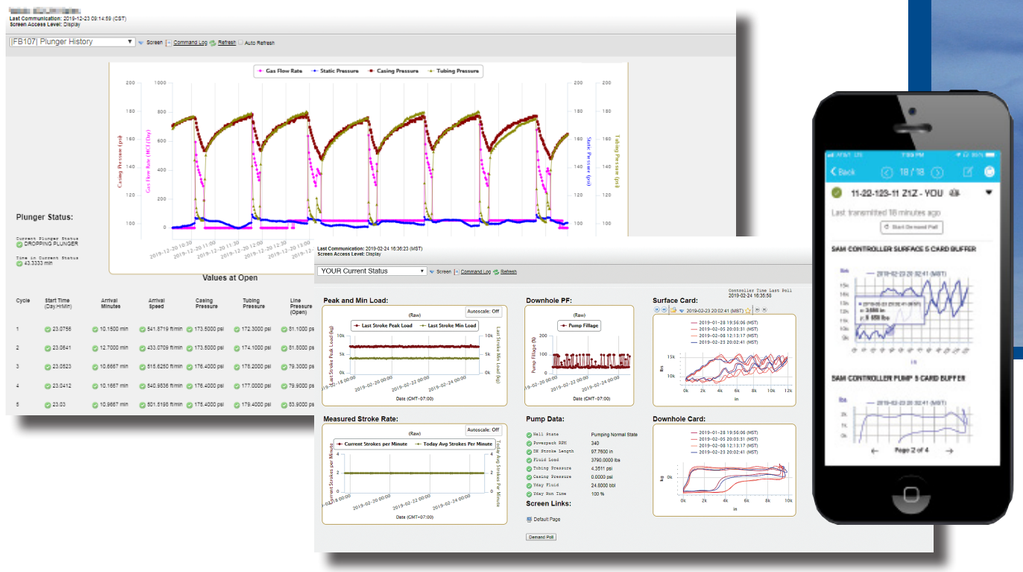
Increase Your Operational Efficiencies with Cloud-Based Data and Analytics

Zedi SaaS SCADA

Effortlessly integrate data from any source to rapidly enable better business decisions while increasing safety, production, profits and sustainability.

EMERSON

Gaining remotely located asset data is just the beginning, it's what you can do with all that rich data that really matters



Deliver better business decisions based on vivid data analytics securely delivered to your authorized users at anytime, anywhere to operate more efficiently and safer.

The Global Datasphere will grow from 33 Zettabytes in 2018 to 175 Zettabytes by 2025*

Over 50 percent of businesses report that they have too much data to be able to analyze it efficiently though, and 44 percent report that they could do a better job at analyzing their data.**

Trend and report operational data to discover several potential best-practice ESG opportunities

Your entire operations, including remote assets with limited access can be easily managed to gain insights on air quality, energy and water management, ecological footprints, HSE and more. Quickly gain analyzed data that presents you with opportunities for ESG (environmental, social and governance) improvement opportunities to make a large, positive impact on your business, and the communities in which we all work, live and play.

Safely gain quick and easy solutions to even your most difficult industrial challenges

Our intuitive, scalable and always up to date cloud based software as a service was built to take on the industrial challenges you face everyday and to fully support any digital monitoring hardware for real-time operational data and analytics with an aggregated view, mobile app, cry-out alarms and advanced security for remote control and monitoring at anytime, and from anywhere for your authorized users.

*https://www.seagate.com/files/www-content/our-story/trends/files/idc-seagate-dataage-whitepaper.pdf
**Strategy Analytics IoT 2016 Deployment and Trends Usage Survey

Rapidly realize your operations potential through advanced cloud analytics, machine learning, AI and mobility.

Reduce the amount of time your staff spends traveling to and from remotely located assets with real-time visibility to levels, pressures, motions, temperatures and more.

Getting end-to-end operational data in real time from every sensor is the key to optimizing your operations. Provide your staff with secure, real-time, easy-to-read operations data – anytime, anywhere that drives stronger business decisions at every level.

Emerson's secure, scalable Zedi SaaS SCADA enables operators around the world to compile data from any digital monitoring hardware via gateways that support a variety of protocols. We provide end users with a web interface, as well as the ability to push data to third party platforms, allowing remote control and optimization via authorized, cloud-based data access.

Discover how we will help you easily understand big data with vivid analytics while providing greater mobility.

Effortless, always up to date software enables you and your people to better focus on more impactful business decisions

Our platform is built for anything under the industrial sun. You may even decide to layer our SaaS SCADA onto your own current system to help make your team more mobile, as a secondary system for a transitional time-frame until your people are comfortable using a new system, or even as a secondary back-up to add another layer of security in the event your in-house system fails.

Our SaaS is hardware agnostic, which means you can utilize the hardware you may already own, and still get decision making data

You decide on what sensors and hardware equipment are best suited for your situation. All you do is tell us what you want for data and analytics to be reported and we'll do the rest—in just a few days. This delivers your people with the actionable insights they need to make better operating decisions quickly and efficiently.

*https://download.microsoft.com/download/1/6/0/160216AA-8445-480B-B60F-5C8EC8067FCA/WindowsAzure-SecurityPrivacyCompliance.pdf

Focus on your business, not your platform

Digitally transform your operations with anywhere, anytime access to your operational data to increase safety, uptime and profitability. Clear and easy to understand real-time data provides visibility and minimizes manual operational tasks while driving robust safety processes. User-friendly, accurate cloud data is available only to authorized users to better communicate across your organization; from remote locations to the main office, and everywhere in-between.

Control and optimize with secure, cloud-based data access

- Give unlimited users authorized, role-based access
- Anytime, anywhere access with the Zedi Go mobile app
- Optimize operations with cry-out alarms
- Effortless always up to date software
- Easily push data to third party platforms
- Maintain business continuity with 24/7/365 support
- Quickly up-skill your staff with user training

Ensure your authorized users have easy access to actionable data to improve decision making and maintain operational continuity across your organization.

Flexible and proven IIoT platform engineered for secure operations

From one location to multiple sites across the globe, our agile solution provides the flexibility to quickly and easily add newly acquired locations at any time. We provide end users with a web interface, as well as the ability to push data to third party platforms, allowing authorized, secure remote control and optimization via cloud-based data access.

Unlock the most value from your data with our SaaS cloud-based solutions

Our software applications are built for operations and are delivered as a service to ensure you always have the latest enhancements, security, full 24/7 support and user training. Alarming at designated set-points notifies you, and authorized people or groups when thresholds are met to increase safety and return.

Mobile app built for your industrial operational data anytime, anywhere

Enter, monitor and manage your operational data with vivid reporting and trending that enable your operation to increase efficiencies and eliminate costly, time consuming and unnecessary trips to remote sites. Save time with the ability to create custom mobile forms to eliminate manual paperwork, automatically push data to other systems, and prioritize work based on alarms.

Security is everything - We offer a variety of secure communication options

Your Emerson's Zedi SaaS data is stored within a Relational Database Management System (RDBMS) without an internet facing surface. Full data backups occur nightly, and storage amounts are not limited, nor quota driven with zero limitations on content or data fields with 'always-on' continuous security monitoring.

Accurate asset data that's easily accessible to your authorized users anytime, anywhere

Secure, scalable Zedi SaaS SCADA in combination with wireless transmitters and gauges compile your asset data via gateways that support a variety of protocols.

Emerson's tireless pursuit of innovation drives us to combine superior quality measurement and analytical data technologies to provide you and your authorized users with accurate insight across your organization needed to operate efficiently, safely, and ready for the future.

Microsoft invests over $1 billion annually in cybersecurity, including the Azure platform, and employs over 3500 dedicated cybersecurity professionals.*

- Wide variety of secure communication options with cellular and satellite providers
- Connections are encrypted and secured from the communication device back to the Zedi platform through dedicated APNs (Access Point Names) and VPNs (Virtual Private Networks)
- Full data backups occur nightly, and storage amounts are not limited, nor quota driven with zero limitations on content or data fields with 'always-on' continuous security monitoring

*https://download.microsoft.com/download/1/6/0/160216AA-8445-480B-B60F-5C8EC8067FCA/WindowsAzure-SecurityPrivacyCompliance.pdf

Security is everything

We understand the importance of data security for the sustainability of your business, and we don't take the trust you instill in us lightly. Your operational data is stored within a Relational Database Management System (RDBMS).

Web application communication is secured by TLS (Transport Layer Security). This delivers increased agility and improved awareness of network security threats by utilizing universal threat management layers. Device communications occur securely over VPNs (Virtual Private Networks) with our select communications partners, typically via IPSec (Internet Protocol Security.

Platform customer segregation is enforced within the data access layer of the software. The software is designed multi tenant from the ground up, and respects concepts such as individual tenants, tenant ownership of assets, data and authorized users. The API (Application Programming Interface) is web based, therefore is protected by our standard channel security system in place.

Securely realize your potential

Consistent Security Testing

Pentesting is cyberattack simulation that helps discover points of exploitation and test information technology security. Independent pentesting and control reviews are performed on a weekly basis.

Emerson IT personnel consistently perform internal pentesting at an ongoing, scheduled basis.

Authorized Only Access

Role based access is possible with your authorized approvals. Group set points can easily be created to represent roles, and granted to select users.

These groups are created, approved and maintained by you, the customer.

Levels of authorizations are granular, and split into two types:

- Functional Authorizations
  Features, tools and interfaces
- Asset Authorizations
  What you can see and change

Emergency Breach Event

Customers would be contacted and communicated with directly by Emerson in the event of any applicable security breach.

Rapidly realize your operations potential through advanced cloud analytics, machine learning, AI and mobility.

We simplify the connection between sensors to get you the data you need to make better business decisions. Emerson's Zedi SaaS SCADA provides both a web interface to end users, as well as the ability to push data to third party platforms giving you accurate operation data, remote control, cry-out alarms and the mobility you need to increase your production, profits and sustainability.

Unlock the most value from your operational data

Zedi SaaS for better performing assets, streamlined compliance, and optimized resources. Every aspect of our software suite is developed for ease of acquisition and management of your operational data, focused on delivering analytics and global mobility to meet regulatory compliance while increasing your safety, profits and sustainability.

Software developed to triumph over your challenges

Zedi Access™
Up-to-the-minute accurate data with from your site all in a single source to actively see the information you decide is relevant to each person or role within your organization.

- Data trending, default & reporting
- 3rd party access & data exchange
- Continuous polling & optimization
- Alarm Management with call-outs
- Manage permissions & work-flows

Zedi Go™ Mobile App
Enter, monitor and manage operational data anytime, anywhere with our mobile app. Available in Google Play as well as the App Store for all your mobile device needs.

- Input data & issue commands
- Prioritize work while in the field
- Eliminate field paperwork
- Push data to other systems or reports
- Immediately update systems

Zedi Vital™
Data capture to gather and analyze manually entered, imported or updated data from various locations for robust reporting based on role.

- Easily view, edit & share data
- Analyze & export based on role
- Custom report engine
- Custom sort & display
- Advanced reporting

Zedi Composition Management™
Cloud based sampling program with a secure, single vault for all of your lab analyses results, allowing you to streamline scheduling, approvals and notifications while keeping end devices updated with lab results.

- Coordinate & monitor sampling
- Export lab sampling schedule
- Consolidate fluid analyses
- Automated approval thresholds
- Auto-update devices with approval

Zedi Measurement Schematics™
Create measurement schematics for all facilities, manage all changes, track all revision history, and document reviews and approvals.

- Stay current on regulations
- Easy-to-use drag & drop drawing
- Link multiple schematics
- Always-on access to updated version
- Custom permission authorized users

Zedi Roughneck™
Streamline work for fixed assets, preventative maintenance & HSE. Control of equipment deployed, with documentation and records for compliance audits.

- Track moves & location
- Proactively schedule work orders
- Set reminder & escalations
- Manage inventory & licenses
- Track incidents, specs & manuals

Digitally transform your operations with increased visibility with a secure, scalable end-to-end IIoT cloud platform.

We've developed our cloud platform to gain actionable data analytics from anywhere. It was built for your operations and authorized users from around the world to gain accurate operational data with real time analytics for better business decisions.

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