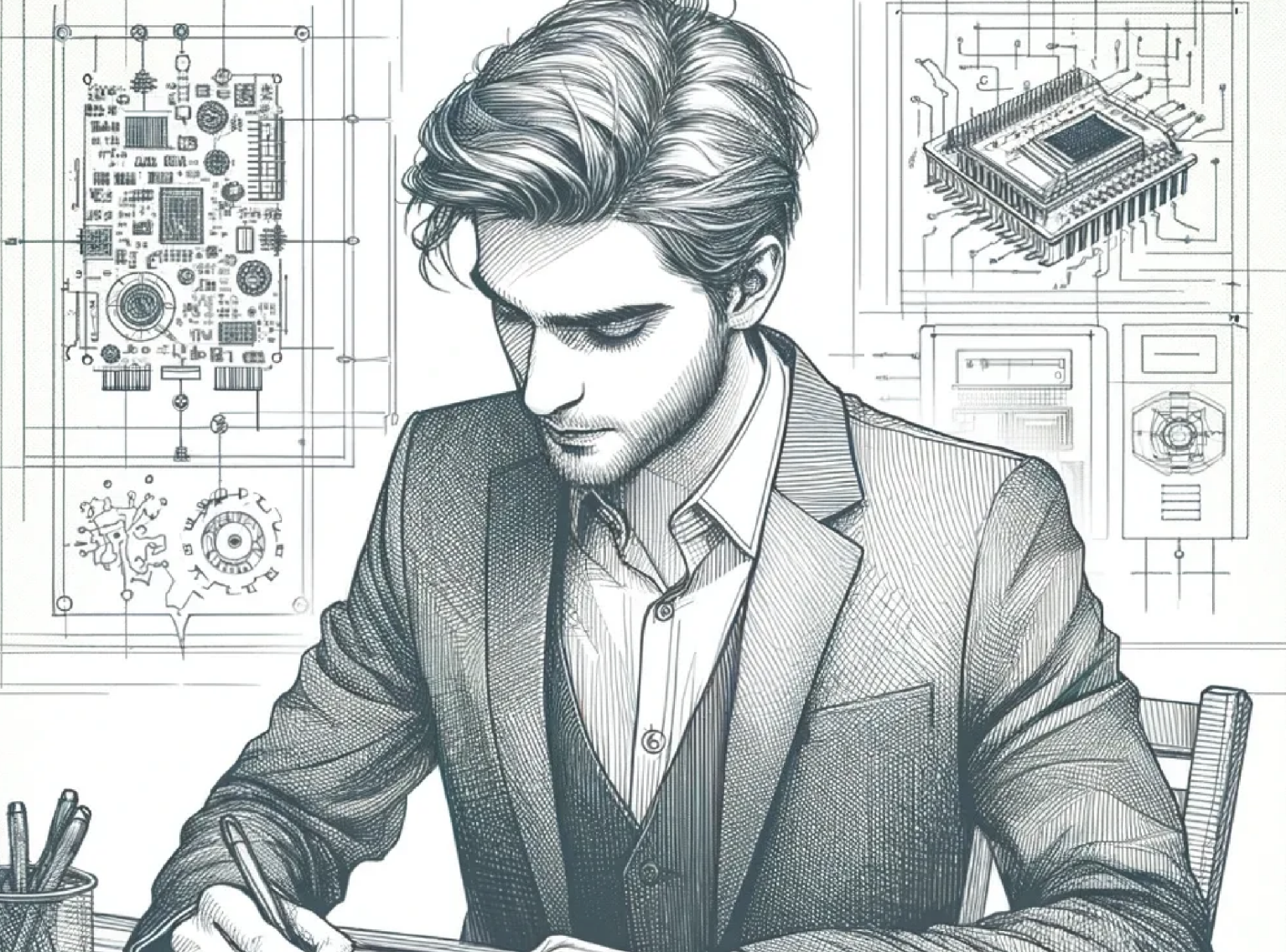Oxit

From Iron to IoT

The Advantage of IoT in Intelligent Building and Resource Management when Partnering with Oxit
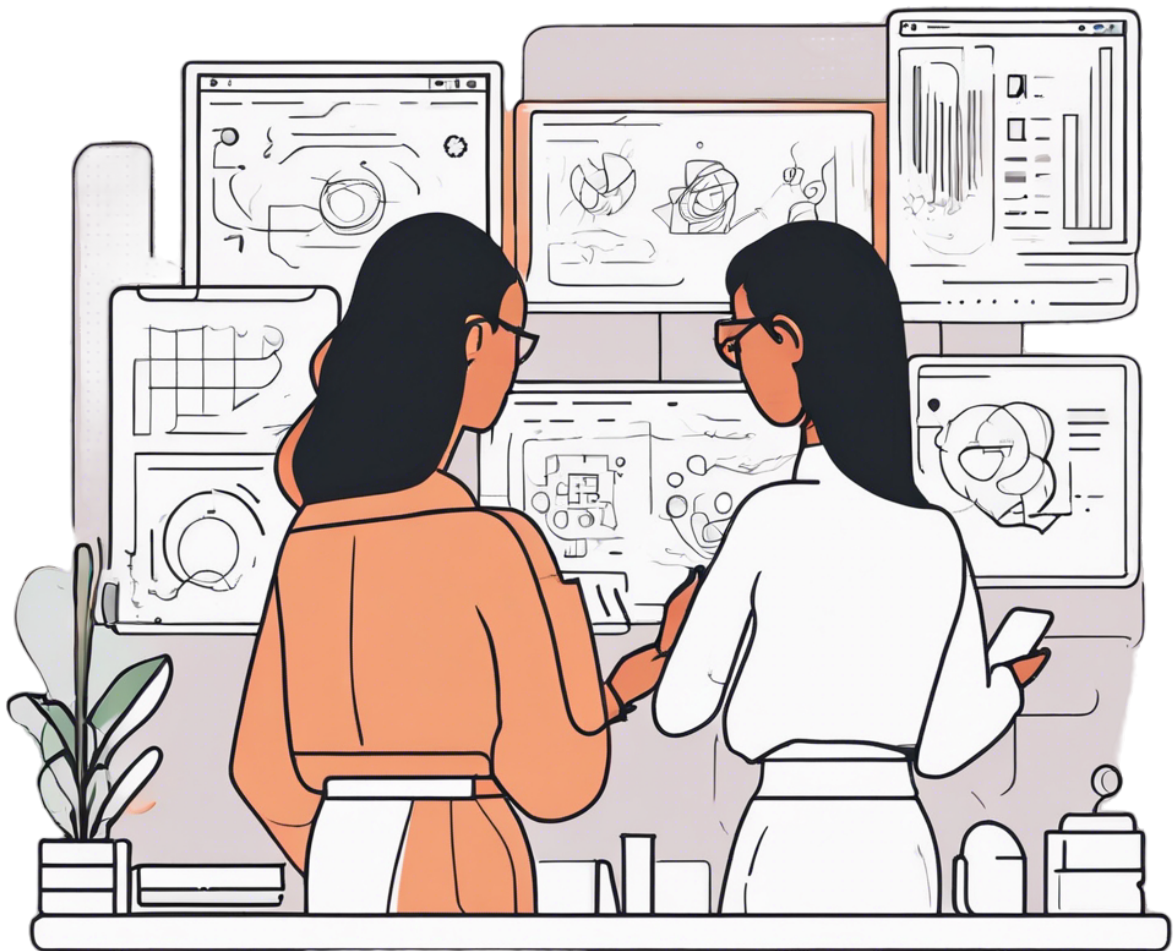
Introduction

Symmons Industries, a distinguished leader in high-end kitchen faucets and plumbing hardware, embarked on a transformative journey to meld traditional craftsmanship with cutting-edge Internet of Things (IoT) technology.

This initiative, aptly named "**From Iron to IoT**," marked a strategic pivot towards leveraging IoT solutions for advanced water management, establishing Symmons as a frontrunner in intelligent building technologies while continuing to uphold their reputation for quality and innovation.

Challenges & Limitations

As Symmons ventured into the realm of IoT, they faced several substantial hurdles. Their initial endeavor, the *WaterThatWorks* system, grappled with technical limitations including poor battery life, scalability challenges, and insufficient range.

Lacking specialized IoT expertise, Symmons found it difficult to evolve their proof of concept into a viable commercial product. These challenges not only threatened their transition into IoT-enhanced plumbing solutions but also risked their competitive edge in the evolving market.

Desired Outcomes & Goals

With clear objectives set for their IoT integration, Symmons aimed for operational excellence and sustained market leadership through innovative solutions.

Their short-term goal was to deploy a reliable sensor and gateway system for managing hotel water systems, using data to boost operational efficiency and enhance guest experiences.

In the long run, Symmons aspired to broaden their IoT services into new markets, thus perpetuating their tradition of innovation and maintaining a competitive advantage. The overarching aim was to deliver dependable IoT solutions that ensure guest satisfaction with efficient water system management, reinforcing Symmons' stature as a pioneer in smart building technologies.
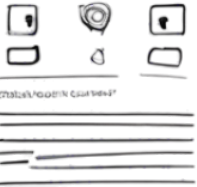
Oxit's Solution

In close collaboration with Symmons, Oxit tackled these challenges head-on by crafting a tailored IoT solution. Oxit recommended a robust solution combining LoRaWAN for reliable connectivity and AWS for secure, scalable data management. The custom-built LoRa sensors, gateway applications, and integration with AWS Cloud were designed to ensure flexible, secure connectivity and data management, essential for wide-scale deployment across diverse geographical and network conditions.
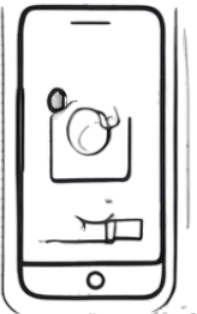
Reliable Connectivity

Overcoming previous limitations, Oxit's solution ensured dependable connectivity across extensive commercial properties, crucial for seamless data transmission & effective system management.
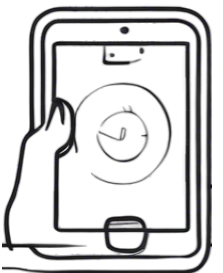
Scalable Architecture

Designed for growth, the scalable architecture allowed Symmons to venture into new markets and adapt to customer needs dynamically, thereby preserving their market-leading position.

Cost Reduction

By optimizing operational efficiencies through smart data handling and management via AWS Cloud and LoRaWAN technologies, Symmons achieved significant cost savings while maintaining high service quality.

Market Leadership

The partnership with Oxit propelled Symmons to the forefront of the smart building technologies market, enriching their portfolio with innovative IoT solutions that cater to sophisticated water management needs.

Customer Satisfaction

Customer Satisfaction: Enhanced data utilization facilitated operational improvements, delivering real-time water usage insights and prompt alert capabilities, which in turn bolstered customer satisfaction through proactive service and management.

Conclusion

Oxit's comprehensive IoT solutions effectively addressed the initial challenges faced by Symmons, enabling them to realize their strategic objectives and affirm their leadership in smart building technologies. Through this collaboration, Symmons not only transitioned from traditional plumbing solutions to advanced IoT applications but also enhanced their competitive edge in a rapidly evolving industry landscape

oxit

marketing@oxit.com
www.oxit.com