2024

IOT SOLUTION FOR THE SPRINKLER INDUSTRY

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IOT SOLUTION FOR THE SPRINKLER INDUSTRY

ISMA Services, founded in 2023, is a pioneer in software development, IoT devices, and data analytics within the sprinkler industry. ISMA Services, synonymous with 'IoT Smart Monitoring Analytics', is firmly committed to delivering industry-leading solutions in smart monitoring and data analytics. Our commitment is to make advanced IoT technology accessible and user-friendly for a wide range of industries.

Our approach provides a more detailed and insightful overview of facility operations. At ISMA Services, we specialize in offering cutting-edge Software-as-a-Service (SaaS) solutions that transform the way businesses monitor and maintain their critical systems such as ventilation, cooling systems, and sprinkler systems. Our goal is to make advanced technology accessible and user-friendly for all our customers.

With ISMA's IoT solution, you are guaranteed a range of advanced features, including automatic pressure and temperature monitoring, pump operation, and much more. These features set our solution ahead of competitors, offering a more intelligent and efficient way to monitor your facilities and receive alerts before alarms occur

OUR SOLUTION FOR THE SPRINKLER INDUSTRY

In the sprinkler industry, we have developed an advanced End-to-End IoT solution that integrates the latest in app technology with high-performance IoT devices. This solution is designed to deliver real-time data directly to your screen, providing in-depth insights and enhanced monitoring of your systems.

By combining these technologies, we can ensure quick identification and response to potential issues, dramatically reducing the risk of major failures and breakdowns. This is not just a technological innovation; it's a revolutionary approach that transforms the way we think about and interact with our critical infrastructures.

Through intelligent data analysis and proactive maintenance, we are able to offer superior service, ensuring maximum performance and reliability for our customers' systems. By embracing this comprehensive IoT solution, we position ourselves at the forefront of industrial innovation and set new standards for safety and efficiency in the sprinkler industry.

PRODUCT FEATURES: Online monitoring of facilities:

- Early warning' of faults and impending faults on the system based on measurements from 0-64 sensors.
- 'Pre-Early warning', providing alerts before a fault occurs on the system, based on decreases in pressure measurements from the sensors.
- Alarms based on threshold values.
- Localization of breaks and impending breaks on existing pumps, sprinklers, etc.
- Automatic PDF reports and the ability to download historical data for comparison/development over time.

BENEFITS FOR FACILITY OWNERS

Total economy and cost savings:
By investing in our IoT solution, the customer can achieve significant cost savings in the long term. Although there is an initial investment of 1500 kr. for each IoT box and 1000 kr. for each sensor, these costs are often offset by savings on service agreements and operating expenses over time. With our annual subscription price of 6000 kr., the customer can achieve significant savings compared to traditional service agreements and maintenance costs.

Reduced risk of breakdowns and operational halts:
By implementing our solution, the customer can reduce the risk of breakdowns and operational halts, which can have significant consequences for their business or property. By detecting potential issues in real-time and engaging in proactive fault prevention, our solution can minimize the risk of unexpected interruptions and the associated costs.

Improved security and compliance:
Our IoT solution ensures that the sprinkler system operates optimally and complies with applicable safety standards and regulations. This can help improve security and reduce the risk of accidents and property damage. Additionally, our solution can facilitate compliance reporting to authorities and insurance companies, saving the customer time and resources.

Scalability and flexibility:
Our solution is scalable and can be tailored to the customer's specific needs and budget. The customer can start by implementing our solution in individual buildings or areas and then gradually expand its use to other parts of their property or business as needed. This provides the customer with flexibility and the opportunity to customize the solution to their individual requirements and resources.

To sum up:
Overall, our solution provides an attractive total economy with significant cost savings, reduced risk of breakdowns and operational halts, improved security and compliance, as well as scalability and flexibility. This makes it a valuable investment for customers looking to optimize the safety and efficiency of their sprinkler systems in a cost-effective manner.

POTENTIAL COST SAVINGS

Service agreements: By investing in our IoT solution, the customer can reduce or completely avoid traditional service agreements, which can typically be expensive and vary based on the number of inspections and service calls. For example, the customer can typically save up to 20-30% on annual service agreements by switching to our solution.

Operating expenses: Our solution can help reduce operating expenses by minimizing the need for manual inspection and maintenance. For example, the customer can achieve savings of up to 15-25% on annual operating expenses, equivalent to thousands of kroner, depending on the size and complexity of their sprinkler system.

Reduced risk of damage and loss: By investing in our solution, the customer can reduce the risk of water damage and loss resulting from fires or faults in the sprinkler system. For example, a single water damage incident caused by a defective sprinkler system can cost the customer tens of thousands of kroner in repairs and lost income.
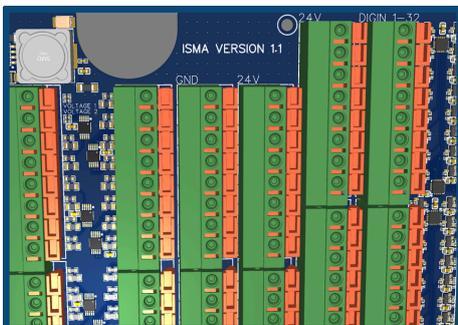

Compliance and insurance premiums: By maintaining a well-functioning and compliant sprinkler system with our solution, the customer may potentially achieve lower insurance premiums and avoid fines and sanctions from authorities. For example, the customer can save up to 10-15% on insurance premiums, false alarm calls, and avoid fines and sanctions for non-compliance with safety standards.
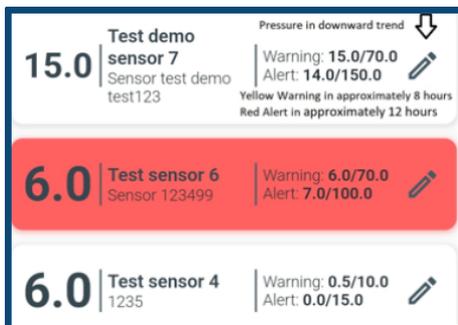
ISMA SERVICES PRODUCT PACKAGE

Our sensor package includes premium devices such as GEMS pressure transmitters and Danfoss MBS 1350. At ISMA Services, we are committed to using only sensors that are type-approved and manufactured by industry-leading suppliers, ensuring reliability and precision in all measurements.

ISMA Services' IoT box is the result of our dedicated in-house development, ensuring a tailored, efficient solution. We exclusively use type-approved components to guarantee the highest standards of quality and safety.

Our ISMA Services App is a proprietary solution developed in-house, giving us full control over its evolution and functionality. This means that we can constantly tailor and improve the app, with exciting new features planned for continuous release, all to meet your evolving needs.

Our cloud and backend solutions are also entirely developed in-house, giving us autonomy to enhance and update our systems. This ensures that we are always at the forefront of the latest technological trends and can offer a reliable, secure, and scalable service

Read more about our product specifications and product features here:

ABOUT ISMA SERVICES

ISMA Services (IoT Smart Monitoring Analytic Services) was founded as a limited company in 2023.

We have been working on the development of our concept since 2022, and during this time, we have created an IoT box, developed the server logic, and a user-friendly app. Our solution has undergone careful testing both at active facilities and ongoing testing throughout the development process.

Our core competencies include project management, test management, product development in software, hardware, and embedded development, as well as service and installation of sprinkler systems, and design of sprinkler systems.

Martin Poulsen
CEO

Master in Economics with 25 years of experience:
- 14 years of experience in consulting.
- 8 years of successful entrepreneurship.
- Experience with global clients such as NasdaqOMX, Danske Bank, Nordea, BEC, SDC, Grundfos, etc.

Miklas Poulsen
CTO

Mechanical engineer with 8 years of experience:
- 5 years of successful entrepreneurship.
- Experience from employment at ISS and Lantmännen Schulstad A/S

LET'S MAKE IT
ONLINE

For more information, a demonstration, or to discuss your specific needs, please contact ISMA Services at:
info@isma.services

www.isma.services