



## Product Applications for Rail

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## Custom Built Composite Products For The Rail Industry

PCT's composite components are primarily composed of fiberglass, polyester or carbon fiber reinforcements combined with either polyester, epoxy or vinylester resin systems. PCT employs a variety of manufacturing techniques including high viscosity vacuum infusion, filament winding, compression molding, convolute wrapping, autoclave molding and wet lay-up. PCT's extensive array of secondary finishing and machining processes achieve turnkey components tailored to the customer's specifications.

### PCT Product Applications in Rail

- Engineered resin systems for extreme environmental or physical stresses
- High-volume production products or prototypes
- Highly engineered, customized turnkey solutions

### PCT Resin Materials

- Epoxy
- Polyester
- Vinylester

### PCT Reinforcement Capability

- Fiberglass
- Carbon fiber
- Kevlar
- Polyester

### PCT Engineering

PCT polymer, mechanical and electrical engineers work with clients to develop technical specifications. We design and test prototypes and then manufacture tooling and component solutions.

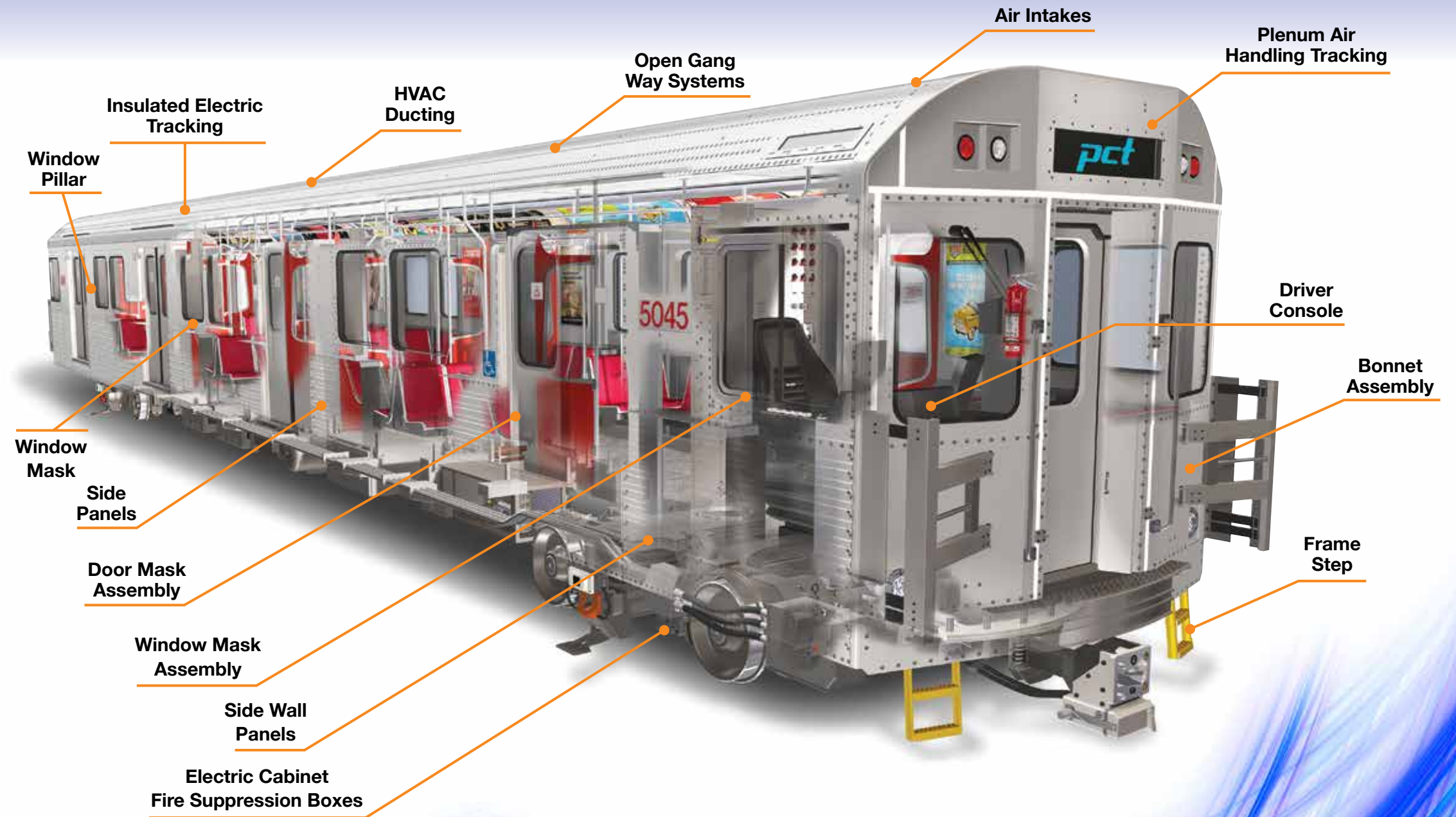
- Extensive in-house machining and secondary processing capability
- Filament winding
- Autoclave molding
- Compression molding
- Vacuum infusion
- Wet lay-up

### Backed by

**PCT Knowledge** — Our engineering team has earned dozens of worldwide patents related to electrical insulation, composite materials and applications.

**PCT Experience** — Since 1994, we have designed and delivered highly engineered component solutions encompassing millions of parts involving the industry's broadest product line, to our customers.

**PCT Proven Performance** — With our passionate "first to respond, first to deliver" ethos, and our OEM-qualified and ISO-certified manufacturing facilities in the USA, Europe and Asia, we provide unparalleled response times and total delivered value to our worldwide customer base.



- High Pressure Laminates
- Specialty Laminates
- Complex Panel Shapes
- Honeycomb Panels
- Plymetal

- Insulated Electrical Tracking
- Fire Suppression Boxes
- HVAC Duct Assemblies
- Partition Assemblies - (both flat and curved)

- Cab Door and Locker Door Assemblies
- Energy Storage Cavities
- Advanced Composite Side Wall Panels
- Frame Steps



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