Visual intelligence: the missing piece of the science automation puzzle



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Visual Intelligence

The missing piece of the Science Automation Puzzle

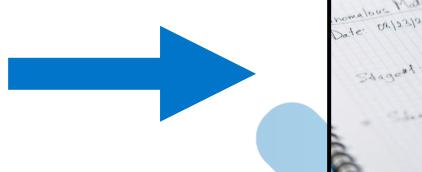


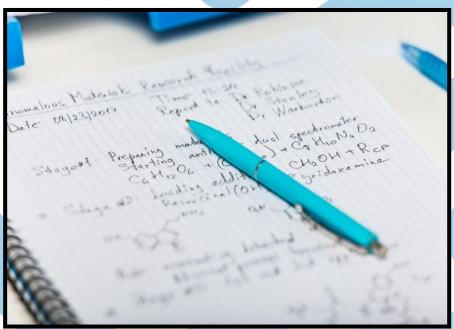




Observation is the foundation of the scientific method.



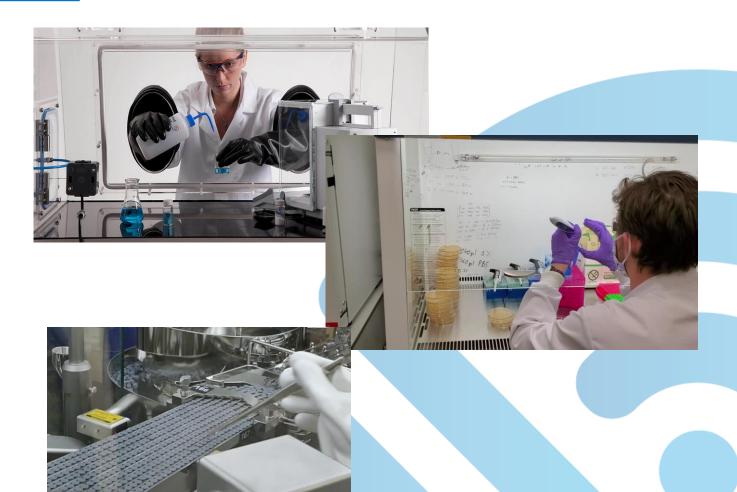




The human/data interaction problem at the foundation of science.

Human Experience:

- Manual data capture and logging into ELNs.
- Discrete rather than continuous.
- Irreproducibility challenges.
- Multiple layers of validation.



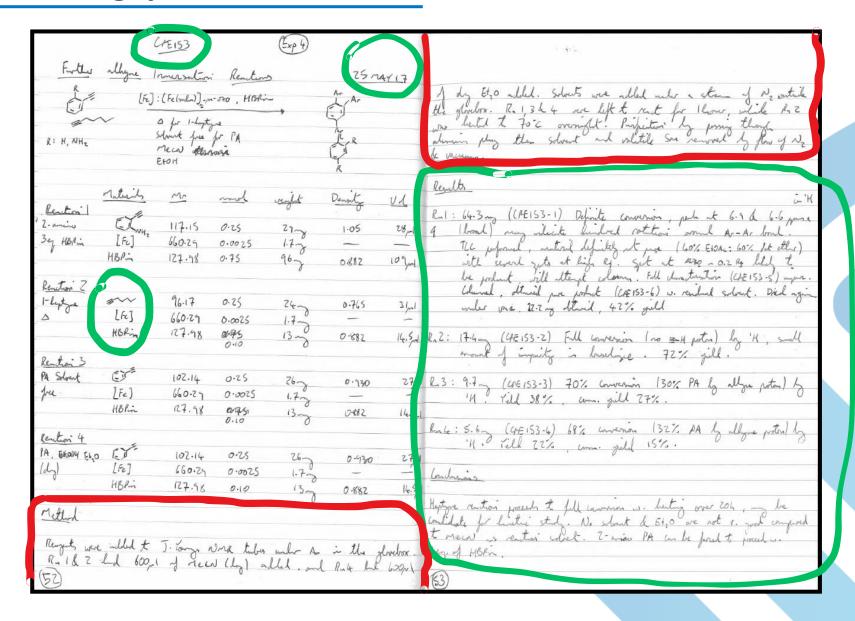
Compounded and costly when scaling to manufacturing.

Finding the sources of Critical Latent Datasets.



- Human activity and workflow.
- Experimental processes.
- Material condition and state.
- Protocol Adherence and Deviation.
- Machine and automation systems.
- Environmental monitoring.
- Behavioural and intraction.

The information gap



Packaging it all up.

Cloud platform

Access your data from anywhere

Information Intelligence

Critical information, when it matters

Monitoring Intelligence

24/7 hands free data capture

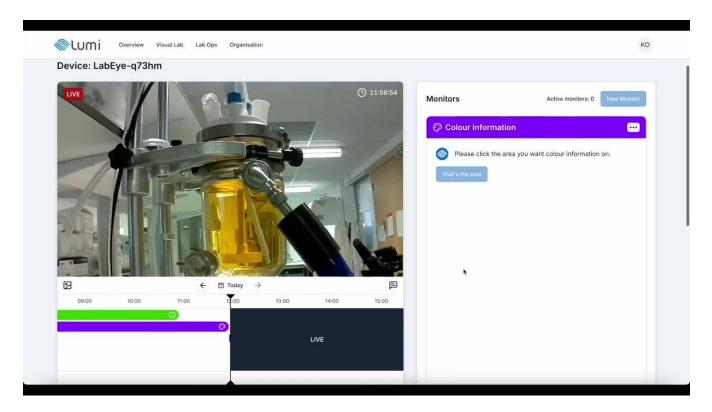
Protocol & Workflow Intelligence

Hand and instrument detection



Experiment and process Monitoring Colour, Liquid, Insights, Multivariate Analysis

Designed for simplicity, no steep learning curve





Your real-time lab companion

No complex learnings when setting up AI agents. Follow through the intuitive platform to track relevant information within the lab



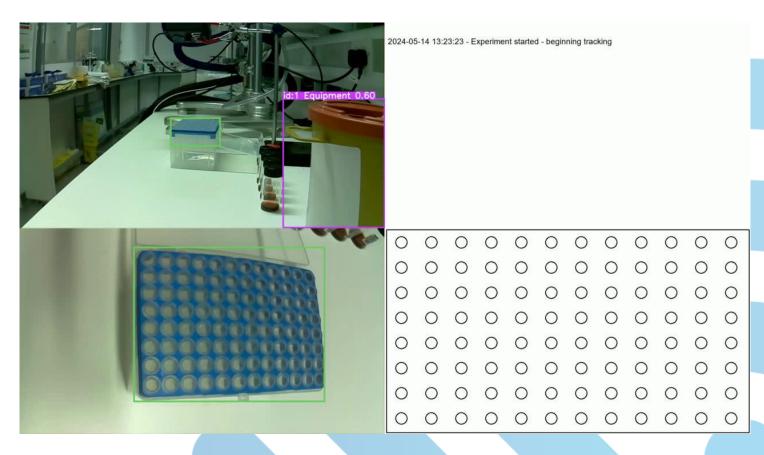
Complete data capture without burden on scientists.





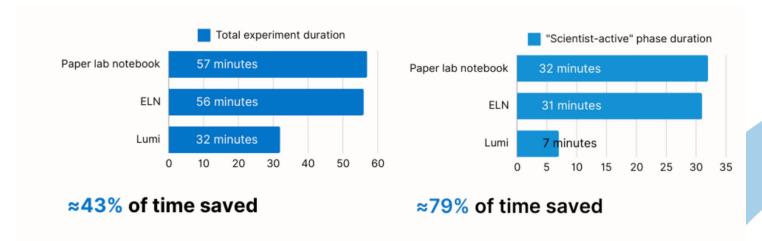


Remote Monitoring and Data Capture in Labs.



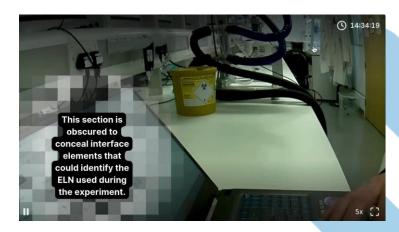
Real-time protocol documentation, process tracking and compliance validation in testing and MFG.

Lets put Lumi to the test



Lumi saves 100% of data capture time and returns





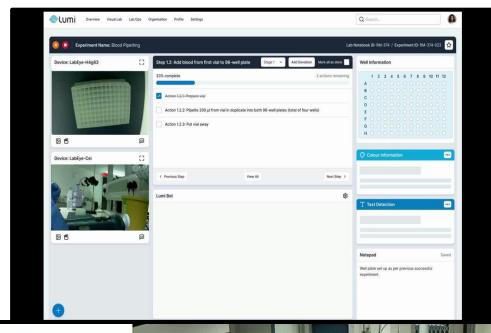


Lab Notebook



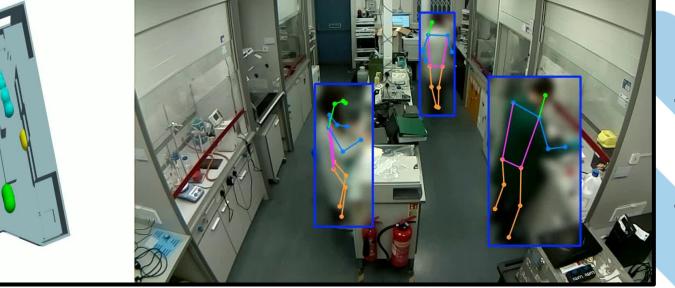


Where we are going

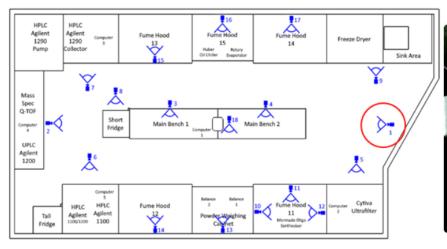


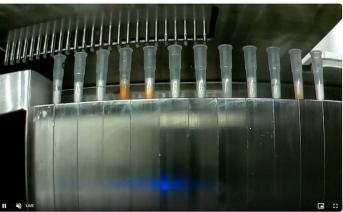


- Understanding of what is happening from context
- Bringing up Al agents pertinent to operation
- Linking macro and bench/FH views for wholelab tracking
- Minimal human intervention
- A true audit trail of your lab work...what you did, when,

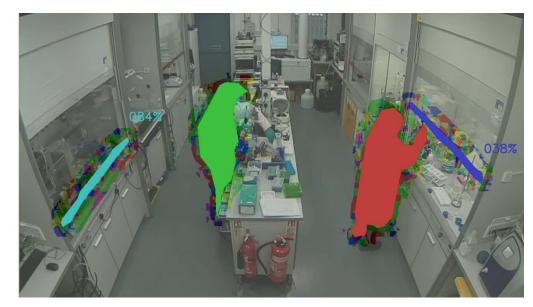


Labs of the future



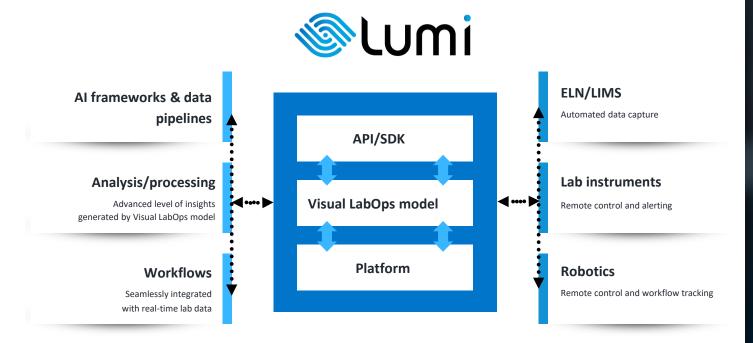








Complete Your Automation Puzzle with Lumi.



Lumi is becoming the **Automation Hub** powering the **R&D behind the global economy.**

Lumi™ Ecosystem

Lumi's integrates easily via API's and SDKs to reduce time-to-value.

Get scientists back to science, error-proof compliance and accelerate R&D.

lumi.systems

Proven success in early deployments.

Accelerated a critical process by 25%, with automated data capture and process insights.



"We especially liked the LabEye modules and the simplicity of its integration with our systems."

Senior Scientist, Pfizer

Improved process efficiency by 30%, reducing waste and optimizing medicine manufacturing.



"The pandemic has really shown that **speed to market** is absolutely essential for good patient outcomes and technology like Lumi really helps us drive that speed, it helps us **create medicines more quickly** and it gets **deeper understanding** of what we're doing all in the same package."



Visual Intelligence for Science Automation

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