



**Reliable monitoring.
Accurate data.
Confident control.**

enVigil™ Flex industrial monitoring
and control software



When data matters, monitoring cannot be an afterthought

In industrial, test and controlled environments, poor visibility creates risk.

If data is difficult to access, inconsistent or spread across disconnected systems, it becomes harder to understand performance, prove results or respond to issues quickly. Manual checks and separate reporting processes can also increase workload, delay decisions and make it harder to maintain control.

Legacy monitoring systems can add another layer of challenge. As older systems become harder to support, integrate or adapt, they can limit how easily teams respond to changing operational, compliance or production requirements.

enVigil Flex helps bring monitoring, analysis and control into a more connected software environment.

By giving teams clearer visibility of live and historical data, meaningful alarms and configurable reporting, it supports faster decisions, improved process understanding and greater confidence in the data being used.

Common monitoring challenges

- Limited process visibility**
Teams cannot easily see what is happening across equipment, environments or test conditions.
- Disconnected data**
Information is held in separate systems, spreadsheets or manual records, making reporting slow and inconsistent.
- Ageing infrastructure**
Legacy systems become difficult to maintain, modify or support as operational requirements evolve.
- Slow response to issues**
Without clear alarms and live monitoring, teams may only identify problems after they have already caused disruption.
- Complex reporting**
Data needs to be reviewed, shared and presented in a format that supports testing, audits, analysis or decision-making.

Take control of your monitoring, data and processes

When critical data is central to product quality, test performance, asset reliability or process control, monitoring software needs to do more than collect readings.

It needs to give teams accurate measurement, clear visibility and the confidence to act.



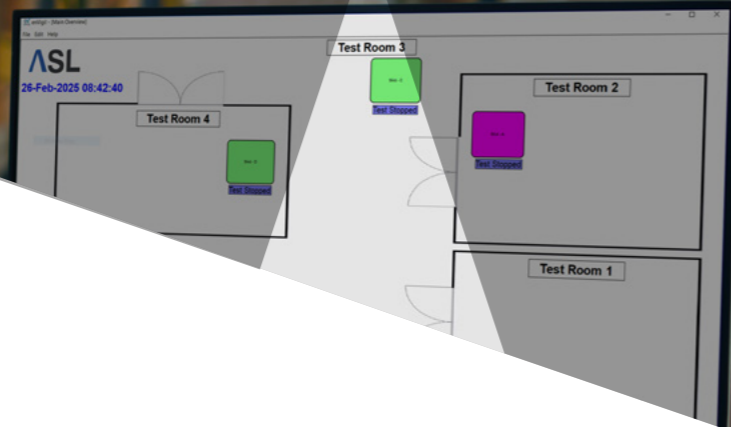
enVigil Flex is ASL's configurable software package for data acquisition, monitoring, analysis and control. Designed for industrial and high-integrity environments, it brings live data, alarms, reporting and control functionality together in one flexible system.

Built by ASL's own engineers, enVigil Flex combines software capability with practical hardware and systems knowledge. This allows monitoring solutions to be configured around the application, the environment and the way teams need to work.

enVigil Flex

enVigil Flex helps you:

- Monitor critical parameters in real time
- Capture accurate data from connected sensors, devices and systems
- Analyse performance through trends, dashboards and reports
- Respond quickly to alarms, changes and out-of-tolerance conditions
- Automate test sequences and control processes through configurable software interfaces
- Generate consistent reports from captured test and monitoring data
- Modernise existing monitoring infrastructure without unnecessary complexity



Flexible software for monitoring, analysis and control

enVigil Flex brings the core tools needed for industrial monitoring, data acquisition and control into one configurable software platform.

The system can be tailored around the monitoring points, data types, control requirements and reporting outputs needed for each application.



Data acquisition

Capture data from connected sensors, instruments, devices and systems. enVigil Flex enables teams to collect and manage the measurements that matter to their process, test environment or facility.



Test automation and control

Automate test routines, manage process steps and control connected equipment through configurable software interfaces. enVigil Flex helps teams run more repeatable tests and generate consistent outputs with less manual intervention.



Alarms and alerts

Configure alarms around key parameters so teams can respond quickly when conditions change. Alerts can be tailored to support meaningful action and reduce unnecessary noise.



Reporting

Create clear reports that support testing, analysis, review and decision-making. Data can be presented in the format needed by operators, engineers, quality teams or wider stakeholders.



Trends and visualisation

View live and historical data through clear dashboards, trends, plots and visual displays. This helps teams understand performance, identify changes and review data over time.



Driver flexibility

Connect to a wide range of devices, systems and data sources using multiple drivers. This helps enVigil Flex integrate into existing environments and support future system development.

Keep systems running and data protected

Critical monitoring systems need to remain available, even when networks, infrastructure or operating conditions create disruption.

enVigil Flex is designed to support reliable data capture, operational continuity and confidence in the information teams are working from. Local data storage helps protect information during network interruptions, while resilient deployment options can support business continuity and recovery planning.

For teams working in test, production, cleanroom or high-integrity environments, this means monitoring can continue to support day-to-day control while reducing avoidable disruption.

The system can also be deployed in virtual machine environments, helping organisations simplify IT management, improve recovery options and align monitoring infrastructure with wider business systems.



Designed to reduce disruption, protect data and keep critical monitoring systems available.

- Protected data during network interruptions
- Reliable capture of live and historical information
- Business continuity through resilient deployment options
- Planned maintenance and updates with reduced disruption
- VM compatibility for easier IT management and recovery
- Long-term confidence in test, process and monitoring data

Smarter monitoring without unnecessary cost or complexity

Monitoring systems should make work easier, not harder.

enVigil Flex helps teams reduce manual checks, duplicated effort and disconnected reporting by bringing data acquisition, alarms, visualisation and reporting into a single configurable environment.

Because the software can be tailored around the application, organisations do not need to force their requirements into a fixed or overcomplicated system. Instead, enVigil Flex can be configured to support the way the site, process or test environment already works.

For organisations with older infrastructure, this can also support a more practical route to modernisation. Existing systems may not always need to be replaced all at once. With the right engineering approach, useful infrastructure can often be integrated, upgraded or evolved over time.

Practical Benefits



Less manual reporting

Reduce time spent collecting, transferring and formatting data from separate sources.



Faster fault identification

Use live data, trends and alarms to identify issues earlier and respond with greater confidence.



Reduced downtime risk

Improve visibility of critical parameters and support faster action when conditions change.



Better Use of Existing Infrastructure

Modernise monitoring capability while protecting useful hardware, sensors or systems where appropriate.



More Efficient Maintenance and Support

Use clear data and configurable monitoring to support planned maintenance, diagnostics and long-term system care.

A system that can grow with your requirements

No two monitoring applications are exactly the same.

Some organisations need a focused system for a specific process, test rig or controlled environment. Others need a larger monitoring and control solution that connects multiple areas, data sources or facilities.

enVigil Flex is built around a modular and configurable architecture, allowing it to be tailored to different levels of complexity. It can support smaller systems as well as larger industrial environments, giving organisations a platform that can evolve as requirements change.

As monitoring points increase, test requirements develop or facilities expand, enVigil Flex can be adapted to support additional data sources, devices, processes and reporting needs.

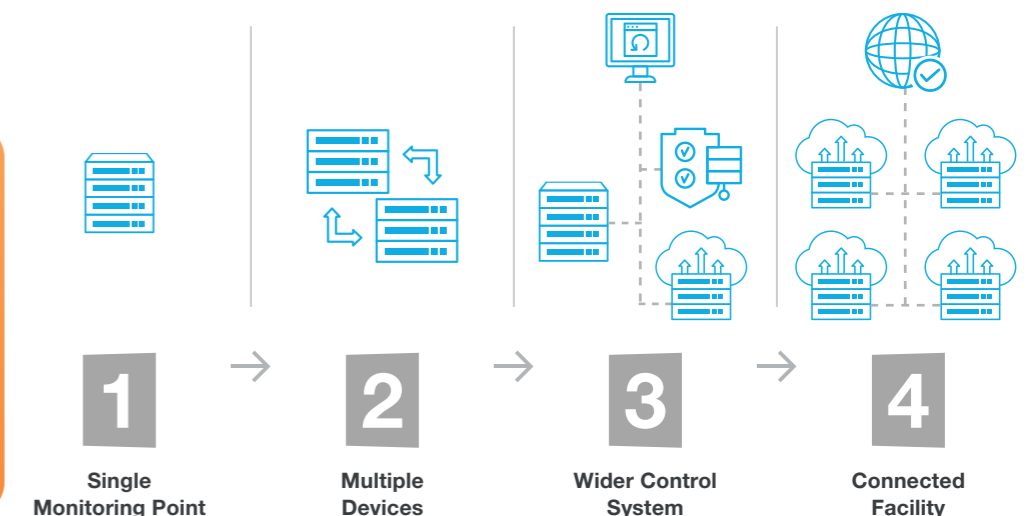
It can also integrate with existing systems and infrastructure, helping teams create a more consistent view of data across connected operations.

Focused monitoring to wider control

enVigil Flex can support:

- ✓ Single process, test rig or automated test environment monitoring and control
- ✓ Cleanroom and controlled environment monitoring
- ✓ Production and process visibility
- ✓ Asset and infrastructure monitoring
- ✓ Legacy system modernisation
- ✓ Multi-point monitoring across larger facilities
- ✓ Integration with existing devices, sensors and systems
- ✓ Test automation and automated reporting workflows

Focused monitoring requirement to a wider control system, enVigil Flex can be configured around the way your operation works.



enVigil Flex in action

Current applications of enVigil Flex across industrial environments

enVigil Flex is used across a wide range of industrial environments, helping teams capture, monitor, analyse, control and automate critical processes in a way that fits their application.

Because the software is configurable, ASL can shape each system around the data, processes and operational requirements of the site.

From test environments and cleanrooms to legacy infrastructure and asset monitoring, enVigil Flex helps organisations solve real monitoring, control and automation challenges without unnecessary complexity.

1

Commercial refrigeration testing



Challenge

Ageing test monitoring systems can become outdated, unsupported or difficult to adapt. Manual reporting can also slow down test workflows and create additional administrative work.

enVigil Flex role

Modernise the monitoring, control and reporting environment while supporting the way existing test teams already work.

Outcome

More efficient test monitoring, automated reporting and improved visibility of system performance.

Scan for case study



2

Defence and aerospace testing



Challenge

Critical test environments need accurate data acquisition, reliable control, repeatable test sequences and consistent reporting.

enVigil Flex role

Provide configurable monitoring, test automation, control and reporting for demanding test applications.

Outcome

Better visibility of test data, more consistent test execution, improved reporting and greater confidence in results.

3

Cleanroom monitoring



Challenge

Controlled environments need real-time visibility, accurate data and quick response to changing conditions.

enVigil Flex role

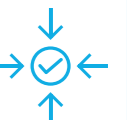
Monitor critical parameters and provide alarms, trends and reports from one configurable platform.

Outcome

Greater control of cleanroom performance, reduced risk and easier access to monitoring data.

4

Legacy monitoring system modernisation



Challenge

Older monitoring systems can be difficult to support, expensive to replace and limited in functionality.

enVigil Flex role

Add modern monitoring, alarm, reporting and remote access capability while retaining useful existing infrastructure where appropriate.

Outcome

Reduced replacement cost, improved functionality and less disruption than a full system replacement.

5

Asset and infrastructure monitoring



Challenge

Bridges, structures and industrial assets may require long-term data capture to understand performance, vibration or changing conditions.

enVigil Flex role

Combine sensor data, trends, alarms and reporting in one monitoring environment.

Outcome

Earlier visibility of changes, clearer diagnostics and more informed maintenance decisions.

6

Nuclear and high-integrity environments



Challenge

Critical environments need robust monitoring, reliable data and confidence in system continuity.

enVigil Flex role

Support high-integrity monitoring and control applications where performance, uptime and traceability matter.

Outcome

Reliable visibility of key parameters and stronger control of complex monitoring environments.



Integrated vibration monitoring in one software environment

Many industrial monitoring systems collect conventional sensor data. But some applications need a deeper view of asset, process or structural behaviour.

enVigil Flex can integrate measurements from conventional sensors and vibration monitoring modules into one software environment. When used with ASL's MX5400 series vibration monitoring modules, it brings critical data together in a single platform.

By combining data sources, enVigil Flex can support diagnostics, testing, maintenance planning and performance analysis across demanding industrial applications.

This gives teams a more complete view of performance without relying on separate tools, systems or training routes.

*One software environment.
Multiple data sources.
Clearer insight into asset
and process performance.*



Integrated monitoring can help teams:

- ✓ **Combine multiple data sources**
Bring conventional sensor data and vibration data into one platform.
- ✓ **Reduce separate software tools**
Give teams one familiar environment for monitoring, analysis and reporting.
- ✓ **Identify changes earlier**
Use trends, alarms and live data to spot patterns or issues before they become more disruptive.
- ✓ **Build a clearer performance view**
Understand asset, process or structural behaviour in more detail.
- ✓ **Support diagnostics and testing**
Use connected data to support performance analysis, troubleshooting and repeatable test processes.
- ✓ **Strengthen asset, infrastructure and test monitoring**
Support more demanding applications where multiple data types need to be understood together.



More than software, a long-term engineering partner



enVigil Flex gives ASL the flexibility to support complete turnkey monitoring, control and test automation projects, as well as targeted software upgrades, integrations and system modernisation.

It is part of ASL's wider engineering approach to monitoring, data acquisition and control. Since 1989, ASL has been designing and delivering monitoring and control solutions for industrial, test and controlled environments.

With in-house software and hardware expertise, ASL can support projects from initial specification through to design, configuration, installation and ongoing service.

This means the system can be tailored around real operational requirements, not just technical assumptions. ASL's engineers understand the practical challenges of connecting devices, capturing reliable data, supporting older infrastructure and helping teams work with monitoring systems over the long term.

Why work with ASL?

- ✓ **Engineering-led approach**
Systems are developed by engineers who understand monitoring, control, hardware integration and real-world industrial requirements.
- ✓ **In-house software and hardware capability**
ASL brings together software development and hardware expertise, helping create solutions that work practically in the field.
- ✓ **Full lifecycle support**
From specification and configuration to installation, updates and ongoing service, ASL supports systems beyond initial deployment.
- ✓ **Tailored to the application**
enVigil Flex can be configured around the environment, process, data requirements and operational needs of each customer.
- ✓ **Experience across demanding environments**
ASL supports industrial, test, cleanroom and controlled environments where accurate data and reliable monitoring matter.

enVigil™ | Flex

Ready to take control of your monitoring data?

enVigil Flex gives industrial teams the software, hardware integration and engineering support needed to monitor, analyse and control critical data with confidence.

If you are improving an existing system, modernising legacy infrastructure or specifying a new monitoring and control solution, ASL can help you build a system around your requirements.

**Discuss your monitoring requirement
with us today**



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ASL

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