr>
</tbody>
</table>
AV KIT

Customised solution for smooth self-driving

Our AV Kit can be readily fitted on any drive-by-wire-ready platform. The perception, localisation and autonomy modules can be configured to meet requirements.

An integrated solution, the AV Kit and all the different parts of our self-driving technology work together seamlessly in dynamic and complex environments.

Key Features

**SAE Level 4 Autonomy**
Capable of operating in dynamic environments such as GPS deprived areas, tunnels and rain conditions. Equipped with collision avoidance and overtaking features.

**Multi-layer Safety Management**
Our 360° sensors, proprietary collision and obstacle avoidance system ensures safety by tracking and reacting to vehicles, passengers and other traffic conditions. Comes with optional remote control features.

**Vehicle Platform Agnostic**
Proprietary high-level vehicle control software is compatible with different drive-by-wire ready platforms. Turns platforms autonomous at lower developmental costs and lead time.

**Inclement Weather Operations**
Works in harsh weather conditions to increase operational hours and ROI.

**Onboard Diagnostic Software**
Real-time diagnostic system ensures mission critical systems are always operational and operators are alerted to the faults before they occur.

**Embedded Cybersecurity**
Vehicle Controller Area Network (CAN) Bus intrusion protection and anomaly detection to deter hacking.

**Over-the-Air Updates & Remote Control**
Off-site software updates and control of autonomous vehicles movement and sensors in special situations.