

BUS

TALK

SAUCON
TECHNOLOGY PARTNER
#1

KEEPING COMPANIES MOVING AT THE SPEED OF INNOVATION

November 2022

Enhancing Industry Performance with Saucon's Adaptive Technologies.

Saucon continues to develop new technologies to address industry challenges and improve efficiency. These new technologies will integrate seamlessly with existing systems to enhance performance.

The bus transportation industry is still somewhat uncertain and unsettled from the lingering effects from the pandemic; this is in part due to the lack of skilled employees, drivers, and the continuing battle of supply chain issues.

However, as the fourth quarter of 2022 arrives, Saucon continues efforts regularly behind the scenes resolving those technology challenges with performance enhancing technology of additional innovative products and services.



These solutions include an **Intelligent Adapter** and an **External GPS Antenna**. These additional elements combined with software and firmware updates have played a significant part to provide greater enhanced performance for the Saucon onboard equipment.

Further, additional features that are in the final testing stages include enhancements for the embedded **Accelerometer** and **Gyroscope** to offer further analysis of driver behavior. Some features may require additional calibration.

Challenged with a lack of available components to support onboard video, Saucon's leadership made a decisive step to reevaluate the system to best alleviate supply chain issues.

The Development Team also has made substantial improvements to the **Onboard Video system**, by exploring a re-design to improve performance and deliver a more robust and advanced solution.

The result – the next generation **IoT III Video System** now stores the onboard video data directly in the Prox II LE-SD device instead of the video units. This increases continuity of smooth video as the new solution allows for quicker and faster video download speeds. By storing the video data directly in the Prox II LE-SD device, significant performance improvements have been reached as well as increased stability from the 1080p high-def cameras and the overall performance of the video platform.

Part of the impact of the pandemic included loss of personnel. Many motor coach operators are struggling to gain back both drivers and mechanics / technicians to the work force. With the significant increase in demand for technical installation support, Saucon has made a serious commitment by increasing the number of trained Saucon technicians to the team.



The size of the technical team as literally tripled, which now means more available techs to complete the work needed for the installation, trouble-shooting, and maintenance of the equipment. These additional Field Technicians have been strategically based in various areas of the U.S. for supporting the motor coach industry providing more convenient on-site assistance in a more timely manner.



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SPOTLIGHT

Searching for a Telematics Provider

We had been using another vendor for the first few years before the ELD mandate, and we liked their product but unfortunately, they weren't very reliable. We were determined to find a more reliable partner, so I narrowed the decision down to Saucon and another vendor.

At the time we were using the other vendor's camera system, however, we did not like the fact that their system was dependent on the driver's personal phone for managing Electronic Driver Logging (ELD).

When we sat down and talked to Saucon, I knew from the start that their system was more innovative and user-friendly than the other system that we were reviewing. I liked Saucon's dedicated fixed touch screen tablet mounted on the bus, but what I liked most, was that Saucon understands passenger ELDs and specialized in servicing the Motorcoach Industry.

Other factors why we ended up choosing Saucon.

- Driver Portal for each Driver to monitor and log hours
- The innovative way to track fuel usage, idle time, state mileage
- Easy-to-use reports, tracking tools, and video surveillance to review customer inquiries
- Integrated Maintenance system.

Without a doubt, Saucon's system was the best I had seen, so we made the move to Saucon.

We have now been utilizing the Saucon system for some time, as a Safety Admin it has been easy to use and our Drivers appreciate our move to the Saucon platform and also like the ease of use for managing the hours of service.

"When we sat down and talked to Saucon, I knew from the start that their system was more innovative and user-friendly, I liked what we saw."

Rick Wright,
Safety Manager
VIP Sports Getaway
Abilene, TX

From a Compliance standpoint, our insurance provider appreciates the availability of the information Saucon provides.

We have an insurance audit about once a year, it was reassuring to witness how Saucon had the ability to produce any report requested. We have also had a couple of FMCSA and NCAAA audits, unfortunately, our previous vendor, didn't have the ability to produce the reports that the inspectors requested, we are much more confident going into an audit with Saucon.

We have been extremely satisfied with the support provided since we started using Saucon. Saucon's response to queries is fast and reliable. The training I received from the other Saucon team members was extremely helpful. With the high standard of technology that is packed into these Saucon systems, there have been a few challenges, but we can either fix it ourselves or the Production Support Dept. will recommend a solution.

In a time when time and cost are more important than ever, Saucon's cost-effective solutions and their support team give me total peace of mind.

Rick Wright
Safety Manager
VIP Sports Getaway
Abilene
TX

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TOOLS & TIPS

Take control of your business performance

Did you know you can gain valuable insight into the status of your Cummins engine through Saucon's DM1 logs?

	3411	C2045	Information		10/05/2022 02:03 AM	102	Cummins Response: FC 2322-Engine Camshaft Speed/Position Sensor -Data erratic, intermittent, or incorrect	18	Data Valid But Below Normal Operating Range - Moderately Severe Level
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Saucon has collaborated with **Cummins Digital** in providing **Connected Diagnostics Solutions**.

This partnership provides Connected Diagnostics on Cummins engines, which is unique to the industry by providing the information needed to make informed time-critical decisions within seconds of a fault occurrence.

Connected Diagnostics

Notification ID: FB103963524189

Vehicle ID: 3411

Engine Serial Number: 44723100

VIN: SSCC22EE751635290

Engine Model: 6.7L I675289

SPN: 102

FMI: 18

Recommended Action: Contact a Cummins certified repair location for repair assistance. Equipment may continue to be operated until end of shift.

Primary	SPN	FMI	Timestamp	Description
125	102	18	10/05/2022 02:03 AM	Intake Manifold 1 Pressure - Data Valid But Below Normal Operating Range - Moderately Severe Level
2633	132	8	10/05/2022 02:03 AM	Engine Intake Air Mass Flow Sensor Circuit - Abnormal Frequency or Pulse Width or Period

Suggested Root Causes:

Component or System	Probability
Intake Manifold Pressure Sensor	63%
OEM Component	12%
Charge Air Cooler Plumbing	5%

The fault code indicates that your engine has entered a situation where performance on road speed will be limited, and you may experience the following:

Immediate Engine Protection Derate

For assistance, please use the [Cummins Service and Parts Locator](#), or call 1-800-343-7357.

The Cummins Connect Report can be found in the DM1 log within the Saucon Client Portal. This service is included with the basic Saucon Telematics Solution, at **No Extra Cost** for Saucon customers.

These solutions include:

- Constant capture of ECM data on Cummins engine operation
- Transmits collected data and diagnostic messages directly to Cummins
- Data analytics completed providing root cause and resolution reports within the Saucon Client Portal
- Over-the-air software updates (CSU) and trim management (OptiTech)
- Identifies and prioritizes fault codes, determines the probable cause of the fault, and reports it to you.

Contact our team at Saucon to get more information from your Saucon Telematics Solution.

888.872.8206

TDSinfo@saucontech.com

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TOOLS & TIPS

Take control of your business performance

Calendar Events January & February, 2023

Trailways Annual Meeting & Conference Orlando, FL	January 09 - 11 2023
UMA Motorcoach Expo Orlando, FL	January 11 - 14 2023
IMG Maintenance & Safety Forum Detroit, MI	February 02 - 04 2023
Busworld / ABA Marketplace Detroit, MI	February 04 - 07 2023

Connect with Saucon at the up-and-coming events 2023. Get to know the team and get up to speed. Check out Saucon's suite of solutions and see the many ways your organization can go further and work smarter.

The Saucon team is available to talk at any time about how our suite of tools and solutions can operate your business more effectively.

Contact us at: TDSinfo@saucontech.com

Saucon Safe Driver Program

Saucon Safe Driver now includes **Accelerometer & Gyroscope capabilities!**

These additional features track data and provide instant feedback as it relates to **Harsh Braking, Harsh Turning & Abrupt Lane Changing**.

These additional performance categories combined with **Hard Stops, Idling, Posted Speed and Top Speed** provide a complete array of driving data sets that improve driver safety and behavior.

Saucon Safe Driver Event Categories

Posted Speeding	Idling
Top Speed	Hard Stops
Harsh Turning	Lane Handling
Harsh Braking	

TODAY'S PERFORMANCE

Category	Score
Hard Stop	5
Idling	6
Posted Speeding	1
Top Speed Count	0

TODAY'S SCORE SO FAR: 36

LAST CALCULATED TODAY AT 12:35 EST

YESTERDAY'S SCORE: 100

YOUR CURRENT RANK: 6/5

12:43 10/11/2022

Some features may require 'Additional Calibration'.

Contact our team at Saucon to enquire about how Safe Driver can assist to improve your driver performance.

Contact us at: 888.872.8206 or TDSinfo@saucontech.com

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