

Case Study**EquipWatch standalone AJAX enabled web applications**

SHOCKWATCH®

DAMAGE PREVENTION. WE'RE ON IT.

More than 30 years ago, [ShockWatch](#) turned a simple idea into a global resource. The company's very first proprietary indicators were used to detect mishandling of sensitive computer media in transit. We found this simple concept so effective that additional technology was developed for many other applications. Soon, ShockWatch introduced the marketplace to a whole new class of products: Damage Prevention.

ShockWatch, a division of the MRI family, evolved with each new innovation, quickly growing into the worldwide authority on damage prevention. Our expert resources help customers around the globe find the right solutions to prevent damage and reduce costs.

Innovative products and responsive service are the hallmarks of the MRI family of companies: ShockWatch, DPC, and DataSpan. From small businesses to multi-national companies — including two-thirds of the Fortune 100 and more than half of the Fortune 1000 — we are dedicated to helping our customers achieve new levels of efficiency, quality, and safety.

Our involvement

SoftAspects developed EquipWatch AJAX enabled web application for equipment monitoring system EquipManager.



Features Designed for Maximum Performance:

- Fully configurable pre-shift safety checklist through audio-visual display
- Real-time impact detection and recording through patented, user-adjustable sensor
- Vehicle access control via multiple user-defined interfaces (iButtons, barcodes, and proximity cards)
- Multi-parameter monitoring through customizable inputs, such as fluid pressure, speed, temperature, lift count, travel time, key-on time, and reverse count (8 digital inputs and 2 analog inputs)
- Equipment location services
- Customizable events and event processing, including more than 60 standard events
- Lock-out / tag-out capability / inactivity logoff
- Usage monitoring (time, cycles, repetitions, etc.)
- Multiple wireless data transmission options (802.11b/g and 900MHz)
- Support for WEP, WPA, and LEAP security modes
- User-definable maintenance alert
- Full user menu with text messaging
- Remote updating and configuration of device settings, firmware, and iButton key configuration
- Flexible mounting locations and orientations
- UL rating — Type E, EE, G, GS, LP, LPS, D, and DS



Our involvement

Technologies:

- Java Application Server – Jboss
- Database – MySql
- Server side – JSF, Facelets, Jboss Seam, Hibernate, EJB3
- Client side – browser based technologies including AJAX, JavaScript, DHTML, CSS

Achievements

- EquipWatch management software allows to configure the system and receive the information you need to more effectively plan operations, reduce costs, and improve safety.
- Detailed reports and graphs communicate the data clearly so that you can analyze which procedures are working and which areas require improvement.
- Users can stay informed on the road, in the field, or in remote parts of a facility.

SHOCKWATCH® EquipWatch

[home](#) | [logout](#)

[Setup Wizards](#) | [System Status](#) | [System Setup](#) | [Company Setup](#) | [Unit Setup](#) | [Event Setup](#) | [Alert Setup](#) | [Access Setup](#) | [EquipManager](#)

Unit Setup Wizard

[Site Setup](#) | [Equip. Owner](#) | [Equip. Model](#) | [Safety Profile](#) | [Unit Profile](#) | [Unit Configuration](#)

Safety Checklist Profile

Equipment Model Types
Input Ports
Safety and Messaging
Unit Profiles
Unit Configuration
Accelerom. Profiles
Read Settings Key
Send Config Via Radio
Usage Manager Ports

Edit Profile: [add profile](#)

Profile name:

Check Mode:

System Messages:

Disabled First

Default Timeout: seconds

Chirp Seconds: seconds

Minimum Display Time: seconds

Keypad Latency: seconds

[save](#)

[delete profile](#)

#	Text Line 1	Text Line 2	Lift Disabled	Correct Answer	Disable Chirp	Timeout	
1	Have you	punched in yet?	N	Y	Y	1	edit
2	Are the tires	properly inflated?	N	N	N	1	edit
3	Is there damage	to the unit?	N	N	Y	1	edit
4	Is the unit	fully charged?	N	Y	Y	1	edit
5	Is your seat	belt fastened?	N	Y	Y	1	edit

[add new](#)