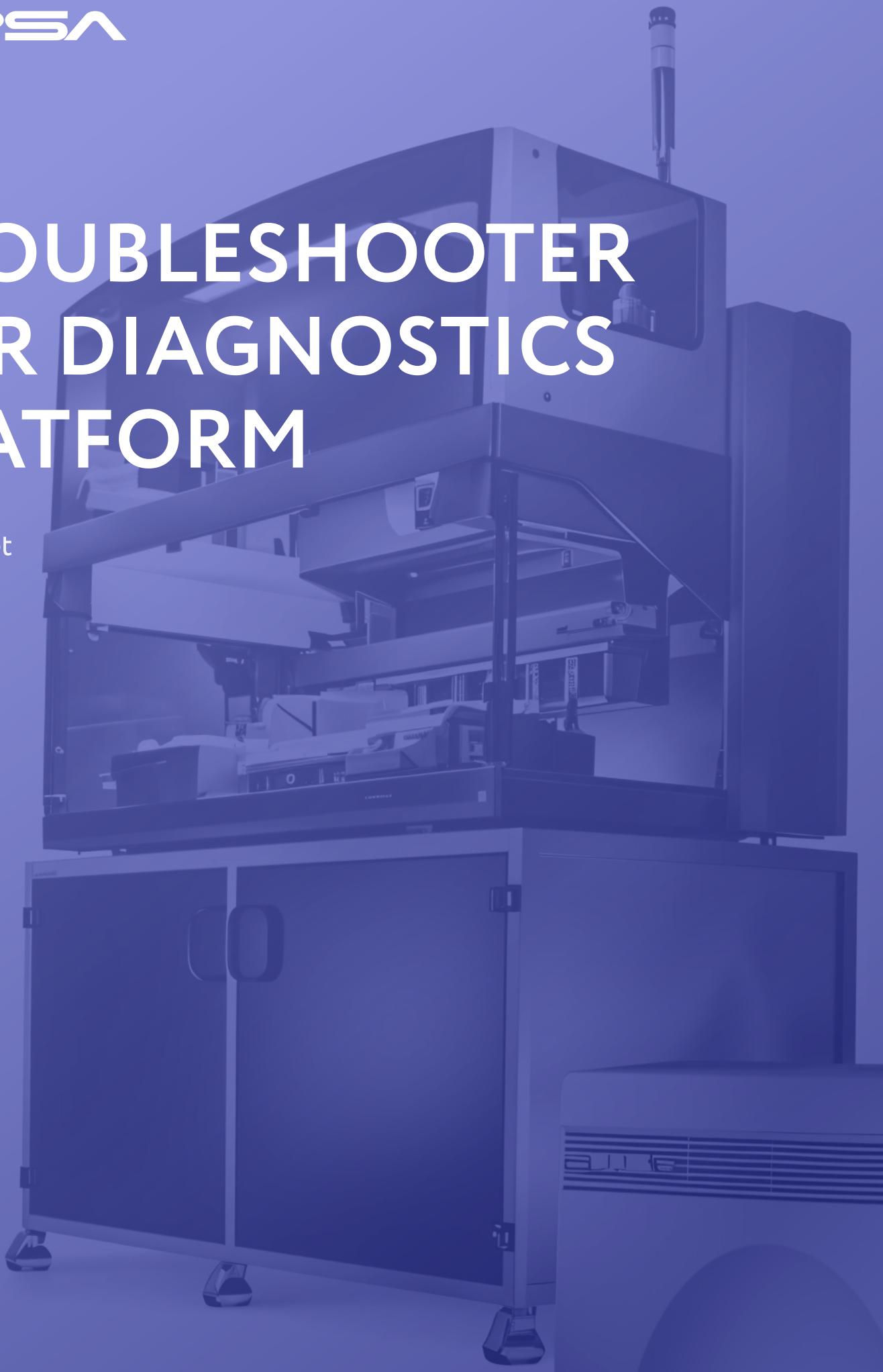
TROUBLESHOOTER FOR DIAGNOSTICS PLATFORM

Datasheet



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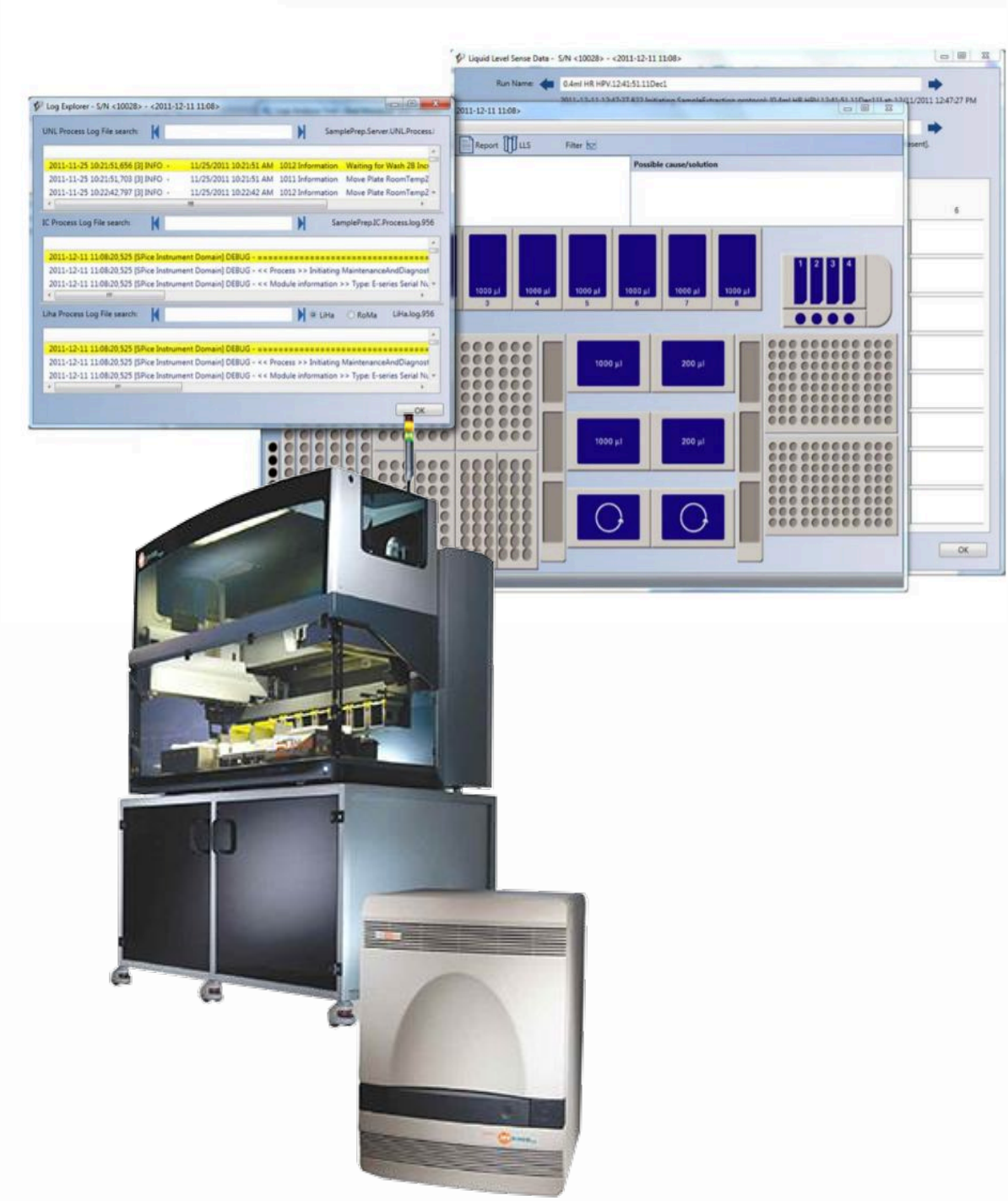
Project objective

Develop accurate and interactive troubleshooting software, enabling rapid search and handy graphical representation of errors for 3-component IVD equipment. This would help significantly reduce maintenance costs through prompt detection of software, hardware, and human errors before they bring about real issues.



Result

A precise, real-time troubleshooting tool is a log files analyzer that enables real-time error detection and root cause analysis to prevent costly maintenance of diagnostics equipment. A 2D view of the worktable, liquid handling, robotic manipulation, and barcode identification areas highlights green dots for the error-free locations and red dots on the error-present ones. By clicking on red dots, the user can access a detailed error overview, including frequency and type.

Scope of work

- Software and GUI for the log analyzing tool, enabling simultaneous exploration of actual log files
- Implementation of detailed error reporting by frequency and type (software, hardware, human)
- Generation of organized measurement data for each device location
- Data export functionality for further analysis

Activities

- Requirements definition
- GUI design & development
- Software development
- Functional testing
- Acceptance testing

About the project

Technologies

- C/C++
- .NET
- WPF

Project size

- 1 Business Analyst
- 3 Software Engineers
- 1 QA Engineer

Duration

5
months