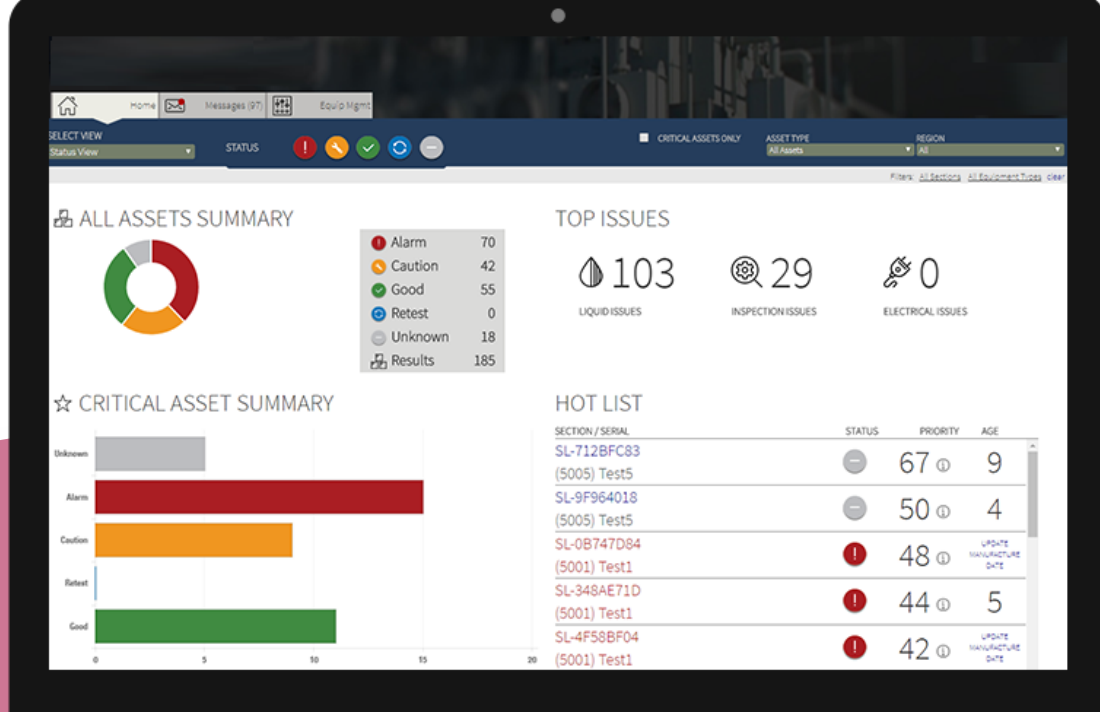


Testing of Platform For Monitoring and Analysis of Equipment State at Enterprises

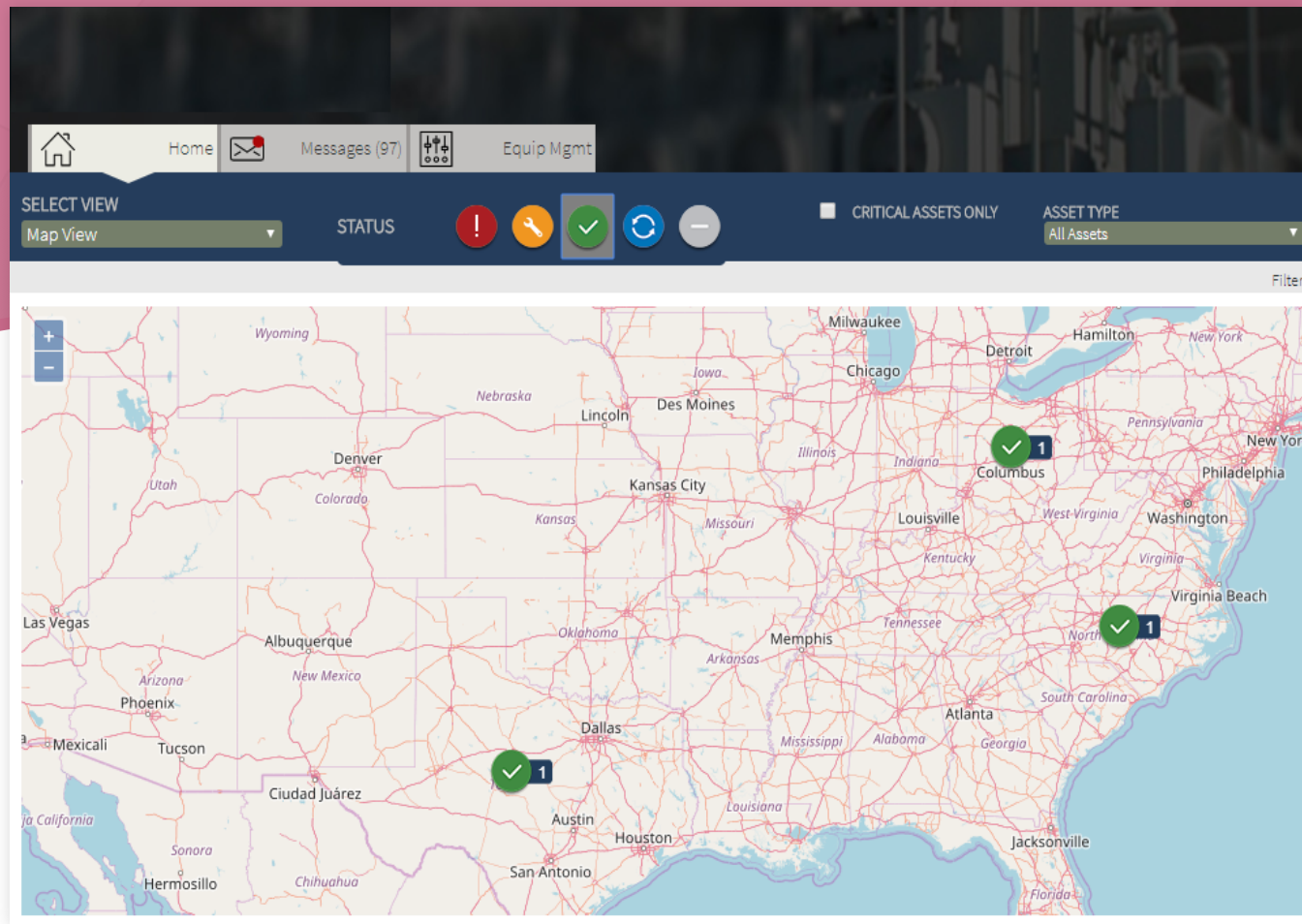
The application is a platform that helps factory owners monitor and analyze equipment status at facilities. It allows users to receive up-to-date information on the state, control assets, conduct tests, receive warnings in the event of critical asset condition. The product consists of different modules. Its users also have different levels of rights.

The application allows you to see the status of a large fleet of equipment, as well as generate a report on this.



Challenges for QA team

It was decided to conduct inspection of product quality because the first several stages of product development were carried out without product testing. The quality Department was tasked with testing the entire application to identify GUI and functional defects and propose recommendations for product improvement. To attract more customers, it is necessary to ensure that the application works good in the set environments by means of cross-browser/cross-platform testing. The final stage of testing was requested to conduct exploratory testing to find complex logic and non-trivial bugs. The result of this test should be a report on the quality of the product being tested.



Types of software testing

- Functional testing
- Cross browser testing
- GUI testing
- Requirements examining
- Form validation testing
- Exploratory testing
- Security testing

Team engaged

1 QA engineer

Duration

115 man-hours

Project type

Web application

Tools and Platforms

Tools: XBtrack, Google Docs

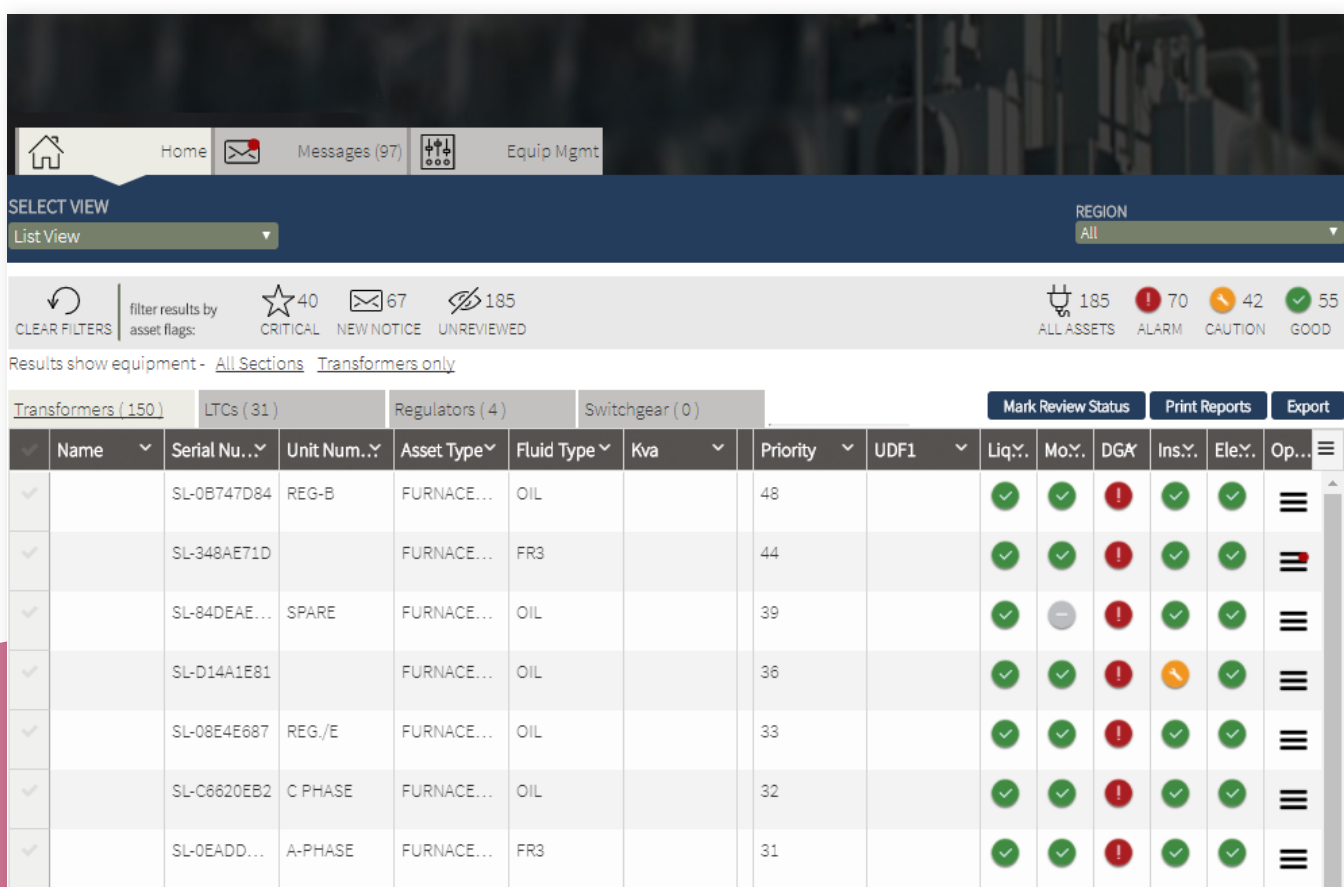
Platforms: Windows, MacOS, iOS

Browsers:

Chrome, Safari, FireFox, IE11

Provided documents and reports

- Check-list
- Bug-report
- Security test report
- Security report



Name	Serial Nu...	Unit Num...	Asset Type	Fluid Type	Kva	Priority	UDF1	Liq%	Mo%	DGA	Ins%	Ele%	Op...
	SL-0B747D84	REG-B	FURNACE...	OIL		48		✓	✓	!	✓	✓	
	SL-348AE71D		FURNACE...	FR3		44		✓	✓	!	✓	✓	
	SL-84DEAE...	SPARE	FURNACE...	OIL		39		✓	✓	!	✓	✓	
	SL-D14A1E81		FURNACE...	OIL		36		✓	✓	!	!	✓	
	SL-08E4E687	REG/E	FURNACE...	OIL		33		✓	✓	!	✓	✓	
	SL-C6820EB2	C PHASE	FURNACE...	OIL		32		✓	✓	!	✓	✓	
	SL-0EADD...	A-PHASE	FURNACE...	FR3		31		✓	✓	!	✓	✓	

Since the QA engineer was involved into the project, the following results have been achieved:

- GUI testing made it possible to identify numerous errors in the application interface
- Functional testing revealed an error in the application logic
- During cross-browser and cross-platform testing errors in various browsers and platforms were found
- Exploratory testing helped to uncover the complex logic and non-trivial bugs
- Security testing helped to identify and further eliminate critical moments in the application security

Thanks for watching!

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3a Kollektornaya Street, Minsk 220004, Belarus
+375 17 200 03 40
info@xbsoftware.com