

GemOne®

A company of **TVH**

Sapphire

Safety management for material handling



Sapphire is a safety management solution for the material handling industry which has unleashed the potential of tens of thousands of industrial machines across the world.

Whether you're an equipment dealer or the owner of machines, Sapphire increases the safety and efficiency of your fleet today and future-proofs your business for tomorrow.

Never fail on safety requirements again

Automated OSHA Checklist




Our on-screen OSHA compliant safety checklists **make pre- and post-start checks mandatory, with operator lockout** if there's a critical issue. It ensures operators have inspected the machine and determined that it is safe to operate.

It documents the completed checklist and the amount of time it took to complete. It tracks user behavior and safety issues with actionable insights on a cloud platform.



	Not Configured	Incomplete	Pass	Fail	Critical Fail	Pre-start Critical Failure	Total	Completion Rate
David White	0% (0)	2% (1)	87% (48)	0%	2% (1)	4% (2)	55	98%
Robert J. Williams	0% (0)	41% (7)	59% (10)	0%	0% (0)	0% (0)	17	59%
Robert Williams	0% (0)	0% (0)	100% (5)	0%	0% (0)	0% (0)	5	100%
Al Cook	0% (0)	100% (1)	0% (0)	0%	0% (0)	0% (0)	1	0%
Paul Bennett	0% (0)	0% (0)	97% (83)	0%	0% (0)	0% (0)	83	100%
Paul Bennett	0% (0)	0% (0)	100% (2)	0%	0% (0)	0% (0)	2	100%
Paul Bennett	0% (0)	0% (0)	100% (1)	0%	0% (0)	0% (0)	1	100%
Paul Bennett	0% (0)	0% (0)	100% (23)	0%	0% (0)	0% (0)	23	100%
Paul Bennett	0% (0)	0% (0)	100% (1)	0%	0% (0)	0% (0)	1	100%
Paul Bennett	0% (0)	2% (1)	97% (88)	0%	0% (0)	0% (0)	91	98%

Control how often the checklist is presented. **Create different checklists** to suit every type of machine in your fleet. **Customize questions** to meet your own requirements and randomize the order of questions to avoid mindless signing-off.

-  **No clipboards.**
-  **No illegible writing.**
-  **No paper.**

Just a safe fleet, every day.

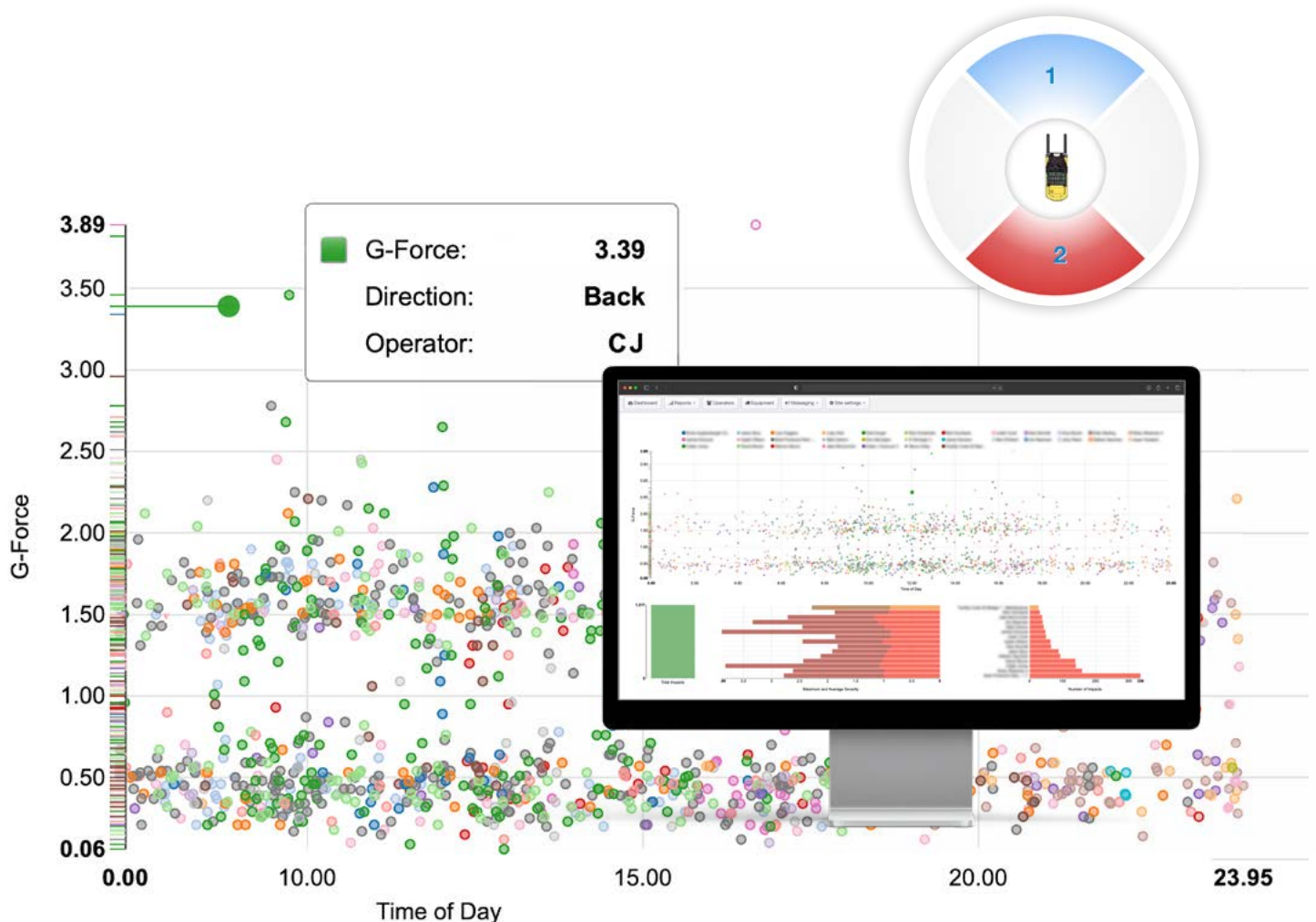
End lack of oversight on reported impacts

Impact Reporting

Unreported impacts are costly to your business, both in terms of product and equipment damage and machine downtime.

Receive instant notifications of impacts so you can **identify which operators are most prone to incidents.**

Set up lockout thresholds to notify the operator after an impact and to promote a safer work-space. You decide what these impact level thresholds are based on your specific needs and work environment. **Add additional strobes and buzzer alarms** to encourage safer driving behavior and reduce incidents inside and outside your warehouse.



Put an end to unapproved use of machines

Operator Access Control via PIN/RFID

Give access to your machines to approved operators via a **pin code, RFID card, or RFID fob**. Choose who you want to operate each machine, based on your own criteria of certifications and training.



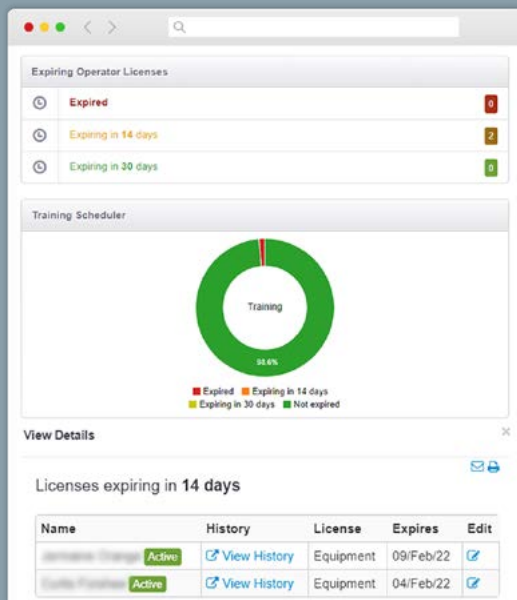
Those using standard non-RFID badges who don't want to manage a second ID card may also be able to integrate their existing cards into our system or attach our optional RFID sticker to their current badges for seamless use.

Cut out the uncertified use of machines for good

Certification Management

With Operator Certification, you can ensure that operators using your machines **always comply with the appropriate OSHA training** and certification requirements.

An Operator whose certificate expires will be instantly locked out of all equipment to ensure safety and compliance. You'll never lose track of certification requirements and you'll ensure every operator has the up-to-date OSHA certifications to operate their equipment.

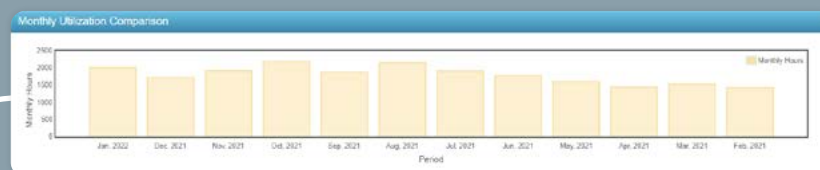
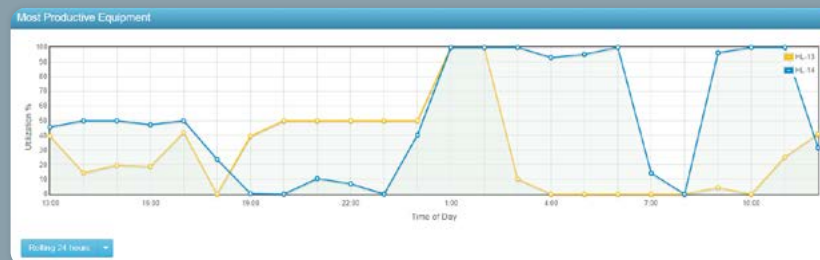


Stop guessing which machines work the most

Hour Meters Reporting

See exactly how long your machines are used.

Are some machines underused while other machines are overutilized?



Accumulated Key Hour Report

Asset No	Date	Total
HL-09	01/08/2022	9329
HL-10	01/08/2022	7800
HL-11	01/08/2022	6814
HL-12	01/08/2022	6816
HL-13	01/08/2022	2660
HL-14	01/08/2022	123
Total		34330

Have all the data you need at your fingertips to make smarter business decisions about **optimal fleet composition**.

Hours reporting helps you improve productivity and invest in your fleet more effectively.

Dealers can also be given access to this data so they get actionable insights on hour meters for setting service intervals proactively.

? **Less guessing when a forklift needs work.**

✂ **Fewer maintenance issues.**

🌀 **Reduced machine downtime.**

End confusion about how efficiently operators use machines

Session Reporting

Monitor the activity of both **individual operators** and **each of your machines** on a daily basis to gain insights on efficiencies.

Use reports in staff reviews and to set KPIs which reward safe, productive driving behavior.

Gain insights on key time, seat time, and hours of movement. Identify and remove roadblocks to efficiency.



Fleet No.	Operator	Start Date	End Date	Key Time
HL-11	Dale Sterling	February 14, 2022 07:24	February 14, 2022 07:47	00:23:27
HL-10	Dale Sterling	February 14, 2022 07:53	February 14, 2022 08:00	00:07:19
HL-10	Dale Sterling	February 16, 2022 06:38	February 16, 2022 07:36	00:57:49
HL-	Dale	February	February	00:04:15



Fleet No.	Operator	Start Date	End Date	Key Time
HL-14	Jason Bury	February 16, 2022 07:47	February 16, 2022 07:50	00:02:21
HL-14	Jason Bury	February 16, 2022 07:55	February 16, 2022 08:07	00:11:53
HL-14	Wendy	February 16, 2022 08:35	February 16, 2022 08:52	00:17:48

Operator	Not Configured	Incomplete	Pass	Fail	Critical Fail
Adam J. Kowalski	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)
Alan Burnett	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)
Beath Porteous New - 1.1	0% (0)	25% (1)	75% (3)	0% (0)	0% (0)
Adam J. Kowalski	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)
Alan Burnett	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)
Beath Porteous New - 1.1	0% (0)	25% (1)	75% (3)	0% (0)	0% (0)
Clare Jones	0% (0)	0% (0)	100% (3)	0% (0)	0% (0)
David Moore	0% (0)	0% (0)	100% (2)	0% (0)	0% (0)
David Wilson	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)
David Thomson	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)
Jake McCormick	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)
James Kirkpatrick	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)
Wendy Thomson	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)
Nathan Moore	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)

Get rid of dangerous blind spots in operator visibility

Cameras

- Reduce risk of equipment damage.
- Increase productivity.
- Reduce operator fatigue and stress.
- Shorten training time for new drivers.
- Increase work area safety.

Operators **see clearly** with the HR cameras (720p) where their vision is normally limited: in high level racking, double-deep racking, low level lighting, and blind spots.

The Sapphire displays up to 4 camera views. Cameras are recording if the forklift is turned on.



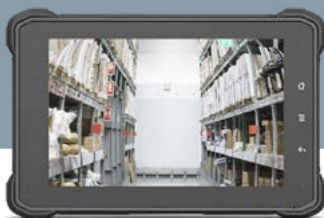
The cameras are **easily installed** on a strong, secure, magnetic base with no welding or drilling required.

Cameras can be repositioned as needed and are suitable for use **indoors and outside**.



Fork View

Provides the operator with a clear view of the fork tips. Installed onto the carriage and ideal for high-lift height applications or double-deep racking.



Mast View

Provides the operator with a clear view of fork depth and views over the load on their blind side.



Rear View

Provides the operator with an overview of the work area, with excellent picture quality in low light (especially helpful when backing into tight quarters or blind spots.)

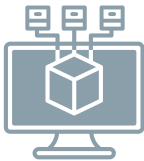


The cameras **automatically record video** to capture data that assists incident investigation.

Local footage playback gives the ability to view footage directly from the Sapphire display

Get up to **11 days of video** and then easily swap out your SD card for more.

Key features



Cloud platform

See all the data from your warehouse in an online cloud platform that offers **valuable business insights**.



Actionable insights

Download any report at any time, or schedule them to suit your needs. Know what is happening with your fleet at all times so you can respond in a heartbeat. Access your **data via any web-enabled device, anywhere, anytime**.



Fully customizable

Choose between overhead guard mounts or clamp mounts. Add **optional features** such as battery monitoring and proximity warning or **additional accessories** such as strobes and alarms for impact lockouts or safety checklist failures.



Built tough

Our hardware is **IP67 certified for industrial use**. EE Rated solutions are available for custom orders. We back every system with an industry-leading **3 year warranty** as standard, with a possibility of extending this warranty depending on your needs.

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A company of **TVH**

Sapphire

Make your warehouse **safer**
and more **efficient**

Request a demo:

www.gemone.com/demo

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