

OUR RAIL CAPABILITIES

MOSIMTEC has served the rail industry in various capacities and continues to advance the application of simulation in rail

Case Studies

Regional Network Analysis



Simulated a complex rail network to understand

issues and identify bottlenecks in the system upon introduction of new terminal. The system included 90+ trains operated by Tier 1 railroads, with varying schedules, priorities and characteristics.

Terminal Operations Design



Validated and optimized the layout and operations of a

planned terminal. Goal was to evaluate the design for future growth scenarios and optimize key infrastructure decisions, along with effects within the yard and to surrounding community.

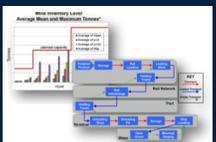
Resource Scheduling



Customer designed improvements at their terminal to

increase their transloading business. Used simulation technology to represent the system in a dynamic environment to allow for optimal design of resource allocation and scheduling.

Supply Chain Optimization



Evaluated the supply chain to test performance under a range of

different situations, events, and constraints. Also focused on key areas including cost, capacity, equipment, inventory, transit time, and other areas, along with risks, bottlenecks, and their potential impacts.

Maintenance Impact Analysis



Assisted client in evaluating plans for material handling system,

with focus on equipment maintenance and requirements. Ensured that the system was robust enough to meet expected needs and contingencies, considering planned and unplanned maintenance.

CALL US

571-766-8050

**LEARN HOW SIMULATION
CAN BENEFIT THE RAIL
INDUSTRY**

Simulating your rail and rail related systems in a virtual environment allows you to develop the necessary system insight to make more informed decisions.