ABC COMPANIES

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DIESEL TO ELECTRIC REPOWER

Extend the useable life of your motorcoach fleet, while lowering operational costs and green house gases.

PROCESS

Evaluation to capture vehicle details including make, model, year and VIN for review by ABC and UES

Inspection for mechanical and structural integrity required for new battery electric components

De-contenting of equipment and components required for batteries, controllers, electric drive and auxiliary motors

Refurbishment of donor coach to customer specifications ranging from cosmetic and interior to suspension and mechanical

Repower including the complete installation and integration of all vehicle controls and systems

Commissioning of each vehicle to ensure thorough testing and quality control compliance

EVALUATION	INSPECTION	DE-CONTENTING	REFURBISHMENT	REPOWER	COMMISSIONING
20 - 40 HOURS	20 - 40 HOURS	80 - 160 HOURS	0 - 160 HOURS	120 - 240 HOURS	40 HOURS

EXAMPLE VEHICLE

REPOWERED VEHICLE SPECIFICATIONS

640 kWh Octillion Batteries
Dana TM4 Electric Motor
ABB 100 kW Charging Compatibility
GAE Bock Compressor
Grayson Battery Management System
Seico Brake Resistors
TM4 and Lense Inverters
Dynamic Braking

PERFORMANCE FIGURES

Range: 165 - 195 miles
Charging Time: 5 - 6 hours
Torque Rating: 3445 Nm
Max Power: 350 kW
GVWR: TBD (per donor vehicle)

DIESEL TO ELECTRIC COMPARISON

Acceleration	**+++**
Gradeability	**=**
Interior sound levels	**++**
HVAC performance	**=**
Passenger seating	**=/-**
Driver compartment	**=**
Luggage capacity	**--**

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UES
UNIQUE ELECTRIC SOLUTIONS