RailPlan International has been dedicated to serving the worldwide railroad industry for over 30 years. We provide comprehensive streamlined development for quality installation and maintenance solutions, and are committed to the success of our clients and partners. Our engineers, designers, managers, production staff and mechanical services teams work side-by-side to ensure success each and every time.

Terry B. Soesbee
Railplan President
Our Mission

RailPlan International delivers success for our clients and partners by being committed to excellence, award-winning projects from concept through production, and providing solutions-based, safe mechanical services.
Our History

'86
- Originally founded as EDA
- RailPlan International as joint venture with Swedish engineering firm (1989)*

'91
- Design + manufacture of first ADA compliant toilet module for Metro North M-6 vehicles *
- Engineered Products Group established

'93
- RailPlan International joint venture becomes 100% U.S. company
- Design + manufacture of ADA compliant toilet modules for Amtrak Amfleet I (1995)*

'99
- VRE Bi-level Commuter Procurement *
- Amtrak/VRE Rolling Stock Maintenance contract

'01
- RailPlan purchases headquarters in Baltimore, MD *
- American Overland Express luxury train industrial design
- Amtrak Capstone Cafe car fleet remanufacture industrial design

'02
- VRE general engineering services contract
- Fenix Group International Russian railcar project
- Kawasaki Low Level Loading commuter car design *
Rotem/SCRRA Multi-level mock-up
Rotem/SEPTA Silverliner IV industrial design
Dulles Airport people mover mock-up
China Railway Ministry high speed train industrial design
MARC Martin's + Frederick maintenance contract
Amtrak/CAF Viewliner II industrial design + engineering
Amtrak/CAF Viewliner II mock-up
MARC rolling stock general services contract
North Carolina DOT warehouse management, equipment + facility maintenance contract
Caltrans ADA module
DC Streetcar services contract
Alstom/ Rocky Mountaineer Silver Leaf refurbishment project
Kawasaki/ Metro North M-8 Cafe Interior Industrial Design Refinement
Metrolink PTC implementation work
Alstom/ Amtrak very High Speed Rail mock-up
Design + manufacture of ADA compliant toilet modules for Stadler Flirt 3 T exrail
Consulting Group

Our consulting group provides services linking carbuilders and agencies together through specialized support. RailPlan currently has vehicle maintenance and warehouse contracts with several state rail agencies.

Consulting services range from procurement support, inspection and testing to complete overhaul + new rail vehicle design including technical publications.
**Vehicle Design:**

RailPlan has assembled a team of engineering and industrial design experts capable of designing complete passenger railcars of all types. We are diligent at keeping up with the latest industry standards, recommended practices and regulations. We pride ourselves in our complete development, product manufacturing and end use system integration stemming from our well developed design process.

**Capabilities:**

Product Manufacturing  
Design / Engineering:  
  - Concept Development  
  - CAD Modeling  
  - FAI Analysis  
  - Mock-Ups (Hard + Soft)  
  - Technical Publications  
  - Systems Integration  
  - Testing + Analysis

**Our Services**

- CAD Design  
- Soft Mock-Up  
- Module Production

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![Development](image1.png)  
![Testing / Analysis](image2.png)  
![Manufacturing](image3.png)
RailPlan’s engineered products, such as modular ADA toilets, passenger car bedrooms or complete railcar interiors, are designed and extensively tested at our Maryland manufacturing facility. Quality control ensures our products are consistent and cost effective, minimizing on-site installation labor.

**Engineered Products**
Emergency Bridgeplate
Bridgeplates for safely transferring passengers train-to-train.

Water Enclosure
On-train enclosure retains water packages during temperature fluctuation using a soft bladder.

Occasional Seat
Custom folding seat for additional seating in personal rooms and dining settings.

Gangway Diaphragms
Intercar, engineered diaphragms are ready to be mounted and have very low life-cycle cost.

Toilet + ADA Modules
Modules are designed and manufactured ready to be installed.

Cabs
Cabs adhere to the strictest industry safety standards.

Galleys + Snackbars
Galleys are extensively tested for usability + human factors before completion.

For more information about our products please visit: www.railplan.com
RailPlan Mechanical Services Group includes vehicle + facility maintenance, warehouse management, Positive Train Control (PTC), documentation, certification and training. We specialize in outstanding equipment readiness, availability and customer satisfaction.
**Vehicle Maintenance:**
- Inspections
- Repair
- Warranty Support
- Upgrades + Modifications
- Daily Servicing
- Passenger Car Cleaning
- Hostlers + Conductors
- QMP Personnel

**Facility Maintenance:**
- Yard Inspection + Repair
- Track Rehabilitation
- Systems Maintenance

**Positive Train Control:**
- Installation
- Modifications
- Testing

**Warehouse Management:**
- Inventory Support
- Material Control
- Procurement

**Certification + Training Includes:**
- 49 CFR 217 - Railroad Operating Rules
- 49 CFR 218 - Blue Signal Protection
- 49 CFR 219 - Control of Alcohol and Drug Use + Testing Program
- 49 CFR 229 - Passenger Locomotive Equipment
- 49 CFR 238 - Passenger Car Equipment
- 49 CFR 240 - Qualification + Certification of Locomotive Engineers
- 49 CFR 242 - Qualification + Certification of Conductors

**Documentation:**
- In accordance with local, state, + federal regulations

**Who we serve:**
- METROLINK
- MARC
- NCDOT
- AMTRAK

For more information please visit: [www.railplan.com](http://www.railplan.com)
Our Work

**RailPlan** has been dedicated to the passenger rail industry since 1986, we strive everyday for total customer satisfaction through on time performance and delivery.

*Our team includes:*
- Mechanical Designers / Painters
- Industrial Designers / Supervisors
- Plumbing Specialists / Quality Control
- Warehouse Technicians / Electricians
- Carpenters / Mechanical Engineers
- Technical Trainers / Hostlers
- Coach Cleaners / Conductors
- QMPs / Document Control + more
Amtrak selected RailPlan to provide a complete interior package for their Superliner I remanufacturing project. In addition to completely replacing all of the electrical and mechanical systems, the existing interiors are completely removed and replaced with modern upgraded modular interiors with new public showers, ADA and unisex toilet room modules, bedroom modules, and aisle wall, floor and ceiling panels. RailPlan was commended at the 2011 Brunel Awards for its partnership in developing this project.
RailPlan’s extensive involvement in the preliminary concepts of Caltran’s PRIIA compliant new railcars has yielded forward looking interior details. From top to bottom design of these Bi-level cars, RailPlan will feature dining, ADA and unisex bathrooms, seating, as well many other aspects of the car’s interior.
RailPlan was asked by Corridor Capitol to create industrial design proposals utilizing existing Budd cars and EMD F-59PHI for several regional rail initiatives. RailPlan was responsible for all aspects of industrial design exterior and interior aesthetics for business, coach, cafe and galley bi-level cars.
SEPTA's Silverliner V was put into service in October 2010. RailPlan was responsible for all aspects of industrial design exterior and interior aesthetics. Special attention to ADA accessibility, ergonomic cab equipment arrangements and durability of materials and finishes were addressed. Concept sketches and renderings were presented.
RailPlan is currently working on two major contracts with Maryland MTA/MARC Service. One is a general task or per contract for special projects such as vehicle modifications, upgrades and overhauls. The second (as sub-contractor to Bombardier) is for rolling stock maintenance and inspection services.
As the primary developer for the MARC Bike Car; RailPlan designed, engineered, manufactured and installed a fully-functioning bike accessible interior. Utilizing RailPlan’s Velo Bike Car System, the modular interior includes bike racks, vertical storage, hand holds and complimentary elements such as standing tables. In partnership with MARC and MTA, this project was awarded the Washington Area Bicyclists Associations’s 2015 award for Best New Bike Infrastructure.
CAF will be delivering to Amtrak the next generation of Viewliner cars for service. RailPlan, as the largest single vendor to the Viewliner project, is contributing by designing, engineering and manufacturing fully modular interiors of the highest quality. The project was featured in the 2013 edition of Railway Interiors International.
RailPlan is currently working with Kawasaki in the development of a commuter class cafe car. Future plans are for the full design, engineering, manufacturing and installation of the upgraded interior in the Metro North M8.
T asked as part of the MTA’s refurbishment of its Light Rail Fleet, RailPlan provided surveying as well as photo-realistic renderings of the proposed/new exterior graphics and interior color and materials to its contractor Alstom. These files were used for comparison and design purposes in the project’s development phase.

// Consulting
// Industrial Design

MTA Maryland ALSTOM

Proposed Exterior Livery

Upgraded Interior
Clients + Partners

RailPlan works with carbuilders, agencies and government organizations on passenger rail projects all around the world. Our clients and partners include:

- VIRGINIA RAILWAY EXPRESS
- MTA Maryland
- CAF
- ALSTOM
- SIEMENS
- HYUNDAI Rotem
- TALGO
- BOMBARDIER
- Kawasaki
- MARC
- Massachusetts Bay Transportation Authority
- VRE Virginia Railway Express
- TRIRAIL
- CORRIDOR CAPITAL
- SEPTA
- STADLER
- METROLINK
- AMTRAK
- CALTRANS
- PARSONS BRINCKERHOFF
- KINKI SHARYO
- NIPPON SHARYO
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RailPlan International, Inc.
Serving the Railroad Industry
with over 30 years experience in:

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// Engineering
// Manufacturing
// Consulting
// Mechanical Services
// Technical Publications
// Installation Support
// Engineered Products