

Product Transformation of a Large-scale OEM Company

The background of the lower half of the page is a close-up, blue-tinted image of a printed circuit board (PCB). It shows intricate traces and several circular components, possibly solder joints or vias, which are slightly out of focus, creating a sense of depth and technological complexity.

CASE STUDY

A US-based large-scale OEM (original equipment manufacturer) envisioned transforming its product/service capability by leveraging IoT solutions. The company aimed to improve its service and invigorate innovation by connecting its products to the cloud, enabling it to collect real-time data and monitor its performance.

To achieve its bold vision, the organization was looking for an experienced vendor with deep domain expertise and experience working in the region, with a strong focus on building long-term relationships.

Altiux was selected as the OEM's partner due to its understanding of its vision and ability to meet its requirements.

CHALLENGE

With decades of experience making high-quality and robust products, the manufacturer faced challenges in identifying the best and most secure solution. A reliable solution for hassle-free connectivity with their product was of the utmost importance.

SOLUTION

Altiux took a consultative approach to the project, carefully understanding the customer's requirements, timeline, and budget.

The team commenced the project by conducting holistic research to understand the business's needs and how well the product matches their expectations.

Altiux performed a deep analysis of the OEM's software, hardware, and operating systems to determine optimal solutions. In this case, it was essential to create durable hardware that facilitates upgrades.

By building a connectivity solution that offers a secure connection to the OEM's product and real-time data transmission to a cloud application, Altiux was able to provide a seamless experience. A vital feature of this solution was its advanced wireless connectivity. To enhance the user experience, it was also possible to configure it with a GUI. Furthermore, the solution was also designed to enable upgrades with over-the-air firmware updates.

The final offering provides data collection of the product utilizing:

- Connectivity gateway
- Wireless communication with the cloud
- Integration with a cloud IoT platform

CONCLUSION

Partnering with Altiux helped the OEM achieve its desired connected product objective. The deep domain expertise of Altiux helped the OEM get flexible and modular solutions that support advanced management capabilities. The project was completed successfully, with full adherence to timelines, budgets, and risk factors.

WE HELP ACCELERATE YOUR IOT!



Altiux Innovations is a software & product engineering services organization focused on helping you accelerate development of your IoT solutions and products. We provide specialized engineering services across the entire IoT development cycle from consulting, device engineering, cloud and mobility application development, data analytics, and support & maintenance.

Altiux has developed an IoT Toolkit - BoxPwr™. BoxPwr is a production ready suite of software frameworks for sensor nodes & actuators, communication gateways, Edge computing & Cloud connectivity that helps accelerate IoT product & solution development.

At Altiux, we offer multiple models for commercial engagement that can be tailored to meet your specific needs.

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