# RAIL OPERATOR SIMULATORS

**TRANSIT**
SIMULATION TRAINING

**FAAC**
INCORPORATED

# RAIL OPERATOR TRAINING

FAAC is dedicated to the highest fidelity in modeling and simulation technology, providing real experience for your drivers/operators in life-like virtual environments. Understanding your training objectives and budget, FAAC works with you to develop your optimal training solution.

FAAC supports a comprehensive in-house team, including professional program managers, engineers, software developers digital graphic artists, technical staff. We focus on a customer-for-life philosophy to understand, develop, deliver, and maintain your specific training solution.

## FAAC Rail Training Simulators

Simulators developed with realistic environments to provide real experience. Develop scenarios to match your training objectives for consistent and objective training.

· Full cab-to-desktop simulators
· Single or multiple visual displays
· Mobile or fixed simulators
· True to life scene placement

DESKTOP TRAINER

## The FAAC Rail System

Basic to advanced modeling matches your level of training objectives and budget. FAAC has delivered customer-specific line and signal databases to the highest level of detail. Realistic virtual alignment includes representative traffic signals, traffic control devices, rail signals, switch control systems, and markings. Learn correct manipulation of cab controls, safe driving practices and appropriate traction and brake application practices, as well as various elements of safety procedures and signaling.

# SMART FEATURES FOR THE MOST EFFECTIVE TRAINING.

## Meet Training Objectives

· Safe, effective, objective, and consistent
  training
· Minimize training time on rail cars
· Basic, advanced, and remedial operator
  training
· Rail operations knowledge
· Signal knowledge
· Student knowledge of rules and regulations
· Route familiarization
· Fault isolation, diagnosis, and corrective action
· Proper radio/intercom communication
· Maintain schedule

## Simulator Components

· Driving Station:
    - Authentic or generic components
    - Accurate placement controls
    - Proven motion options
· Instructor Operating Station (IOS):
    - Familiar Windows® interface controls
    - Intuitive and powerful track profile display
· Fault Workstation:
    - Interactive (IOS initiated)
    - Generated faults to be rectified by
      the trainee
· Development Workstation and Cab
  Familiarization Station
· Observation Station
· Actual or Representative Operating Environment
    - Detailed operating environment and alignment
      from geo-typical to geo-specific
· TrackProfile© Scenario Creation Tool
    - Scenario development tool allows
      real-time manipulation
    - GUI interface
    - Runtime instructor display
    - Accurately displays student location,
      preceding train, signals, signs, stations,
      switch state, faults, events, and current route

## FAAC Rail Simulator Highlights

· Real or representative training environment
· Custom, fully autonomous signal system
· Supports signal faults and manual overrides
· Fault Work Station for diagnosing, isolating and
  overcoming faults
· User-friendly instructor controls
· Track Profile© for scenario development and real-
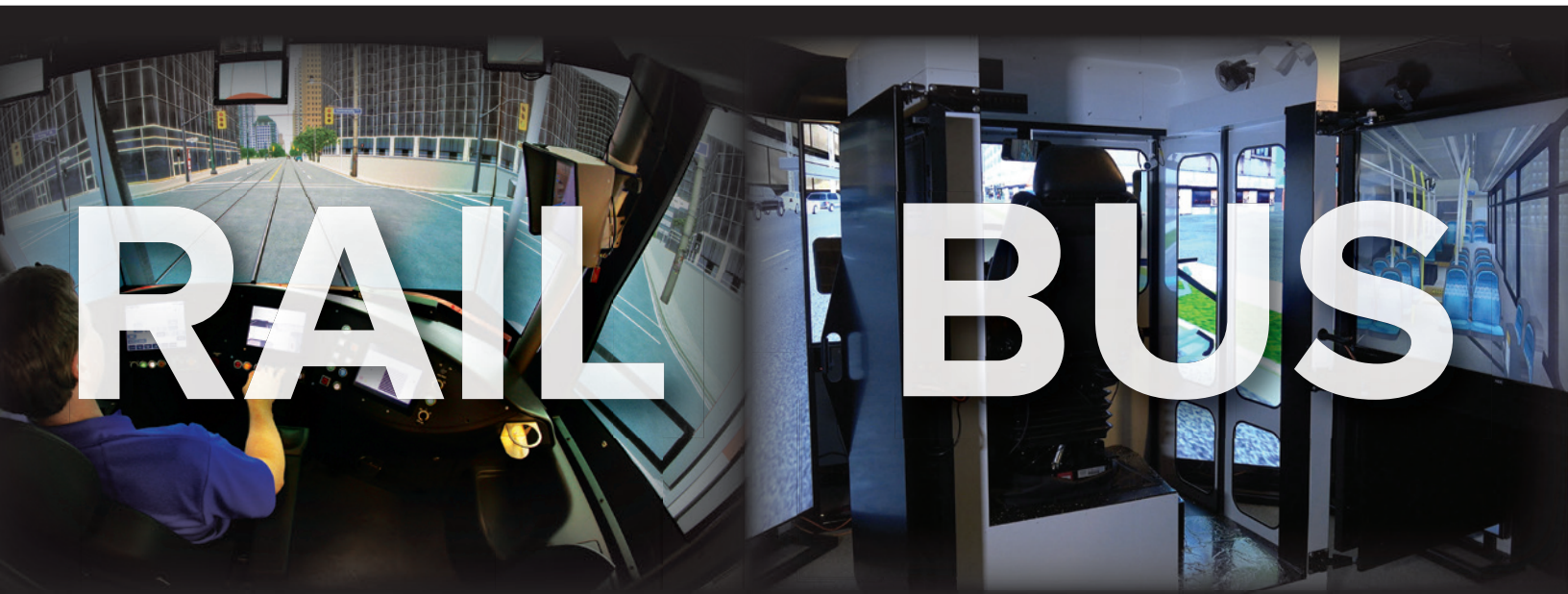  time
   instructor interface
· Environmental effects

FULL CABIN TRAINER WITH SYNTHETIC ENVIRONMENT

# FAAC SERVICE, SUPPORT AND CUSTOMER RESOURCES

FAAC has a "customer-for-life" philosophy. We understand the importance of training and operational readiness. FAAC offers unsurpassed service and support.

- Dependable, Reliable and Proven
- Turnkey Delivery
- Subject Matter Experts
- Instructor Development Program
- Instructor Ready Scenarios



**RAIL** **BUS**

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