

A man with grey hair and a beard, wearing a light blue suit jacket, white shirt, and dark tie, is looking down at a smartphone in his left hand. His right hand is holding a grey cable with a loop. The background is a blurred industrial or factory setting with overhead lights and machinery. The image is overlaid with a large blue graphic element consisting of several curved lines that sweep across the bottom and right sides of the frame.

CONFIDENTLY
consolidated

Mass Transit
Test Solutions

Turnkey Maintenance Solutions Providing a Lifetime of Support

Maintaining a State of Good Repair for Onboard and Wayside Assets

With challenging targets and severe penalties for failure, the efficient and reliable maintenance of electronic circuits over their long working life is critical to the operation of mass transit systems.

Many of the world's largest transit organizations, including over 80% of those in the USA, rely on Astronics for the test, repair and support of their electronic circuits in trains and track-side equipment.

Our in-depth understanding of the demanding requirements of these maintenance and repair workshops allows us to provide solutions that perfectly meet the challenge.

With a proven test and fault identification capability for modules, including door controllers and braking systems, we provide the complete capability for you to become self-sufficient. We can provide services covering repair, refurbishment and re-manufacture, enabling you to keep your electronic circuits working.

Universal, Consolidated Test Solutions

Test all of your critical electronics systems with our comprehensive solutions, consolidating the work of many testers into one.

Consolidated Automated Bench Test Equipment (CABTE)

ATS-500



ATS-3100 PXI INTEGRATION PLATFORM



Portable Test Equipment (PTE)

CTS-6000 RADIO TEST SOLUTION



FREEDOM R8100 LMR TEST SOLUTION



Key Areas of Expertise

1. Door Controller
2. Propulsion Systems
3. Brake Systems
4. Signs-CIIS, SIIS
5. Doppler Radar Speed Detector



Benefits of Consolidated Mass Transit Test Solutions

- » Shorter repair times
- » Inventory reductions and cost savings
- » Enhanced safety
- » Specification compliant contracts
- » Extended operational life & obsolescence mitigation
- » Increased uptime

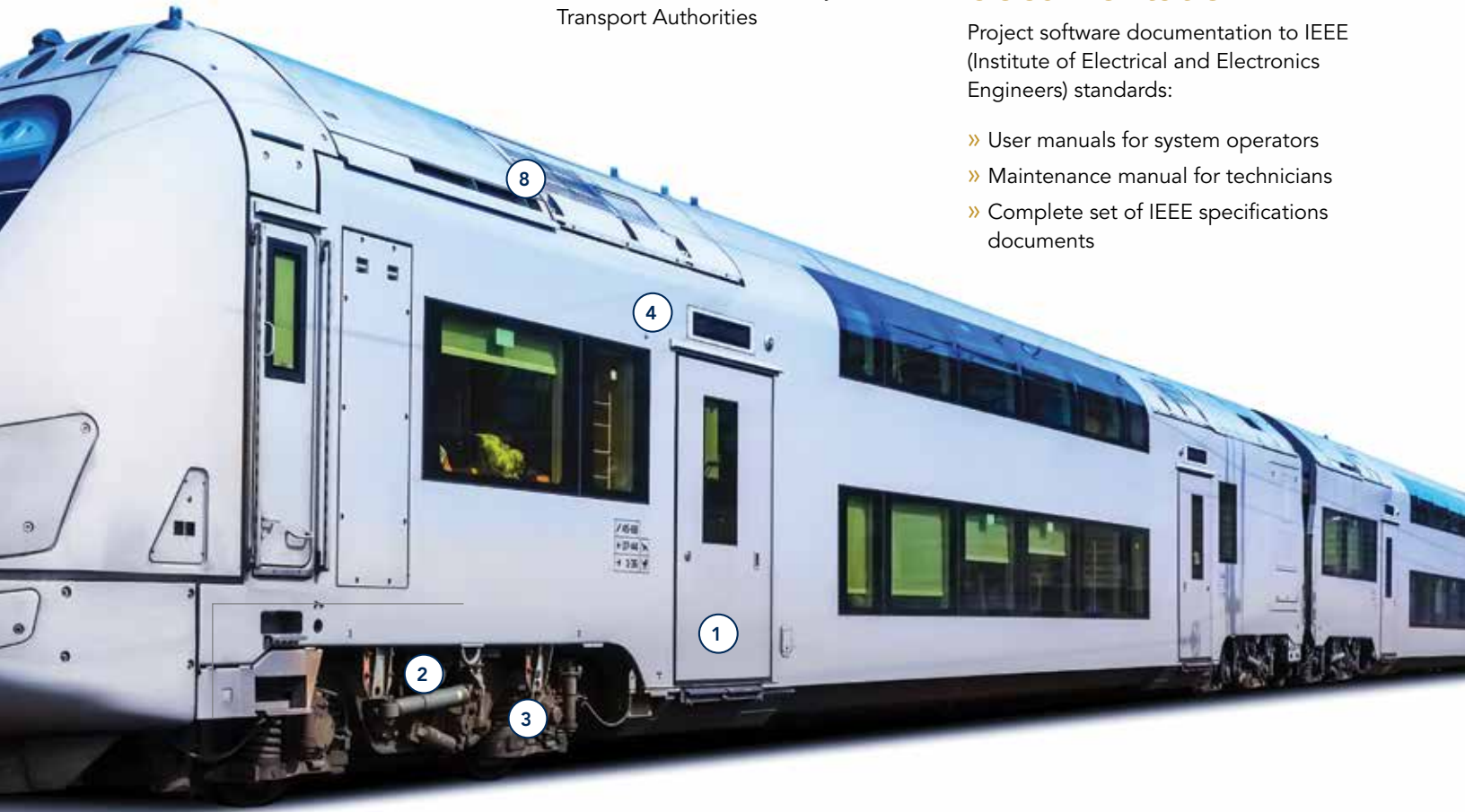
Why Astronics?

- » Complete turnkey solutions
- » Accepted by major rail suppliers
- » Specification compliant contracts
- » Proven track-record with major Transport Authorities

IEEE-compliant software documentation

Project software documentation to IEEE (Institute of Electrical and Electronics Engineers) standards:

- » User manuals for system operators
- » Maintenance manual for technicians
- » Complete set of IEEE specifications documents



- 6. Event Recorder
- 7. Communication Systems
- 8. HVAC (Heating, Ventilation, Air Conditioning)
- 9. Train Operator Display

- » P/BRK Assemblies
- » ATO/ATC (Automatic Train Operation/Control)
- » High Speed Circuit Breaker
- » Auxiliary Power Supplies
- » Inverters

- » ERVC (Electronic Relay Valve Control)
- » Logic Cradle
- » TCU (Temperature Control Unit)
- » Master Controller
- » Supervisor & CCU

Astronics Test Systems: Your Mass Transit Test Solution Specialist

Diagnosys and Freedom Communication Technologies are now part of Astronics Test Systems (ATS). With our synergistic capabilities now combined under ATS, we bring over 60 years of demonstrated test expertise to address your toughest maintenance challenges. Our proven solutions are helping maintain a state of good repair and keeping millions of riders safe across North America today. A partial list of our customers includes:

New York Metropolitan Transportation Authority
Kawasaki Rail Cars
Massachusetts Bay Transportation Authority
MTA Maryland
Dallas Area Rapid Transit
Bombardier Transportation
Toshiba
CSX Transportation
Norfolk Southern
Amtrak
Washington Metropolitan Transit Authority
BNSF Railway

Metropolitan Atlanta Rapid Transit Authority
Alstom
Siemens
Long Island Rail Road
Port Authority Trans-Hudson
Southeastern Pennsylvania Transportation Authority
Bay Area Rapid Transit
Toronto Transit Commission
FUJI
TOA Corporation
Mitsubishi
Stadler

Certifications

These certifications represent our commitment to quality, safety, environmental standards, and efficiency.



Astronics Corporation (NASDAQ: ATRO) serves the world's aerospace, defense, and other mission critical industries with proven, innovative technology solutions. We work side-by-side with customers, integrating our array of power, connectivity, lighting, structure, interior, and test technologies to solve complex challenges. For 50 years, we've delivered creative, customer-focused solutions with exceptional responsiveness. Today global airframe manufacturers, airlines, military branches, completion centers, and Fortune 500 companies rely on the collaborative spirit and innovation of Astronics.

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TEST SYSTEMS

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