



CLARK
TESTING

TESTING FOR THE

TRANSPORTATION

INDUSTRY

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Since the advent of public transportation in the 1800's, fleet owners have struggled with the challenge to ensure reliable services. The mechanical and structural stresses exposed to public transit equipment create an inherent need to simulate conditions and test equipment to achieve optimal reliability and safety. At Clark Testing, we have a long legacy of providing the transportation industry with simulation, equipment validation and testing services to ensure OEM equipment will meet the rigorous demands of this industry. With our numerous test disciplines and over 125,000 square feet of laboratory space, Clark is uniquely positioned as one of the leading US laboratories providing environmental simulation and design verification for the public transportation industry. We look forward to continuing our long standing relationship with OEMs in APTA and the public transportation industry as a whole to ensure the safety and reliability of their manufactured products.

Please find out more about us at:

ClarkTesting.com



WHO WE SERVE:

Heavy Rail

With many major cities depending on heavy rail systems to keep people on schedule, safety becomes a definite priority. We help keep things moving by testing to ensure that each component meets the latest government and industry standards.

Light Rail

Since the 1890's cities have relied on light rail systems to easily transport people short distances within the city. These systems have their own unique set of safety standards and regulations. Our experts are well versed in these requirements and know how to keep these systems operating at the highest level.

High Speed Trains

You many think that high-speed rail is just a speeding train, but the truth is in order to reach higher speeds very specific standards for the rail system must be met. Clark Testing provides the necessary tests to ensure that these trains are able to run smoothly while maintaining high speeds.

Trolleys

From the smallest part of the Trolley to the attached electrical wires, we are able to test each part to determine proper working conditions. Let our team keep your trolleys connected and on time.

Buses

These vehicles take our kids to school and get us to work on time. This is why it is so important that they are functioning at a high level. Through different types of testing from structural to environmental we help to keep buses running efficiently.

People Movers

Sometimes referred to as trams, people movers allow for rapid transport in a confined area. Keeping the tracks and the cars in proper working order is our goal. Let us help you to keep the people moving.

OUR SOLUTIONS:

Component Testing

Whether large or small, a vast array of component testing is performed by Clark Testing on a daily basis:

- Axle
- Brakes
- Bearings
- Electronics
- Frame
- Hydraulic / Pneumatic Systems
- Seats
- Shocks
- Suspensions
- Transmissions
- Oils

Powertrain

Our well-equipped facility is capable of testing vehicles, sub-assemblies or individual components for a wide variety of performance parameters as well as system durability and efficiency for anything from heavy off-road industrial equipment to high performance motorized competition vehicles.

Structural

Clark Testing has been active in experimental stress analysis, strength and fatigue testing of structural components, beam fatigue and systems for over 50 years. Products tested range from small machine components to large off-highway vehicle frames.

Vibration Testing

Clark Testing has the experience and capabilities necessary to assist you with your new and current product development. Our service will formulate realistic solutions that can be implemented within the confines of your budget and current product development schedule.

CMS/ Lubricants

Our Condition Monitoring Services Laboratory provides oil analysis and diagnostics to enhance maintenance programs. Our CMS Lab assists maintenance professionals in the early detection of equipment problems, and in predicting future machine reliability.



OUR SOLUTIONS:

EMI/EMC

Clark Testing has a unique laboratory in the mid-Atlantic region that can offer EMC/EMI testing along with seismic, shock, vibration and environmental testing. Whether your project is in the design, development, or pre-compliance and qualification stages, our experienced staff will provide you with top quality and timely results.

Hydraulics & Pneumatics

Clark Testing has been active in testing hydraulic-pneumatic components and systems for over 50 years. A large selection of equipment, instrumentation and test benches are available to support your testing program. Component performance can be evaluated over an extreme temperature range.

Field Service

Our Field Service program is designed to help companies obtain and evaluate on site performance data. This includes measurement of critical operational characteristics such as stress, strain, vibration, noise, temperature, and numerous others. This capability provides companies with crucial test data that can be used from the initial R&D phase to field issues that occur after the product is in service.

Unparalleled Industry Resources

Clark Testing takes great pride in our Technical experts which have Real World experience and know exactly what it takes to bring you product through the most challenging test programs. These experts will work with you from start to finish to help ensure a flawless testing experience. This is coupled with the physical test equipment designed specifically for your products testing needs.



