



The Future of Freight Rail

Mobile Railcar Monitoring

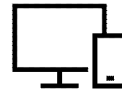


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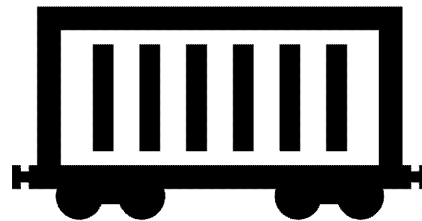
Integrated Data Communication



Cellular data
backhaul



Accessible web
platform, APIs



Low Power Wireless Sensors



Predictive condition
monitoring



Live location
tracking

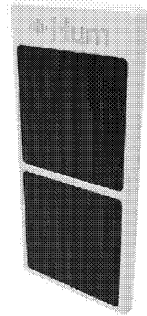


Automated
safety alerts



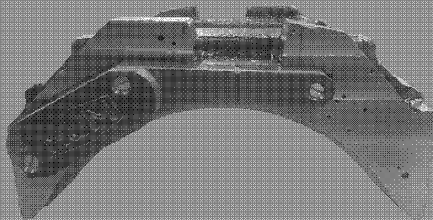
High impact
detection

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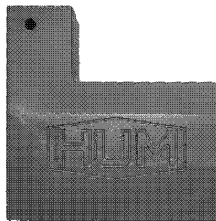
Gateway Communications Hub

- GPS location tracking
- Cellular data backhaul
- Sync any number of Hum devices
- 7+ year battery life



Boomerang Wheel & Bearing Sensor

- Temperature & vibration monitoring
- Predictive failure algorithm, 100,000 mile notice
- Passive track monitoring
- 7+ year battery life



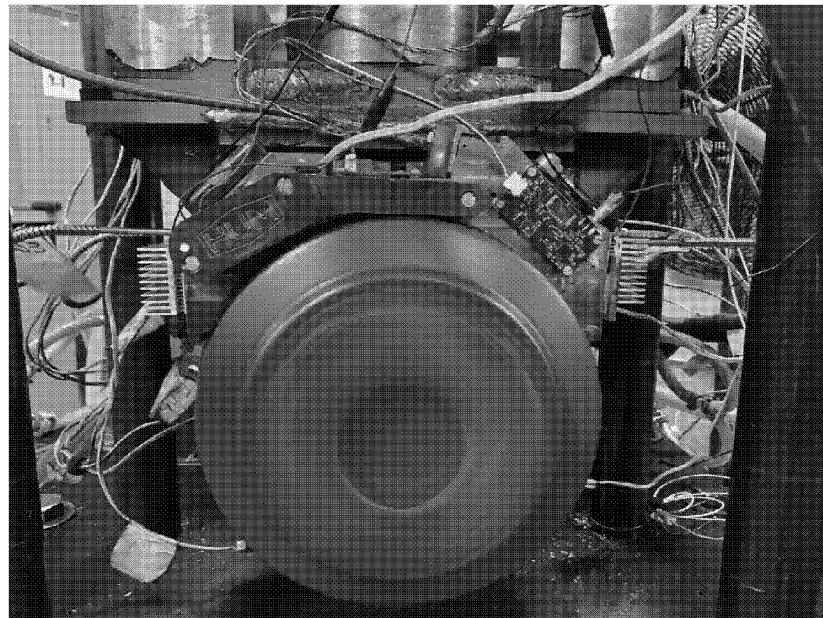
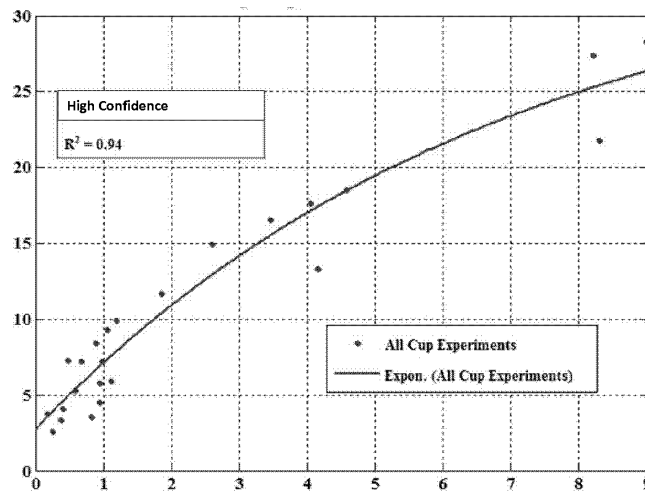
Open Top Hopper Valve Sensor

- Designed exclusively for Lexair pneumatic valves
- Remotely monitor valve position to prevent gates opening suddenly
- 10+ year battery life

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Predictive Wheelset Maintenance

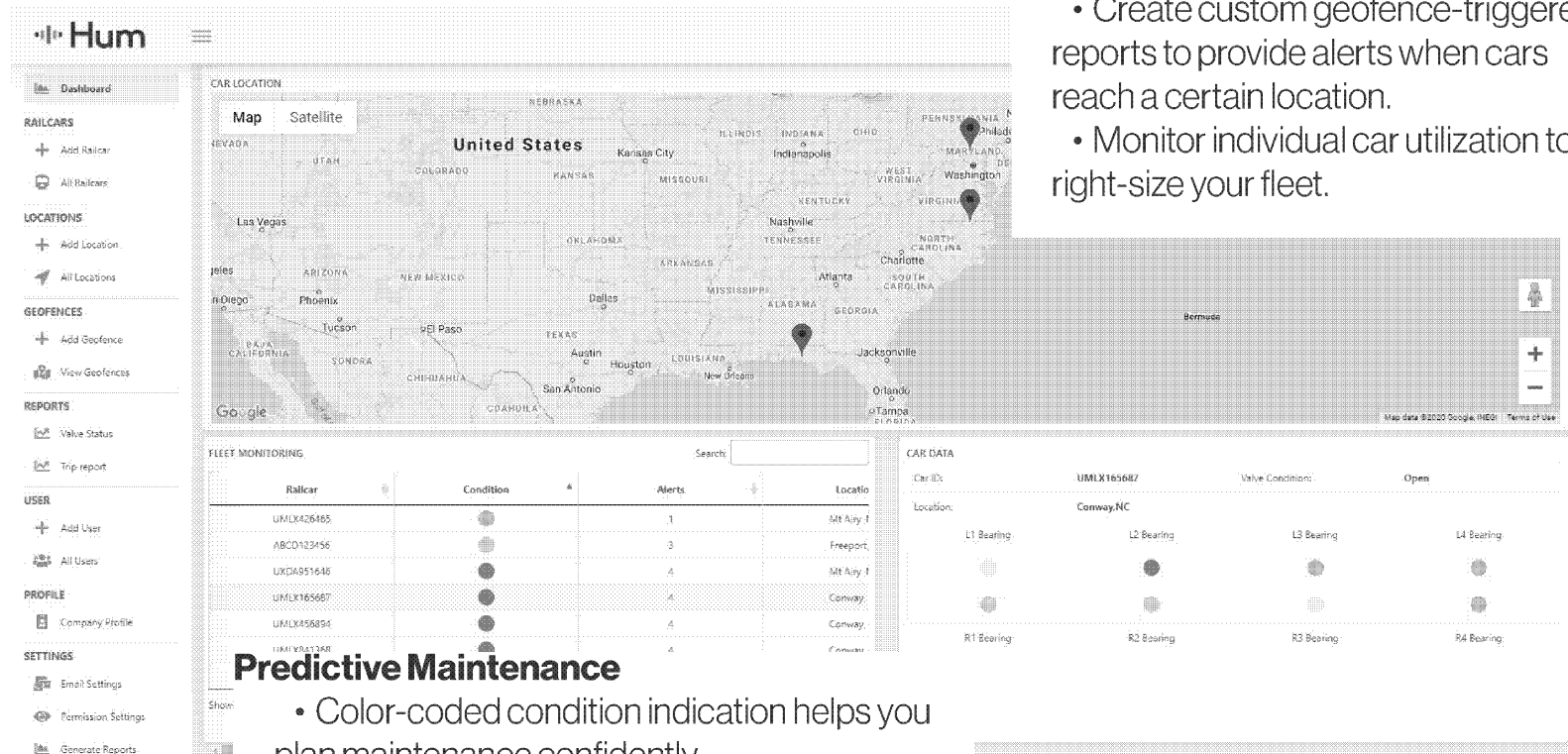
- Proprietary algorithm built on 15 years of research
- Accurate condition report within minutes
- Identifies damaged bearings, wheels, and rail track



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Fleet Visibility

- Track any car, any where, any time.
- Create custom geofence-triggered reports to provide alerts when cars reach a certain location.
- Monitor individual car utilization to right-size your fleet.



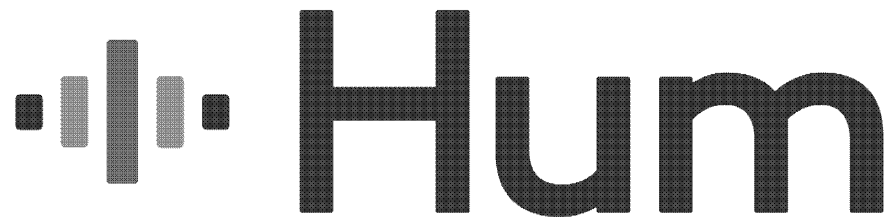


Brent Wilson, PhD
Chief Technology Officer

- + Former Head of R&D at Amsted Rail, 10 years
- + PhD in Railcar Bearing Failure
- + Deep rail industry experience

Byron Porter
Chief Executive Officer

- + Former Rail Ops Manager at major Grain Shipper
- + Grain loading optimization expert



Contact Byron Porter to schedule your demo today:

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