

CompleteCoach.com
800.300.3751



Your Transportation
Solution Providers



Repair Retrofit
Rehab

CCW, a company that

Wouldn't it be great if there was a company that could solve your transportation concerns with one stop under one roof?

A company whose expertise included: Emission solutions • Repowers • Natural Gas conversions • Hybrid conversions • Zero Emission Propulsion Systems

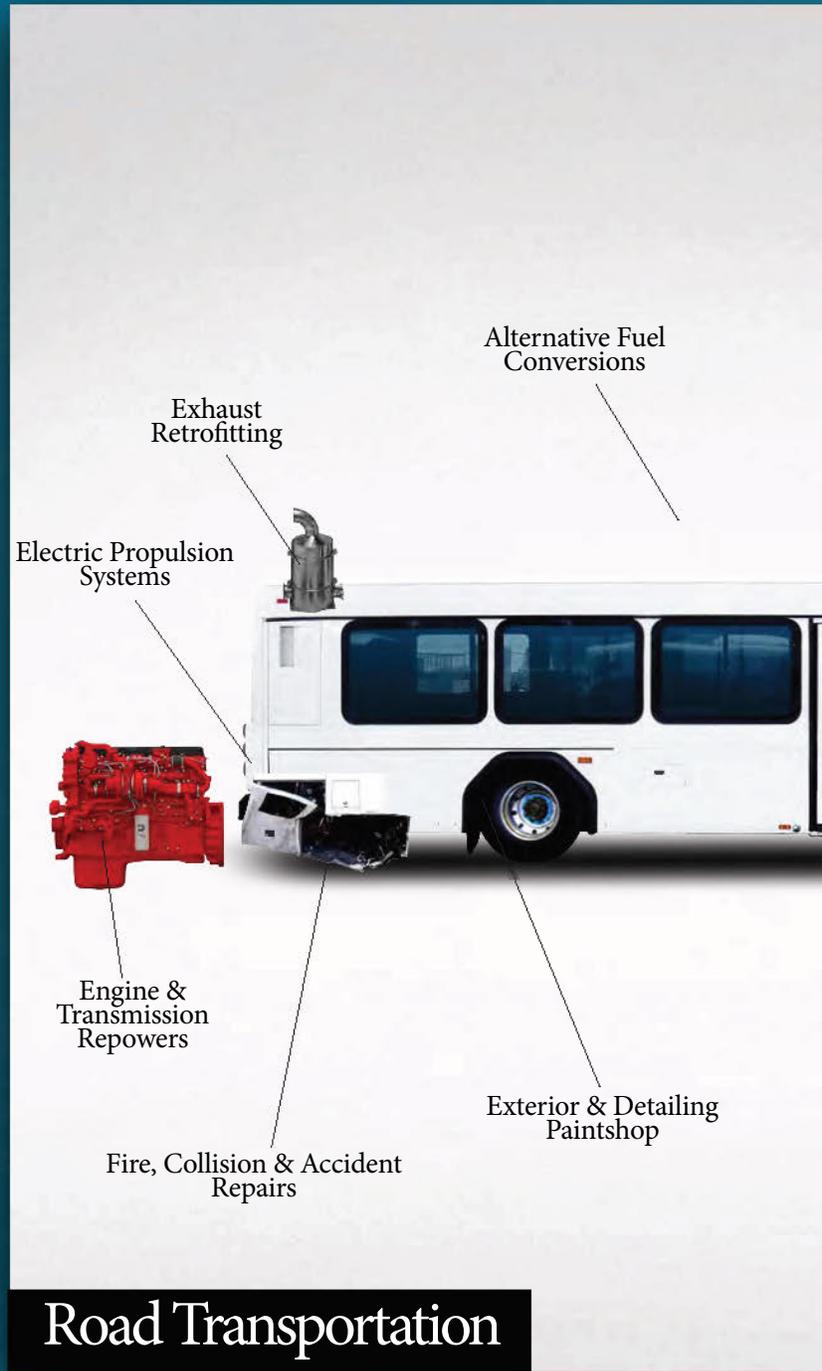
ADA compliance including: Wheelchair lift installations • Ramp retrofits, Reconditioning & Repair • Wheelchair lift reconditioning & repair • Seat Belt & Restraint solutions

Electrical solutions including: Multiplexing • Smart Bus Integration • LED & Digital Sign systems • AVL & Self Annunciating Bus systems • Fire & Methane Detection • Fire Suppression Systems • HVAC system repair, Maintenance & Upgrades

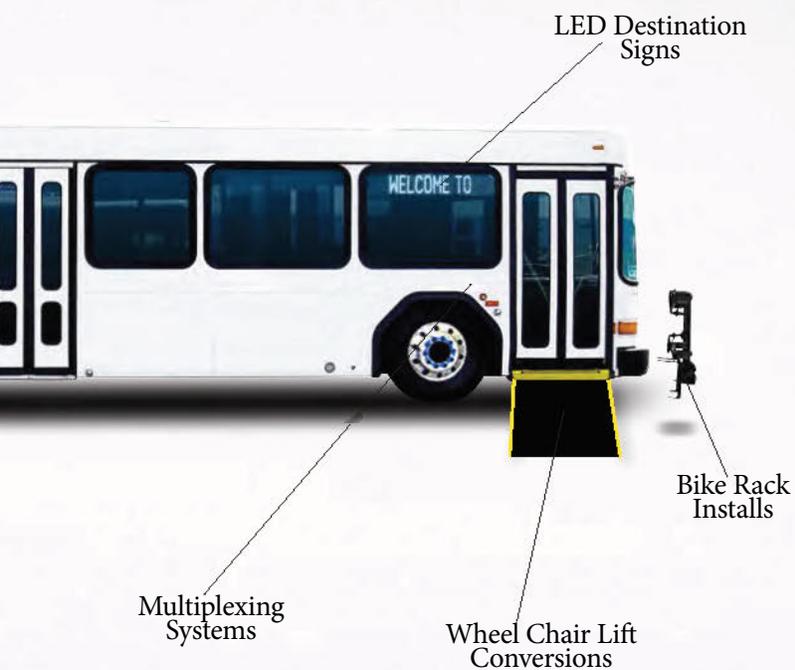
Complete Bus Remanufacturing & Reconditioning including: Paint & Body work • Accident & major collision repair • Fire restoration & repair

Wouldn't it be great if this same company offered full services for your rail side as well?

Interior rehab & reconditioning • Locomotive repair & reconditioning • Accident repair • HVAC system repair maintenance & upgrades • Wheelchair Ramp & Lift installations • Wheelchair lift/ramp maintenance & repair • Truck & wheel motor repair & reconditioning



at does it all!



Rail Transportation

...for over 3 decades
the experts at
Complete Coach
Works have provided
peace of mind
to thousands of
customers by being
their one stop shop.

ZEPS

ZERO-EMISSION PROPULSION SYSTEM



The Remanufactured All-Electric Transit Bus

- Built on proven American bus chassis
- Ultimate in emission & waste reduction
- Seamlessly integrated motor control system for an optimized transit application
- Charging system that actively balances batteries to maximize range and cycle life
- Parallel energy storage system that optimizes efficiency and reduces downtime



The chassis frame and structure are remanufactured to like new condition and high quality paint and graphics are applied

Windows are rebuilt with new seals, latches and energy efficient glass or polycarbonate

Door systems are completely remanufactured and safety and interlock systems are upgraded to comply with current regulations



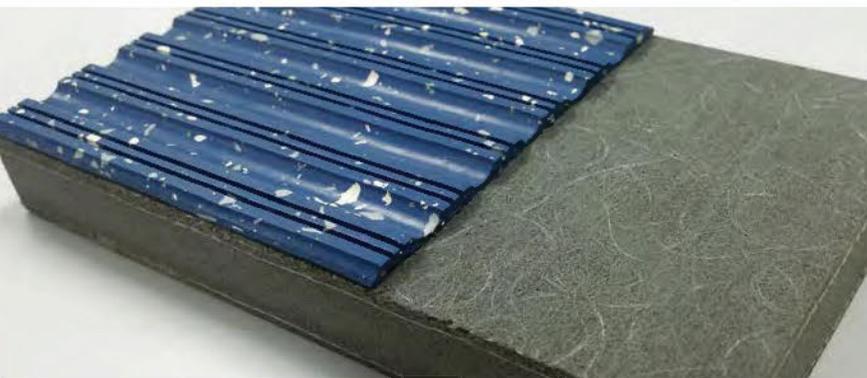
State-of-the-art all-electric propulsion system

New lightweight aluminum wheels & low rolling resistance tires are installed

New suspension, break pads, air bellows, wheel mounts, and steering wheel linkages are installed

Wheelchair ramps are rebuilt to new OEM specifications and the bus is updated to comply with current ADA regulations

SMART MATERIALS: Lightweight & Energy Efficient for Extended Range



Composite Light-Weight Flooring

Instead of using heavy marine grade plywood flooring, we utilize high-density polyurethane foam reinforced with layers of fiberglass. The no-rot and light-weight advantages of foam combined with the structural properties of fiberglass make these composite panels an excellent replacement material for wood. In addition, we also utilize light weight rubber flooring to reach a combined weight savings of over 600 pounds, while having stronger rot and corrosive resistance to the elements.

Energy-efficient LED Lighting

By utilizing LED Lighting throughout the bus we have cut down the lighting energy consumption by two-thirds. The life of a high-power white LED is projected to be from 35,000-50,000 hours, compared to 750-2,000 hours for an incandescent bulb. A conventional light bulb wastes most of its energy as heat. For example, an incandescent bulb gives off 90 percent of its energy as heat, while a compact fluorescent bulb wastes 80 percent of its energy. Since LEDs contain no glass components, they are not vulnerable to vibration or breakage like conventional bulbs.



All Electric Drive System

The ZEPS bus includes state-of-the-art inverter and motor technology. The system provides maximum torque at start and smooth acceleration profile. The High voltage distribution and DC-DC converters are integrated into a single box to reduce number of components and improve product reliability. The system operates at 350V DC giving perfect balance of safety and performance. The intelligent telemetry system collects all critical system parameters allowing remote monitoring and troubleshooting.

Intelligent Climate Control System

Intelligent Climate control system is critical for passenger comfort. The ZEPS bus provides intelligent climate control that maintains perfect internal temperature in all-weather conditions. The all-electric roof top mounted air conditioning system provides uniform cooling at all vehicle speeds and loads. The energy efficient system is twice as efficient as traditional water based cooling systems and is 50 percent lighter in weight.

Other Environmentally Friendly Alternative Fuel Conversions For Your Fleet.



Refuse Trucks Converted to CNG for Garden City Sanitation



Yolobus Transit Buses repowered with Compliant CNG Engines and Electric Cooling Systems



Trucks Converted to CNG for PG&E



When it comes to **green technology**, Complete Coach Works has expertise that spans multiple transportation modes, from buses to utility and dump trucks, from waste disposal to off road equipment, our team of experts at Complete Coach Works can show you the many options available to meet your fleet's specific needs and engineer a solution customized for you. Many older buses can be revitalized with a simple repower or fuel conversion to either alternative fuels or electric drive systems, allowing emission compliance while in many cases taking advantage of lower fuel costs available when using **natural gas** or **electricity**.

You may be one of many fleets that can benefit from an inexpensive retrofit, using particulate traps to bring your fleet into compliance. In many states, a simple repower to a current technology clean diesel engine will do the job. Complete Coach Works maintains a team of experts on emission compliance and we can work with you to develop a cost-effective approach to emission compliance.



Transit Bus Remanufacturing

Conserve Resources • Reduces Pollution • Ultimate in Sustainability



Saving the Enviroment one bus at a time

Finding everything in one spot has never been easier!

Multiplexing Systems

One of the leading causes of reliability issues with buses is old stressed wiring systems. Complete Coach Works can upgrade your coach electrical system with today's modern trouble-free PLC based multiplexing systems. Fewer wires and moving parts equate to a more robust and trouble-free system. Let our trained experts show you the benefits and feature-rich environment a PLC system can provide for your buses.

Emission Compliance

Emission compliance can come in many forms and options. Let the team of experts at Complete Coach Works show you the many cost-effective options available to meet your fleet's specific needs and engineer a solution customized for you.

Modifications & ADA Upgrades

Our work for fleets such as Napa Valley Transit, St. George SunTran, YOLO County and transit fleets from coast to coast has included the installation of Q'Pod stations to existing fleets to minimize disruption to seated passengers, shorten dwell times and simplify the entire securement process. The finished retrofit looks factory new.



Our industry experts deliver the best results. Everyday.

Collision & Fire Repair

Do not take chances leaving your bus repairs in the hands of untrained body shops. Your transit vehicles are expensive assets and buses are unique vehicles with sophisticated air brake systems, air operated door systems, PLC and Multiplexed control systems, complex wheelchair platform or lift systems and highly sophisticated HVAC systems. In addition to the structure and bodywork, multiple systems could need repairs in the event of a collision or fire. Complete Coach Works technicians have the specialized training, OEM qualifications and specialized tooling to properly diagnose and repair these systems. Our expertise will assure you that your bus will come back properly repaired and ready for revenue service.

Repowers

Many older buses can be revitalized with a simple repower or fuel conversion to either **alternative fuels** or **electric drive systems** allowing emission compliance and taking advantage of lower fuel costs available when using **natural gas** or state-of-the-art **electric drive systems**.



Body-work is professionally performed and the buses have a new high luster paint job

Entrance and exit doors are rebuilt including rebuilt motors, bearings and bushings



Batteries are new heavy duty transit cycle rated

The front and rear suspensions are completely remanufactured and all moving parts are new

Glazing - Windshields and passenger windows, front and rear door glass are new and graffiti free.

Brake systems are completely remanufactured including new drums, linings, brake treadle valves, brake interlock valve cluster and relay valve

Our team of experts bring each bus up to spec with today's demanding new standards, from drive train upgrades that meet stringent EPA or State and Local Emission standards to ADA compliant accessibility, to full Interior and Exterior rehabs to improve any fleet's curb appeal.

A completely remanufactured bus from Complete Coach Works will save you hundreds of thousands of dollars while providing your customers a bus with the look, feel and performance of a new bus seamlessly integrated with today's technology.

Front and Rear Bumpers - Bumpers and wheel well flares are repaired to look like new

Power Steering - The steering gear box is remanufactured and all moving and wear items of the steering system are replaced

Engine Closure Doors - Doors are remanufactured including gas struts, latches and hinges

Differential - The differential is remanufactured to OEM specifications

Steering Wheel and Column - The steering column is completely remanufactured to OEM specifications

Roof Escape Hatch and Ventilator- Seal and hardware is replaced



Exterior Lighting - All exterior lamps are to be replaced with new LED lighting



Engine and Transmission - Remanufactured engines and transmissions, new radiator and CAC package and remanufactured engine components assure safe reliable operation as well as EPA emission compliance



Seating - New driver's seat features state of the art air suspension systems with multiple adjustments for optimum driver comfort.



Wheelchair Ramp Overhaul - Wheelchair lifts or ramps are completely remanufactured



Exhaust System - Entire exhaust system is replaced including a new particulate trap



Destination Sign - New state of the art LED sign systems including front, side and rear destination signs assure ADA compliance



Rail Collision Repair, Interior Rehabs, and much more.

Working in the most demanding environments, honing their skills with dedication, hard work, and years of experience, Complete Coach Works team of dedicated rail technicians bring you expert craftsmanship and technical expertise to quickly tackle your most demanding requirements.

Whether your need is for locomotive accident repair and mechanical rehab, or passenger car repair or reconditioning, our team is ready to provide solutions, regardless of how small or large the job may be. Perhaps its time to revamp that old inefficient HVAC system or tune it up, and get it ready for summer, we can help.

Over the years, we have remanufactured trucks systems, completely overhauled and redesigned HVAC systems, converted old inefficient and costly reciprocating compressors with efficient cost effective scroll type units and increased



HVAC efficiency while reducing weight, vibration and noise. Our team has designed specialized bicycle racks to allow riders the ability to stow their bikes vertically on rail cars. We have also designed sunshade systems, wheelchair lift retrofits, and retrofitted windows.





COMPLETE COACH WORKS



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Parts Department

New - Used - Rebuilt

Interested in purchasing transit bus parts? We carry millions of parts from engines, transmissions, blower motors, camera systems, exhaust systems, seats, windows, and other miscellaneous parts.

Call us today.

1.800.300.3751



SBL specializes in designing flexible leases that accommodate customers' individual needs in a variety of industries, including parking shuttle service, public transit, theme parks and universities. Leases are tailored to suit short, medium and seasonal term requirements.

www.SBL.com

1.800.Bus.Sale



Transit Sales International (TSI) specializes in supplying quality used transit buses. We have a wide selection in all models and interior configurations to meet your needs.

www.TransitSales.com

1.800.287.7253