

Two-mode parallel hybrid

developed by  **Allison**
Transmission



  **HYBRID**

JUST THE FACTS

about the remarkable **GM Allison Hybrid System**

- FACT:** An infinite number of gear ranges are available with an electrically variable transmission (other hybrids offer only a single gear range transmission)
- FACT:** GM Allison Hybrid System has operated successfully for more than 14,000,000 in-service miles with no single battery cell failures
- FACT:** The advanced Nickel Metal Hydride energy storage system has a 6-year target life and no requirement for battery conditioning
- FACT:** National Renewable Energy Laboratory (NREL) chassis dynamometer testing recorded a 75% improvement in fuel economy with the GM Allison Hybrid System on a Manhattan cycle compared to the same engine with a conventional powertrain
- FACT:** NOx reductions are up to 50% even with the latest 2.5 gram/hp-hr engines
- FACT:** Yosemite National Park reviewed all types of technology and chose the GM Allison Hybrid for their 18 hybrid buses
- FACT:** There will be over 400 buses operating by the end of 2005 with the GM Allison Hybrid System
- FACT:** Noise levels are approaching that of passenger cars (79 db @ 10 meters)
- FACT:** Every summer, thermal tests conducted in Death Valley since 2002 were successful with no hybrid failures

LEADERS IN ADVANCED HYBRID TECHNOLOGY

