Experience Matters.

RailPlan International

Industrial Design
Engineering
Manufacturing
Consulting
Mechanical Services
Technical Publications
Installation Support
Engineered Products

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railplan.com
// A message from our President:

RailPlan International has been dedicated to serving the worldwide railroad industry for 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, providing award-winning projects from concept through production, and by providing solutions-based, safe mechanical services.
Originating as EDA

- '86: Originally founded as EDA
- '91: Design + manufacture of first ADA compliant toilet module for Metro North M-6 vehicles
- '93: RailPlan International joint venture becomes 100% U.S. company
- '98: RailPlan repurchases the assets of EDA from ICF Kaiser
- '99: VRE Bi-level Commuter Procurement
- '01: RailPlan purchases headquarters in Baltimore, MD

Engineered Products Group established

- '86: Originally founded as joint venture with Swedish engineering firm (1989)
- '91: Design + manufacture of ADA compliant toilet modules for Amtrak Amfleet I (1995)
- '93: RailPlan International joint venture for Amtrak Capstone Cafe car fleet remanufacture industrial design
- '98: Calcutta Light Rail Vehicle Study project
- '99: Amtrak/VRE Rolling Stock Maintenance contract
- '01: American Overland Express luxury train industrial design
VRE general engineering services contract

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 Comet ADA module

MARC Velo bike car industrial design, engineering, + manufacture *

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
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 engineering and 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 and 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
**Engineered Products**

 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.
Emergency Transfer Bridge
Transfer Bridge 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.
Mechanical Services

RailPlan’s mechanical services expertise includes vehicle + facility maintenance, warehouse management, Positive Train Control (PTC), documentation, certification and training. We specialize in outstanding equipment readiness, availability and customer satisfaction.
What we provide:
For more information please visit: www.railplan.com

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
Our Work

RailPlan has been dedicated to the passenger rail industry since 1986, we strives 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 Association’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.
Tasked 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.
RailPlan works with carbuilders, agencies and government organizations on passenger rail projects all around the world. Our clients and partners include:

Clients + Partners

- MTA Maryland
- CAF
- Alstom
- Siemens
- Talgo
- MTAMetro-North Railroad
- Bombardier
- Hyundai Rotem
- Kawasaki
- Massachusetts Bay Transportation Authority
- VRE Virginia Railway Express
- MARC
- SEPTA
- Tri-Rail
- Metrolink
- AMTRAK
- Caltrans
- Parsons Brinckerhoff
- Kinki Sharyo
- Nippon Sharyo
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RailPlan International, Inc.
Serving the Railroad Industry with 30 years experience in:

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