

THE NEXT LEVEL IN FUEL ECONOMY



Through **our FuelNext philosophy, we ensure a cleaner and greener environment,** transport efficiency and driving comfort at its best.

We continue to shape technological transformations in the country. Our futuristic electric vehicle, **Magic Iris Electric**, a clean, eco-friendly passenger commercial vehicle, which comes with a segment-first solar charger makes this possible.

Flexible, green and economical transportation solutions that can be compared and accessed online are in high demand, especially in metropolitan areas. Demand for our mobility solutions are increasing due to our innovations.

The REVOTRON engine was developed using a range of eco-friendly and future-oriented technologies. This next-generation petrol engine incorporates latest know-how like multi-drive modes, allowing the best of economy and driving pleasure. The Advance Engine Management Systems (AMS) provides a digitally precise control for vehicle performance and emissions and offers the design of reciprocating components to ensure the best out of every drop of fuel.

Our range of Commercial Vehicles and Buses, follow a similar environmentally-conscious ethos. The **Starbus Urban FE**, a Parallel Hybrid Bus, ensures lower emissions, reduced running costs and improved mileage. The **Prima 4032.S LNG** offers a green alternative to diesel and is also a superior fuel compared to CNG thus ensuring better fuel economy. The **Starbus Urban 9/18 FE**, an Articulated Bus with its single deck and two sections carries more passengers, and retains the maneuverability needed in urban transportation (air cooled engine clean fuel option for public transport) besides reducing traffic congestion.

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ENHANCING FUEL PERFORMANCE

In order to enhance the fuel performance our vehicles, we partnered with Westport Innovations, which creates the world's most advanced natural gas engines and vehicles. We launched a new spark-ignited (SI) natural gas 3.8L turbocharged engine featuring the Westport WP580 Engine Management System (EMS). Designed to support many engine configurations, the Westport WP580 EMS will be applied to our 5.7L engine targeting medium-duty applications.

India has one of the largest natural gas light-duty vehicle fleets in the world. We see an enormous opportunity for natural gas trucks and buses with the development of fuelling infrastructure in the country. We are focused on increasing our market share of the natural gas vehicle and engine market by expanding our portfolio of natural gas engines.

Key features of Westport WP580 EMS

- ▶ **Unique engine control strategies**

Specifically tailored to maximize the performance of the base engine. Key benefits include reduced fuel consumption and emissions, increased vehicle load carrying capabilities with launch torque, and integrated vehicle functionality.

- ▶ **Compatible and cost-effective design with natural gas components**

With proven OEM track record, these natural gas components such as electronic control units and spark plugs have been fully validated for the application. They are manufactured to automotive industry quality standards resulting in high levels of reliability and lower cost.

- ▶ **Meeting current and future emissions profile**

The system is designed to meet Euro VI emission standards.

