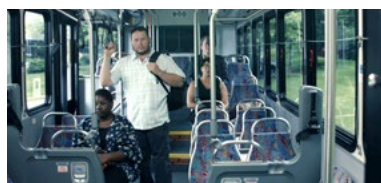
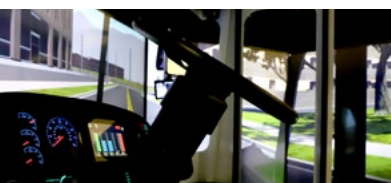




BUS OPERATOR TRAINING SIMULATORS



TRANSPORTATION
SIMULATION TRAINING

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TRANSPORTATION SIMULATION TRAINING

REPLICA CAB CONFIGURATIONS

Fully-Operational
Bus Controls that include:

Genuine OEM Components
and Configurations

ZERO EMISSION BUS

Electric Bus Vehicle Models

MIRRORS

Real Flat and
Convex Mirrors

FULLY CUSTOMIZABLE CONTROLS



RESPONSE SIMULATOR

Optional, integrated
training scenarios
that prepare
operators for
realistic passenger
interactions

GENUINE OEM DRIVING COMPARTMENT

Precisely match your
fleet vehicle

FULL-MOTION CAB

Optional, integrated cab-only
motion system providing realistic
and real-time feedback from the
driving environment

MB 2000
FAAC
BUS OPERATOR TRAINING SIMULATOR

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.



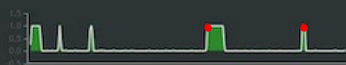
FAAC is ready to support Zero Emission Bus (ZEB) training with a solution that will assist Agencies in understanding how driving behaviors affect battery range. Building on the VITALS Program, a Trainer will be able to identify areas of operation that caused Energy Regeneration and Battery Depletion in an easy-to-understand dashboard following a driving scenario. VITALS will **ease range anxiety** by providing Operators a program to better understand their driving tendencies and how it correlates with range.



SPEED



ACCELERATION



BRAKE



THROTTLE



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REALISTIC CAB CONFIGURATIONS

Fully-Operational Bus Controls that include:

Digital Dash for Various Configurations

ZERO EMISSION BUS

Electric Bus Vehicle Models

MIRRORS

Virtually Rendered Mirrors

CUSTOMIZABLE CONTROLS

225+° FIELD OF VIEW

OPEN AIR CAB

With compact equipment footprint

4K/UHD MONITORS

3-DOF MOTION SYSTEM

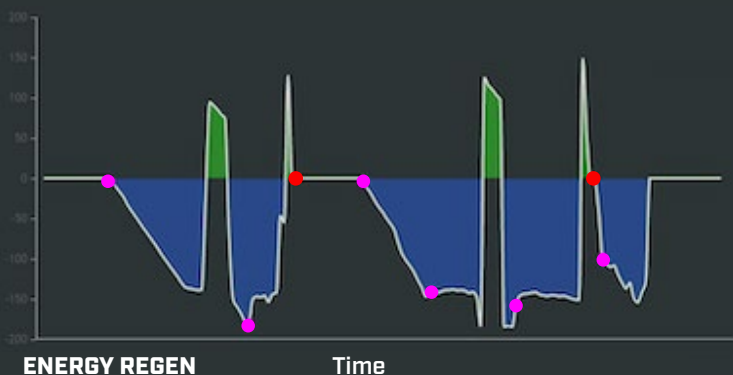
Optional, responsive motion that matches the real-time driving environment




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.

OPTIMIZING ELECTRIC VEHICLE OPERATION WITH VITALS

Energy Use Energy Regen Hard Acceleration Hard Braking



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ZEB SIMULATOR

Simulation Training Use Cases

- Initial Qualification Screening
- New Operator Training
- Re-certification
- Defensive Driving

BEB Operator Training

- Regenerative Braking and BEB Braking Techniques
- Battery Electric Bus Familiarization and Operation
- Battery Electric Bus Energy Consumption Optimization

Route Specific BEB Operation Training

- Opportunity Charging

ON-ROUTE CHARGING & POSITIONING SCENARIOS

CUSTOMIZABLE ELECTRIC REGEN DASHBOARDS

VITALS | ASSESSMENT & LEARNING SYSTEM

POWERED BY FAAC'S



More than simply a "score sheet."

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.

- Capture and review training performance
- Keep consistent records and track progress over time
- Train for Zero Emission fleet transitions



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T

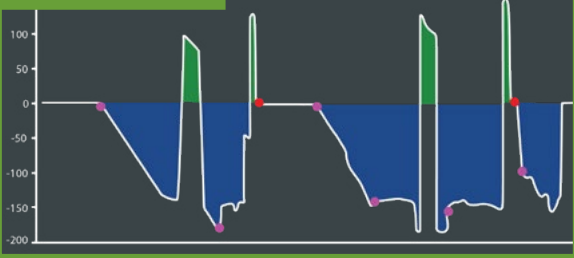
Thomas Lee

Average
SCORE
43 %

Average Score

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

Energy Regen



Energy Use Energy Regen
Hard Acceleration Hard Braking

PATENT PROTECTED



THE LEADERS IN SIMULATION



FAAC IS A PROUD MEMBER OF



**CENTER FOR
TRANSPORTATION
AND THE ENVIRONMENT**



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.

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ACTIVE CLASSROOM ENGAGEMENT

MB-2000 SIMULATOR

REAL-TIME SIMULATOR DRIVING VIEW

INSTRUCTOR STATION

INDUSTRY LEADERS

CUSTOMER PROVEN

Trusted,
Dependable,
Reliable

HIGHEST-FIDELITY SOLUTIONS

Customized
Turnkey Systems

DEDICATED SERVICE SUPPORT

Extended Warranty
Service Programs

INSTRUCTOR DEVELOPMENT PROGRAM

Novice to Mastery
Program Training

CUSTOMER FOR LIFE PHILOSOPHY

FAAC is committed to creating and maintaining a partnership with each customer.

TRANSPORTATION
SIMULATION TRAINING

50
1971-2021
Years of Innovation

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