XLhybrids™

Case Study

Yale University increases fuel economy by 23% with the XL3® Hybrid Electric Drive System

Challenge

Reduce the carbon footprint of Yale University's campus shuttles, as part of the University's "carbon tax" pilot program, which prompts behavior changes by "taxing" carbon dioxide emitted.

Solution

Upfit seven Ford shuttle buses with the XL3 hybrid system and the XL Link™ cloud-based big data analytics system to monitor and report hybrid vehicle performance.

Results

Yale University's fleet has a progressive sustainability initiative, including Goshen Coach 24-passenger shuttles built on Ford E-450 platform upfitted with XL Hybrids' XL3 Hybrid Electric Drive System. The shuttles transport students, faculty and Yale visitors around the campus and metropolitan New Haven area. The hybrid shuttles are delivering more than a 23% increase in fuel economy thanks to XL Hybrids' technology and are exceeding Yale's expectations for CO2 emissions reduction and fuel savings.

Additionally, Yale University has benefited from increased driver productivity with higher miles driven per gallon. Plus, the "green" branding on its buses shows students and faculty that the university is committed to sustainable practices. As a result, Yale has already reordered additional shuttles.

*Based on brake maintenance savings, fuel savings, and driver productivity.

Yale

Hybrid Fleet Electrification Numbers

23%
Improvement in Fuel Economy

99.9+%
Hybrid Vehicle Uptime

47 Tons
Projected Reduction in CO2 Per Vehicle

$22,000
Projected Lifetime Operational Savings Per Vehicle*

Vehicle Type: **Goshen Coach 24-passenger shuttles built on Ford E-450 platform**

For Sales Call: 617.718.0329
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