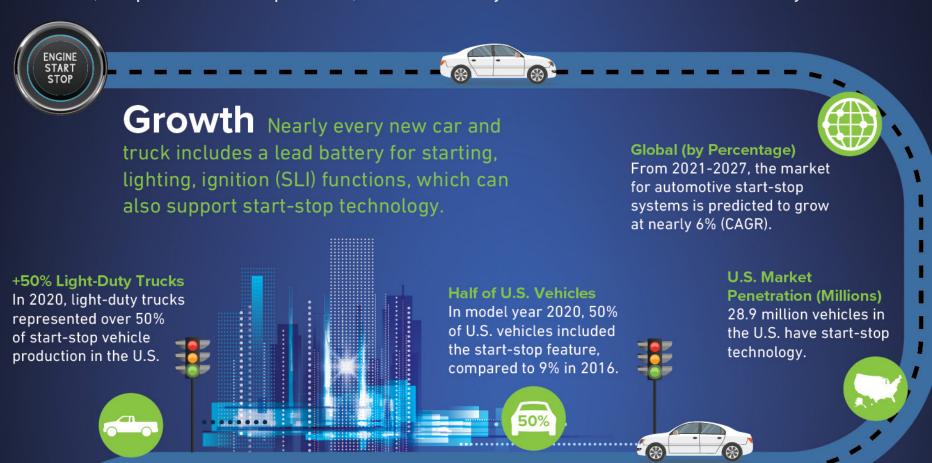
# START-STOP VEHICLES REDUCE EMISSIONS & BOOST FUEL ECONOMY

### **Lead Batteries Provide the Power**

Start-stop technology is a design feature used by most automotive manufacturers to meet the market demand of improved fuel efficiency, increased performance, and reduced emission of greenhouse gases. Made possible by advanced lead batteries, this innovative feature stops the engine when the car idles, keeps accessories powered, and seamlessly restarts when the driver is ready.



## Benefits Start-stop is essential to sustainable transportation.

#### Reduce CO<sub>2</sub> Emissions

Start-stop technology eliminates nearly 6.7 million tons of greenhouse gas emissions annually in the U.S.



#### **Boost Fuel Economy**

Engine-off time can yield fuel savings ranging from 3–10%.





#### **Driver Comfort**

Start-stop is quiet and seamless, with no loss in comfort, safety or entertainment functions.



#### Driver-Friendly Technology

- 1. Gas engine shuts off during idle.
- 2. Lead battery keeps accessories running.
- 3. Lead battery restarts engine when driver is ready.

#### Easy and Affordable

Automakers can easily apply start-stop technology to traditional internal combustion engines.





