



## PRODUCT CATALOG



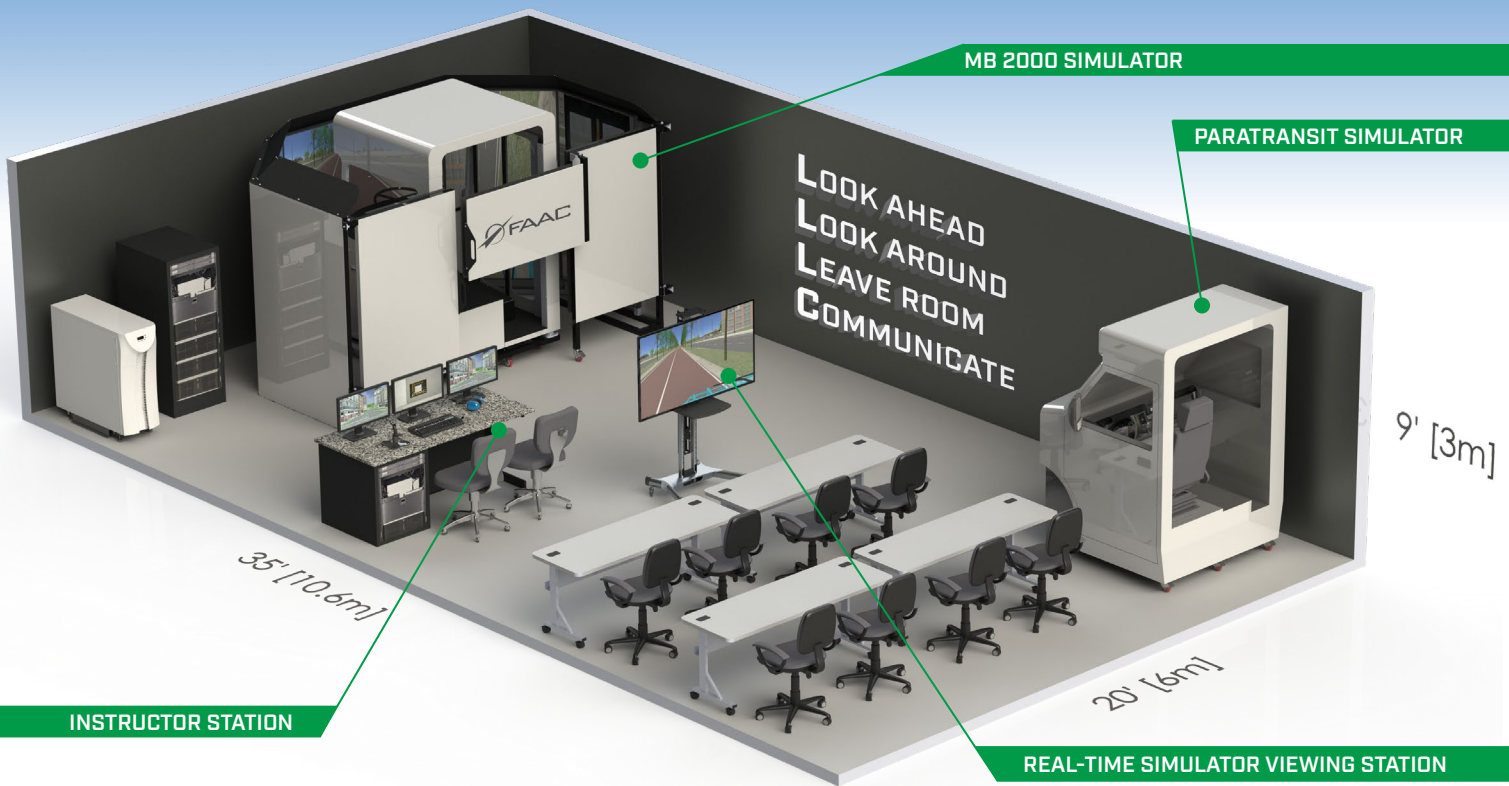
**TRANSPORTATION**  
SIMULATION TRAINING

**50**  
Est. 1971  
Years of Innovation

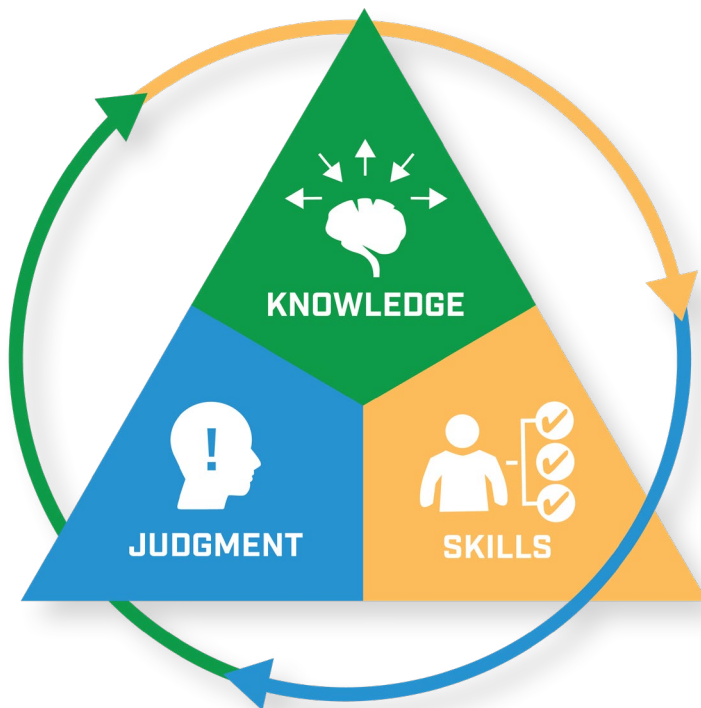


CONTACT US TO LEARN MORE >>>





## THE VALUE OF AN ACTIVE LEARNING ENVIRONMENT



Simulation training requires student operators to apply their knowledge, skills, and judgment in a way that facilitates learning. With an active learning environment, student operators are provided a chance to learn-by-doing, while learning from each other.



**IMMERSIVE EXPERIENCE**  
Practice until perfect.



**WORKFORCE DEVELOPMENT**  
Advance together.



**MEASURABLE RESULTS**  
Through equitable evaluations.

CONTACT US TO LEARN MORE >>>







## The most realistic training experience available

The MB-2000 Bus Simulator is the highest-fidelity simulator available for training transit bus operators. This fully customizable system provides a true-to-life experience that prepares operators for real-life driving environments.

## MB 2000

FAAC  
BUS OPERATOR TRAINING SIMULATOR

- Zero Emission Bus Catalog
- Side-to-Sky Viewing Angles
- Real Flat Glass Mirrors
- OEM Driving Compartment
- Integrated Cab-Only Motion System providing realistic and real-time feedback from the driving environment
- **RESPONSE SITUATIONAL SIMULATOR:** Embedded situation awareness simulator that prepares operators for realistic passenger interactions

CONTACT US TO LEARN MORE >>>







The Paratransit simulators are created from a de-commissioned vehicle, donated by the customer. The MB 2000 and paratransit cabs are interchangeable so you can plug this paratransit cab into the shared system resources, or it can be purchased as a standalone training system.

## PARATRANSIT FAAC OPERATOR TRAINING SIMULATOR

- Actual Fleet Vehicle
- Side-to-Sky Viewing Angles
- Flat Glass Side and Rearview Mirrors
- Integrated Cab-Only Motion System providing realistic and real-time feedback from the driving environment
- **RESPONSE SITUATIONAL SIMULATOR:** Embedded situation awareness simulator that prepares operators for realistic passenger interactions

CONTACT US TO LEARN MORE >>> 





## MB 1000

FAAC

BUS OPERATOR TRAINING SIMULATOR

- Compact Equipment Footprint
- Digitally Rendered Mirrors
- Functional Levers, Gauges & Switches
- Integrated Cab-Only Motion System providing realistic and real-time feedback from the driving environment

The MB-1000, with its more than 225-degree field-of-view capability, realistic dash controls, and optional motion system, is a testament to the innovative solution FAAC provides to the transit industry.

CONTACT US TO LEARN MORE >>>







The TT 2000 Truck Simulator is the highest-fidelity simulator available for training truck operators. This fully customizable system provides a true-to-life experience that prepares operators for real-life driving environments.

## TT 2000

FAAC

TRUCK OPERATOR TRAINING SIMULATOR

- Side-to-Sky Viewing Angles
- Real Fleet Vehicle Glass Mirrors
- Push-to-talk Radio
- OEM Driving Compartment
- Snowplow Control Integration
- Integrated Cab-Only Motion System providing realistic and real-time feedback from the driving environment

CONTACT US TO LEARN MORE >>>







The TT 1000, with its more than 225-degree field-of-view capability, realistic dash controls, and optional motion system, is a testament to the innovative solution FAAC provides the Transportation industry.

## TT 1000

**FAAC**

TRUCK OPERATOR TRAINING SIMULATOR

- Fully-Operational Truck Controls with Functioning Levers Gauges & Switches
- Digital Dash for Various Configurations
- Virtually Rendered Mirrors
- Doppler Effect Sound Configuration & CB Radio
- Integrated Cab-Only Motion System providing realistic and real-time feedback from the driving environment

CONTACT US TO LEARN MORE







## DESKTOP Operator Simulator

- Compact Equipment Footprint
- Simple Setup and Transportable
- Digitally Rendered Mirrors
- Ideal for Introducing Simulation

The Desktop simulator provides a compact design that is easily transportable. The Desktop simulator can be deployed at scale, providing classrooms of student operators a chance to learn a wide variety of simulation activities collectively.

CONTACT US TO LEARN MORE >>>







# LR 2000

FAAC

RAIL OPERATOR TRAINING SIMULATOR

- 1-for-1 Cab Replica with Authentic Controls
- Geo-Specific Training Environments
- Accurately displays operator location, preceding train, signals, signs, stations, switch state, faults, events and current route

CONTACT US TO LEARN MORE >>> 





## LR1000

FAAC

### RAIL OPERATOR TRAINING SIMULATOR

- Compact Equipment Footprint
- Authentic or Generic Components
- Geo-Specific Training Environments
- Accurately displays student location, preceding train, signals, signs, stations, switch state, faults, events and current route

Realistic environments provide real experience. Learn correct manipulation of cab controls, safe operating practices, appropriate traction and brake application practices, and various elements of safety procedures and signaling.

CONTACT US TO LEARN MORE >>>

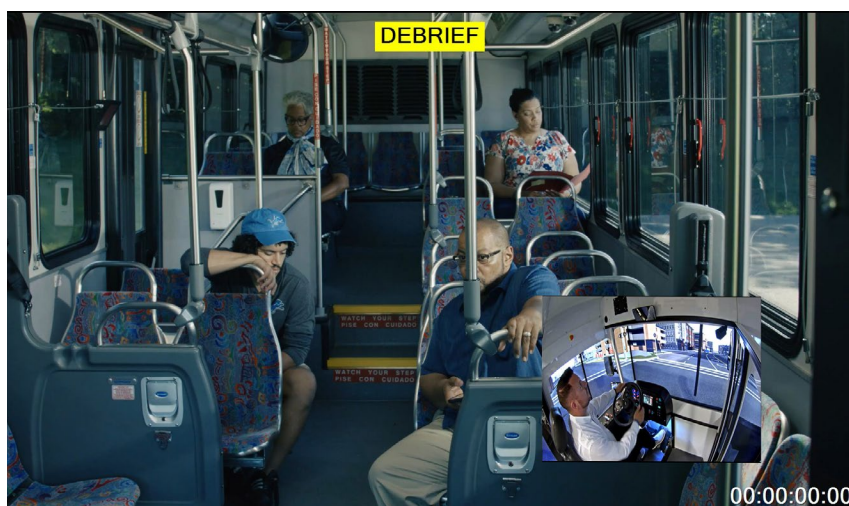






# RESPONSE

## SITUATIONAL SIMULATOR



## Prepare bus operators for passenger interaction

“What do I do next?” With Transit Response - Situational Response Simulator, the operator can experience a full-cycle training scenario that extends beyond driving to include passenger interaction. The Response Simulator connects to the driving scenario, preparing operators for both driving and situational tasks on the back of the bus.

## RESPONSE Situational Simulator

- Interactive scenarios are embedded on the rear monitor of MB 2000 and Paratransit simulators
- Operators practice radio commands, verbal feedback to passengers, and securing the bus during an incident
- Scenario branching is directed by the instructor who chooses the scenario progression according to operator reactions
- Choose from ready-made scenario packages or have custom scenarios filmed on location

CONTACT US TO LEARN MORE >>>







Scenario Toolbox™ (STB) is a powerful software tool that enables users to create new predefined scenarios. STB gives users the ability to control, within the scripted scenario, objects, and events in the virtual world, providing additional challenges or testing students on specific tasks. With a few simple keystrokes, customers can edit and enhance existing scripted scenarios or create new ones from their own experiences.

## SCENARIO TOOLBOX Software for Building Custom Driving Scenarios

Instructors can create scenarios that provide a wide range of learning options for the student operators.

- Skill Builders
- Mirror Position
- Right Turns
- Left Turns
- Corrective Actions
- Accident Reconstruction
- Customize to Agency Policy

CONTACT US TO LEARN MORE >>>





Edit	Sim Time	Assessed Item Name	Student Action	Description	Instructor Override	Instructor Comment
<input type="button" value="EDIT"/>	0:00	Following Distance Test	Distance Less Than 3 Seconds	Keep a safe following distance	Override	
<input type="button" value="EDIT"/>	0:23	Use Turn Right Signal	Used Turn Signal	This is to test turn signal use		
<input type="button" value="EDIT"/>	0:32	Front and Rear Right Tires In Region	Front Right and Rear Right Tires in Region	Both Front Right And Rear Right Tires Should be Inside Region		



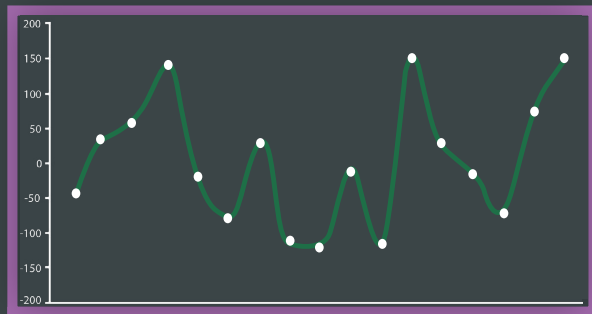
Thomas Lee

Average  
SCORE  
43 %

Average Score

Miles Driven <b>8.721</b>	AVG SCORE <b>43 %</b>	Best SCORE <b>92 %</b>	Worst SCORE <b>1 %</b>
Scenarios Completed <b>17</b>	AVG Energy SCORE <b>48</b>	Best Energy SCORE <b>87</b>	Curb Kicks <b>4</b>

Energy Score



Student Progression

PATENT PROTECTED

## Maximizing technology through proper training

VITALS acts as an interactive playbook for the instructor. It helps them engage each trainee objectively, implementing the policies that operators should learn, and identify areas of strength and improvement.

## VITALS Virtual Instructor Trainee Assessment & Learning System

- Capture and Monitor Student Performance
- Standardized and Objective Assessment Process
- Analyze Performance and Debrief while Minimizing Individual Instructor Filters and/or Bias
- Operator Performance Dashboard Recommends Areas for Improvement





## THE LEADERS IN SIMULATION



**DESIGNED FOR  
LEARNING**



**CROSS-INDUSTRY  
EXPERTISE**



**ADAPTABILITY  
& INNOVATION**



**INSTRUCTOR  
DEVELOPMENT**



**HIGHEST QUALITY  
STANDARDS**




**CONTINUED  
DEDICATION**

Innovation comes from a commitment to do more, learn more, and challenge existing paradigms. With over 50 years of product development, sustainment, and innovation, we are continually improving not only what we do but how we do it.



### **FAAC Incorporated**

1229 Oak Valley Dr.  
Ann Arbor, MI 48108  
Phone: 877-322-2387

 [FAAC.COM](http://FAAC.COM)

**CONTACT US TO LEARN MORE >>>** 