

# RAILCAR ENGINEERING SERVICES

FROM QUALITY TRANSPORTATION SERVICES, INC.



## QTS PROUDLY OFFERS PROFESSIONAL RAILCAR ENGINEERING SERVICES.

Quality Transportation Services, Inc. is proud to include Railcar Engineering Services in our suite of full-cycle rail management solutions.

Our Engineering Services Department provides clients like you with flexibility and expertise in managing the complex world of freight rail transportation. Our engineering staff boasts over 60 years of combined experience, and can help clients large and small with a variety of needs.

## SERVICES YOU CAN COUNT ON.

### Engineering & Design

- ✓ *Railcar Modifications*
- ✓ *Railcar Upgrades*
- ✓ *Mechanical evaluations*

### Regulatory Compliance

- ✓ *Resource for Regulatory Compliance*
- ✓ *Regulatory change impacts assessments*

### Training

- ✓ *Customized in-plant training programs for:*
  - *Regulatory compliance*
  - *Switching*
  - *Rail car handling in industrial yards*
  - *Loading and unloading rail cars*



*Tank cars? Hoppers? Gondolas? Flats? Boxes? Reefers? Volatile or toxic chemicals? Perishables? QTS can manage them all, and provide all the needed regulatory compliance, mechanical expertise, and detailed documentation you need.*

## How Can We Help You?

At QTS, our goal is to maximize the value and minimize the costs and headaches of managing rail. We are called to serve our clients realize their vision through our existing services and tools, or by pioneering new ones. **QTS. Serious Training.**



### THE POWER OF EXPERIENCE.

Our Railcar Engineering Team is led by Wylie Dubose and Tom Leiby.

Wylie brings over 30 years of experience working with rail equipment of all types from the plant, field, and administrative perspectives, with particular expertise in chemicals, textiles, and tank car equipment. Wylie has been Plant Production Foreman, Fire Captain, DOT Compliance Coordinator, Logistics Manager, Fleet Manager, and Director of Fleet Services over the course of his long career.

Tom spent 15 years with Norfolk Southern Railroad, starting in the Mechanical Department and spending the last 8 years as a project engineer in the Research and Tests Department where he designed and modified research railcars. Since then, Tom has provided his expertise to the US Military on Nuclear Powered Aircraft Carriers, and to Amtrak's high-speed rail fleet. A Licensed Professional Engineer, Tom calls QTS home today.

### A PARTNER YOU CAN TRUST.

Over 30 years in business, over 70 clients throughout North America, and a team of professionals in locations across the US and Canada. QTS is a partner you can rely on.

### Operations

- ✓ *Railcar Maintenance Manuals*
- ✓ *Qualification Manuals*
- ✓ *Preventive Maintenance Analysis & Inspection and Repair Instructions*
  - *Based on historical info*
  - *Optimize availability*
  - *Optimize reliability*
  - *Detailed inspection procedures*
  - *Detailed repair procedures*
- ✓ *Root Cause Analysis on equipment failures*

### Inspections Services

- ✓ *Inspection services for in-service cars*
- ✓ *Lease returns*
- ✓ *Railroad damage*
- ✓ *Shop Health, Safety, & Environmental audits*
- ✓ *Failure analysis*
- ✓ *OTMA Root Cause Analysis*
- ✓ *Operational worthiness*

### Project Management

- ✓ *Expert project management services for any maintenance initiative large or small*