RailRunner's unique reefer chassis can carry both domestic and/or international reefer containers and operates both over the highway as well as on the rail, serving markets that have gone traditionally underserved due to lack of convenient, safe, and uninterrupted cold chain service. The reefer chassis design is based on the proven 40’ bi-modal chassis design and uniquely includes a removable side-mount genset and high capacity fuel tank that can supply a six-day uninterrupted cold chain, continuous monitoring of temperature, fuel supply and GPS location. For domestic operation reefer containers can be manufactured using "picture frame" refrigeration units reducing weight and investment costs while increasing cubic capacity of the container.

Specifications
- **Designed Rail Buff/Draft forces:** 400,000 lbs.
- **Overall length:** 40’ 6”
- **Fifth wheel height:** 48”
- **Overall width:** 8’ 0”
- **Chassis Weight:** 9,900 lbs. with empty tank and genset
- **Load Capacity:** Road* 55,100 lbs., Rail 67,200 max., gross container weight (loaded)
- **Kingpin Location:** 36”
- **Highway Suspension**
  - Composite Leaf Spring Suspension
  - Moveable tandem wheelset
  - 22.5 x 14.0 aluminum wheels
  - 445/50R22.5 super single tires with Tire Inflation System (TIS)
  - 2S/1M ABS air brake system
- **Rail Components**
  - RailRunner receiver box
  - 1¼ train line pipe and glad hand connections
- **Generator**
  - Thermo King™ SGS-3000 side-mount diesel generator
  - Five-day power supply with 100 gallon tank

Optional Features
- Six-day Eco Power™ generator option with 20% greater fuel efficiency.
- Pre-cleaner option for dusty conditions
- Star Trak™ Gentra™ GPS monitoring system; GPS tracking fuel levels and generator condition
- Security enclosure and package including lockable fuel cap and wheel locks

* Subject to Federal and State regulations
Improved service performance by the rail also eliminates the variability in driver capacity offered by trucking companies. Rail service provides a consistent low-priced service over the current truck traffic to convert this to rail and thereby minimize transportation costs. RailRunner provides an opportunity of 90% of the 200 million short haul (300-800 miles) trips are located.

Economic Benefits

RailRunner’s patented Terminal Anywhere system makes intermodal transportation cost-effective for shorter distances and for smaller markets by allowing a shipper to shift from road to rail and back without the need for transloading any freight or the need for terminals and expensive cranes to lift the container from one mode to another. This enables container-based intermodal transportation services to reach a huge market of manufacturers, farmers, shippers, wholesalers and retailers who are not located near traditional intermodal hubs.

As a consequence of the increasing pace of trade and the global demand for more specialized products, container intermodal traffic, combining the advantages of water to rail and highway transport, has been growing rapidly. The benefits of this combination of containerized goods and intermodal traffic has not yet reached deep into the infrastructure of the North American, European and Asian economies, where much of the world’s manufacturing and agricultural bases are located.

Without the consistently high volume of shipments necessary to justify a traditional and expensive intermodal terminal, shippers are forced to either use more costly road transport or to forego market opportunities altogether. RailRunner provides an accessible, economically efficient rail alternative.

RailRunner’s pioneering railcar, trailer and container chassis system provides access to container-based rail transport to a much wider market of manufacturers, farmers, shippers, wholesalers and retailers, thus dramatically extending the reach of current intermodal rail transportation. After many years of development, testing, and initial commercial operation, RailRunner is now poised to bring its innovative Terminal Anywhere technology to a wide array of markets throughout the U.S. and abroad.

Environmental Benefits

RailRunner provides major environmental advantages which are increasingly becoming important as concern about climate change grows. Shifting freight traffic from the less efficient highway system to the more efficient rail system reduces both carbon emissions and shipping cost. A gallon of diesel fuel can transport a ton of freight from 80 to 120 miles by road or roughly 400 miles by rail - a 70-80% reduction in fuel use. Further, each 100,000 ton-miles moved by rail results in 13,105 fewer pounds of emitted CO₂. Moving just 1% of current short haul freight from road to rail means 100 million fewer gallons of fuel used and 2.2 billion fewer pounds of CO₂ emitted per year.

Designed for the standard shipping container, the RailRunner system is much more efficient than standard intermodal rail. The total tare weight is only 46,800 pounds - 13,200 pounds lighter than a flat-car designed to accommodate a variety of cargoes and packaging. Every 1,000-mile shipment sees a reduction of 6,500 ton-miles and 362 pounds of carbon emitted, compared with shipping containers on flat-cars.

Beyond Efficiencies

The RailRunner system provides additional environmental benefits beyond just fuel and energy efficiencies: Moving traffic from road to rail helps ease overtaxed roadway systems. Radial steering and a unique airbag suspension reduce steel-on-steel noise. When coupled to bogies, there is insufficient room for container doors to be opened, enhancing security. Air-cushioned suspension provides a ride quality reducing potential in-transit damage. Since cargo can be loaded into containers close to the production source, shippers have the ability to preserve the increased value of identity-preserved goods.