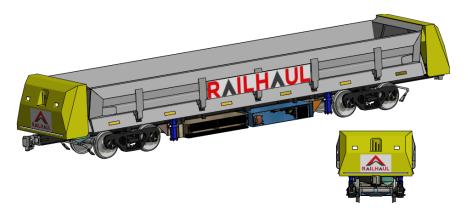


RHT RailHaul Technologies Inc.

RailHaul is a Canadian company focused on the development and commercialization of electric, self-propelled, semi-autonomous, heavy haul freight rail car systems. https://railhaul.ca



We integrate proven components and systems in our designs for low risk, high reliability client configured haulage solutions, uncovering new opportunities by applying the latest technology and thinking for overlooked steel wheel on steel rail niche applications, making them economically attractive and also environmentally friendly and sustainable.

We have invested a decade in Research & Development, secured the necessary Intellectual Property Patents, and are now commercializing the technology. The initial focus is for open-pit mining applications, ports, and remote communities where the operating duty cycles strongly benefit from our innovative technology approach to provide much improved value, productivity, and lower emissions. In the vast majority of application opportunities we do not compete with locomotive hauled trains and mainline railways, but become a preferred feeder to them.

Our business model is to own and manage the overall engineering and system design, with manufacture and servicing coordinated through strong, experienced, and capable local partners, while always maintaining control & leadership for all technical & commercial agreements and customer relationships.

Value Proposition

The RailHaul system has many potential use cases:

- Open-pit mining, underground mines, surface mines
- · Remote community or stranded resource assets
- Coastal and inland ports



RailHaul provides a competitive alternative to heavy haul mine trucks and conveyor systems for mines, along with a more economic mode of access for ports and remote communities.

Our value proposition for most mine use cases is straight-forward:

- 25 50% less capital cost
- 15 25% less operating costs
- 10% 95% less emissions and green house gases

For ports and remote communities, the value proposition will vary based on:

- The comparative economics for other modes of access (road, air, tidal, other water, ice roads)
- Location, distances, and type of topography encountered (mountains, muskeg, waterways)
- The duty cycle and priority freight needs of the community or port:
 - Household goods (e.g. food, water, consumables, hardware etc.)
 - Fuel (e.g. diesel, gasoline, jet fuel, CNG, LNG)
 - Resource extraction (e.g. forestry products, mined products, agriculture)



RailHaul Technology: Self-Propelled, Heavy Haul, Freight Car System

The RailHaul system is based on a self-propelled transporter or hauler vehicle, operating semiautonomously or autonomously, individually or in a multiple unit consist, that can climb much steeper grades at higher speeds for added productivity than traditional rail or truck systems. Industry standard proven components and systems are used (batteries, engines, controls, semi & autonomous systems, propulsion, braking, bogies, track) to provide for a highly configurable low risk solution.

The RailHaul system utilizes modern standard gauge rail technology designed to be laid on basic road beds (e.g. secondary municipal road standard). Our system takes up significantly less space for what is normally required for heavy haul mine trucks, and the rail bed is less intensive and costly.

RailHaul Product Line: Transporters and Haulers

Both transporters and haulers are highly configurable self-propelled vehicles that can accommodate various customer requirements and applications.

Transporters carry onboard tonnage and provide pulling power and tractive effort in a dual side dump or dual slide / bottom dump configuration. Haulers provide pulling power and tractive effort only.



Transporters



All transporter models share the same base design capabilities:

- Up to 110 metric ton load capacity
- Two, 2 axle truck sets with up to 4 motor AC traction system as needed
- Semi-autonomous operation initially, fully autonomous in 2nd generation design
- Safety focused control and communication system with multi-sensor redundancy
- 10 %+ grade capability, up to 15% based on rail / ambient conditions
- Up to 100km/hour maximum speed capability
- 143 metric ton maximum loaded vehicle weight
- Options for hydraulic dual side-dump, or dual slide dump / bottom dump capability
- Multiple unit consist capability

Haulers

All hauler models share the same base design capabilities:

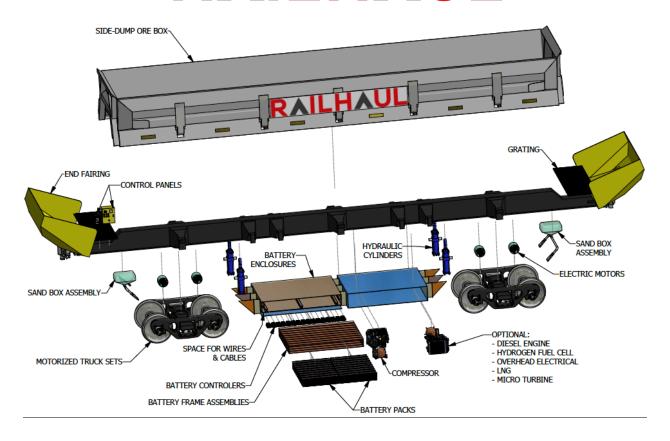
- Two axle trucks with 2, 3, or 4 AC traction motor propulsion system
- Same performance capabilities as transporters w/o tonnage carrying

Power System Options:

- All battery with optimum kWh capacity determined by application analysis
- Battery-electric hybrid with pantograph for overhead catenary ("trolley assist")
- Diesel-electric or inline generator with diesel or natural gas fuel
- Diesel-electric or inline generator battery hybrid
- All electric with pantograph for overhead catenary
- Regenerative power harvesting capability
- Hydrogen fuel is on our technology roadmap with partners.

The optimum power capability and system will be determined by client route profile and duty cycle requirements. A detailed application analysis using RailHaul's proprietary Transportation Analysis Tool (TAT) is done to determine the optimum configuration.

RAILHAUL



Strategic Partners

We are partnering with innovative, agile companies with solid reputations and track records for delivering quality products and service in rail vehicle design, heavy manufacture, steel fabrication, remote and semi-autonomous vehicle control systems, communication systems, engine and battery technology, and rail line design and track construction.

RailHaul: An Experienced Team Focused on Customer Success and Meeting Commitments

Each of our team has decades of rail, mining, or industrial experience.

Michael Price Co-Founder & Chief Executive Officer
Frank Donnelly Co-Founder & Chief Technology Officer
Tony Maciulewicz Co-Founder & Chief Marketing & Sales Officer
Daniel Haag Senior Vice President Marketing & Sales – America's

The design and build of our first unit is underway. This is an all electric battery powered dual side dump transporter for mining applications. It will also serve as RailHaul's engineering development unit. Completion and client demonstration is planned for 1H2O22 in Vancouver Canada.

For additional information or to request an application analysis for your specific needs, please contact:

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