

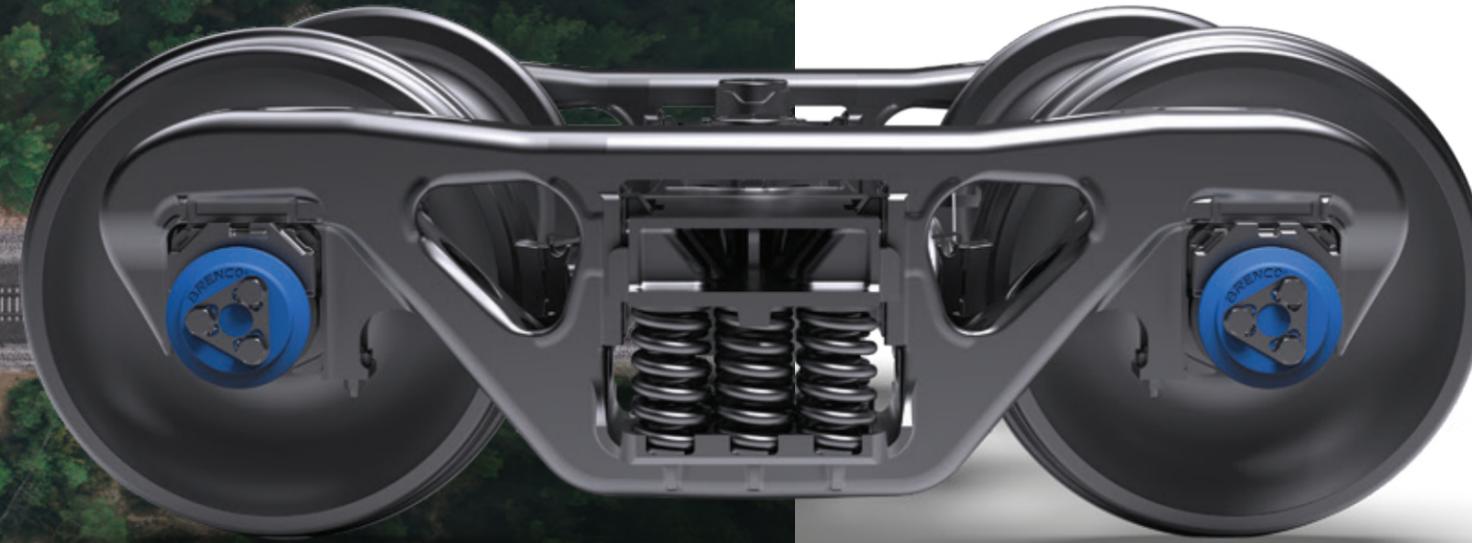
# RELIABILITY WHEN IT MATTERS MOST

THE WORLD'S  
TRUSTED  
CHOICE FOR  
RAILCAR  
SYSTEMS &  
COMPONENTS

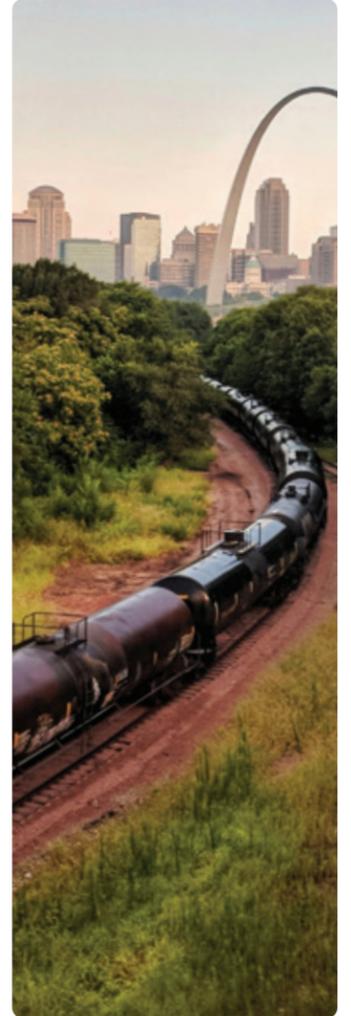
FREIGHT | TRANSIT | TELEMATICS



# LEADING THE WAY IN INNOVATIVE RAIL SOLUTIONS



**MOVING  
THE INDUSTRY  
FORWARD  
SINCE 1877**



## The gold standard for design and manufacturing

Every Amsted Rail part is expertly engineered to achieve seamless integration with other components for efficiency, longer operating life and lower maintenance costs. Utilizing state-of-the-art manufacturing technology, proprietary processes and stringent quality control measures, each product is crafted to meet exacting specifications. Our world-class testing capabilities are among the most comprehensive in the industry, ensuring durability for the long haul.

**FULLY INTEGRATED  
FREIGHT RAIL SYSTEMS  
& COMPONENTS**

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**COMPREHENSIVE  
TRANSIT RAIL  
SOLUTIONS**

08

**TELEMATICS &  
FREIGHT RAIL FLEET  
MANAGEMENT**

10

**A WORKFORCE  
DRIVEN BY PURPOSE  
AND PRIDE**

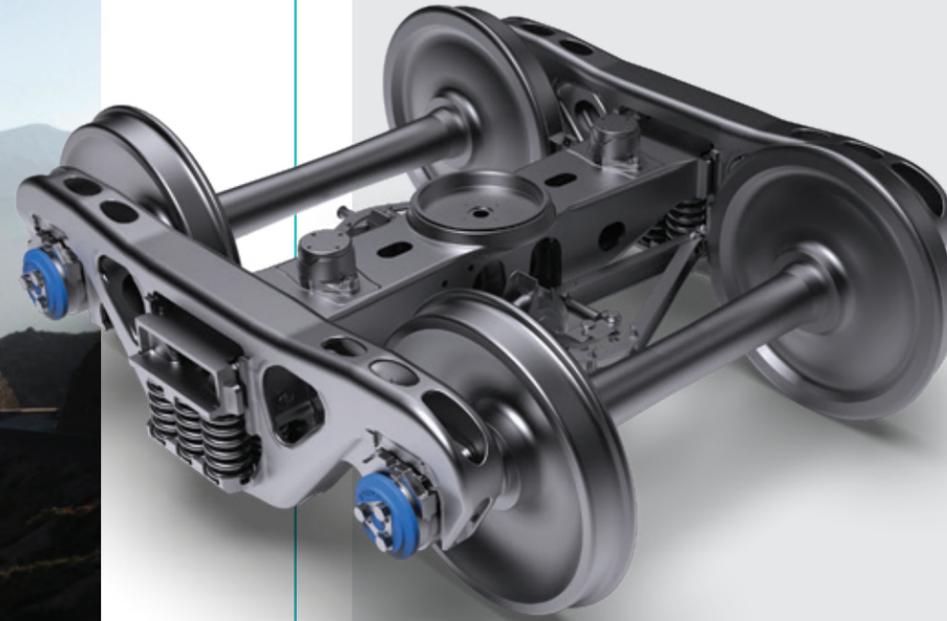
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**AMSTED RAIL  
AT A  
GLANCE**

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# FULLY INTEGRATED FREIGHT RAIL SYSTEMS & COMPONENTS

Amsted Rail builds virtually everything under the railcar—from wheels, axles and bearings to brake systems, end-of-car energy management systems and more. In many categories, we are the industry leader; in every category, we set the standard for proven performance and reliability.



## Bogie systems

Around the globe, Amsted Rail bogies regularly exceed the million-mile barrier, even in the harshest operating environments. Our proprietary designs maximize stability and longevity while delivering increased payload and utilization.

**The Motion Control® bogie was the first to achieve unconditional AAR M-976 approval and is the most commonly specified bogie system available.**



## End-of-car systems

Amsted Rail's end-of-car systems offer robust protection capable of withstanding substantial in-train and yard impacts, protecting the railcar as well as its lading. Our fully customizable end-of-car systems meet customers' unique needs while driving cost savings through reduced maintenance, minimal downtime and extended service life.



## Braking systems

With the broadest array of advanced braking equipment in the industry, Amsted Rail is committed to delivering exceptional braking reliability. The acquisition of service-proven Ellcon National brake products bolstered our portfolio even further.

**The innovative IBEX® truck mounted brake system is the lightest and most durable brake system available, offering longer service life and increased payload.**

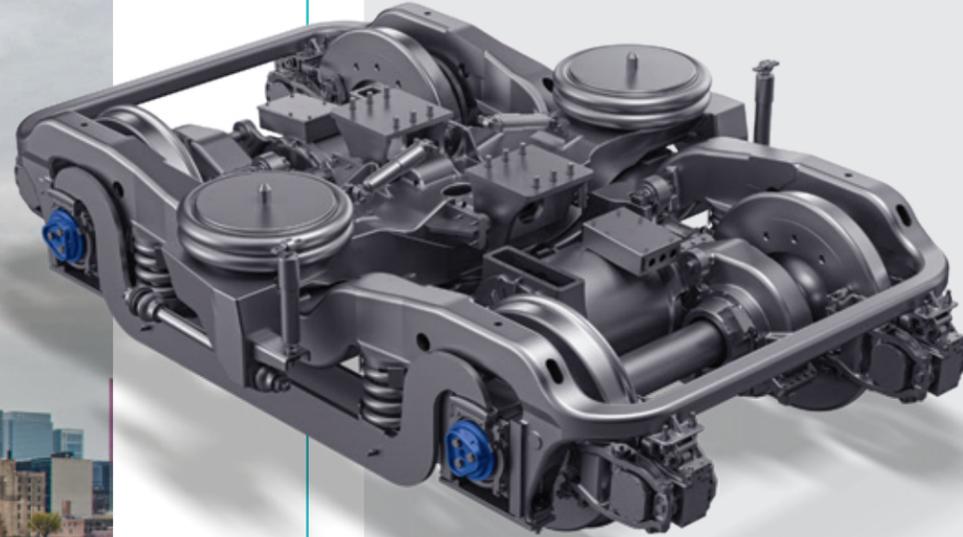


## Locomotive solutions

Amsted Rail offers the industry's most rugged locomotive components, all designed to take on the heaviest loads under the most extreme conditions. From wheels and axles to bearings, coil springs and draft gears, we manufacture to each customer's specifications for performance that's out in front.

# COMPREHENSIVE TRANSIT RAIL SOLUTIONS

Building upon our 150-year heritage of industry-leading freight rail expertise, we've brought our design and manufacturing mastery to the transit rail industry. With this expansion, Amsted Rail is committed to providing a complete offering of transit rail bogie systems, end-of-car components and engineering and reconditioning services with the same level of excellence that has defined us for over a century.



## Bogie systems and components

Amsted Rail's powered and unpowered transit bogie systems come fully assembled and ready to roll under the car. With thousands of bogies currently in operation, our cast steel bogie systems have demonstrated the lowest lifecycle costs in the industry. Each product meets or surpasses standards set by the FRA, AAR, PRIIA and APTA.



## End-of-car systems and components

Amsted Rail's end-of-car components are designed to function as a system, ensuring optimal performance and reliability. With thousands of these systems currently in service across the United States, transit operators trust their durability and effectiveness. Optional crash energy management systems are available for added safety and protection.



## Reconditioning and engineering services

Amsted Rail has the in-house engineering and production capabilities to inspect and overhaul most manufacturers' bogies and end-of-car systems and recondition them to "like new" specifications. We also offer an array of engineering services, including internal modeling, dynamic simulation expertise and in-house testing facilities to validate and deliver customer-specific solutions.



## Proudly made in the USA

Headquartered in Chicago, Illinois, Amsted Rail designs, engineers, tests and manufactures our entire suite of transit products in the United States. Throughout the heart of America, our state-of-the-art facilities combine our operational expertise with a manufacturing footprint that continues to grow with the country's expanding rail needs.

# TELEMATICS & FREIGHT RAIL FLEET MANAGEMENT

Amsted Digital Solutions Inc., a subsidiary of Amsted Rail, offers telematics and software services that alleviate the burdens of freight rail fleet management for shippers and asset owners alike. By combining Amsted Rail's real-world freight railway experience with a dedicated team of software developers, telematics experts and data scientists, we're able to help fleets increase utilization, minimize downtime and reduce costs.



## Fleet management software

Amsted Digital Solutions brings the complex ecosystem of freight rail logistics—typically managed in spreadsheets and multiple third-party systems—into one user-friendly platform. Our proprietary Supply Chain Visibility™ software features a comprehensive suite of fleet management tools, equipping rail logistics professionals with the tools and data they need to excel.



## Onboard telematics

Our fleet management solution is enhanced by the addition of our innovative onboard monitoring devices. The IQ Series gateway is a first-of-its-kind telematics device with an array of built-in capabilities that virtually eliminate the need for specialized external sensors. When mounted on a bogie and configured with Bogie IQ technology, the IQ Series gateway is capable of providing real-time onboard health monitoring in addition to the GPS tracking capabilities of traditional gateways.



## IQ Series™ gateway with Bogie IQ® technology

- ▶ GPS benefits such as accurate mileage, dynamic ETA, geofence alerts, and first- and last-mile validation
- ▶ Load state change
- ▶ Impact detection
- ▶ Bogie IQ wheelset condition monitoring
- ▶ Bogie IQ brake performance monitoring



## Professional services

Amsted Digital Solutions employs experienced and respected industry professionals specializing in forward-thinking and cost-effective railcar fleet management, from shopping events and scheduled maintenance programs to analyzing fleet utilization and operating costs. In addition to fleet management services, we are the leading choice for engineering and regulatory services. Depending on an organization's specific needs, Amsted Digital Solutions can supplement or integrate with existing teams, freeing up customer resources to focus on other tasks.



SCAN TO LEARN MORE AT AMSTEDDIGITAL.COM



# A WORKFORCE DRIVEN BY PURPOSE AND PRIDE

Amsted Rail employs more than 7,500 individuals worldwide, all united by a shared commitment to transparency, sustainability and progress. Our culture of ownership and innovation empowers every member of our team to contribute to the success of our business and our customers alike.



## Our mission

To improve the safety, reliability and efficiency of railways



## 100% employee-owned

As a member of the Amsted Industries family of companies, Amsted Rail is 100% employee-owned. The employee stock ownership plan (ESOP) functions as a retirement savings vehicle that helps to close the gap in wealth disparity for our US employee-owners, allowing us to give back to those who drive our success. Though a financial benefit first and foremost, shared ownership through the ESOP also instills a sense of pride and purpose. A spirit of ownership permeates all our locations and business units, and all of our workers are dedicated to our stakeholders and our communities.



## Our vision

To be the global leader in innovative, integrated, fully assembled railcar undercarriage and end-of-car systems



## Our values

- ▶ Act safely above all else
- ▶ Show passion for the customer
- ▶ Operate with dignity and respect
- ▶ Choose world-class over great
- ▶ Embed an ownership mentality



## Ensuring a sustainable future

Amsted Rail's sustainability efforts collectively steer us toward a well-rounded and responsible approach to conducting our business operations. By prioritizing the well-being of our people, the preservation of our environment and the strong governance of our operations, every aspect of our business is anchored in integrity and accountability for the long-term benefit of our employees, customers and communities.

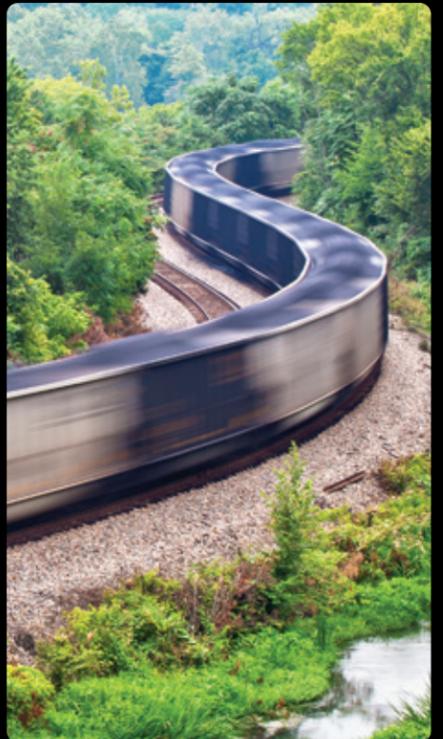
# AMSTED RAIL AT A GLANCE

**40+**  
LOCATIONS WORLDWIDE



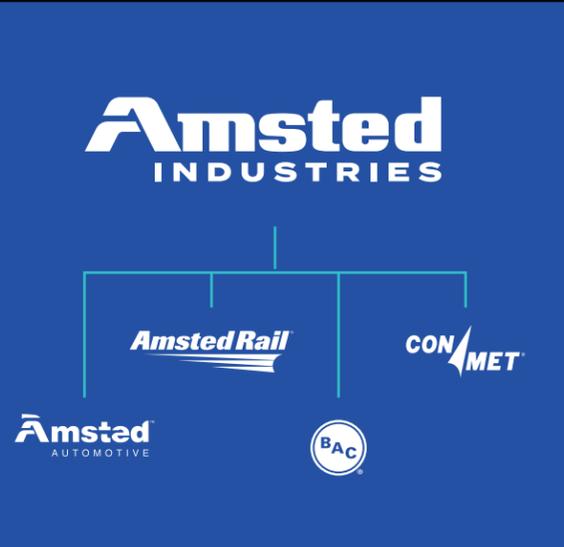
## Expanding footprint for global reliability

With over 40 locations spanning six continents, including a presence in every major railroad market, no one can match Amsted Rail's track record for prompt delivery and responsive customer support. Our global network provides our customers with access to cutting-edge rail solutions wherever they are, while our expertise in local rail operations enables us to develop innovative solutions tailored to diverse operating conditions worldwide.



## Part of diversified manufacturer Amsted Industries

Amsted Rail is part of Amsted Industries Incorporated, a diversified global manufacturer of highly engineered industrial components serving primarily the rail, automotive, commercial vehicle and construction markets. A leader in each of the market segments it serves, Amsted Industries is privately held and employee-owned, giving employees a shared interest in its present and future successes.



**7,500+**  
EMPLOYEES



INNOVATING SINCE  
**1877**

- 

**1877**  
Griffin Wheel is founded
- 

**1902**  
American Steel Foundries (ASF) is founded
- 

**1917**  
ASF acquires Griffin Wheel
- 

**1948**  
Keystone Industries is founded
- 

**1949**  
Brenco, Inc. is founded
- 

**1962**  
ASF is renamed Amsted Industries Inc.
- 1999**  
Amsted acquires Keystone and Brenco. Keystone is renamed to ASF-Keystone, Inc.
- 

**2008**  
ASF-Keystone, Griffin Wheel and Brenco are merged and renamed Amsted Rail Company, Inc.





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SCAN TO  
LEARN MORE

