

CASE STUDY



NESTLÉ LEVERAGES AWS FOR MICROCLIMATE SUPPLY CHAIN MANAGEMENT

Client Background

Nestlé is the largest transnational food and beverages supplier in the world, with a presence in over 190 countries across the globe and employing about 340,000 people. The company is operating more than 200 subsidiaries and affiliates that manufacture and sell a wide variety of products including coffee, mineral water, refrigerated and dairy products, pet foods, pharmaceutical products, and cosmetics.

Nestlé continuously focuses on understanding the changing lifestyles of people across the world. This helps them to foresee needs in its product offerings and to provide high-quality, safe food and drinks at affordable prices.

Business Challenge

To keep its leading position, Nestlé not only innovates new products and renovates existing ones but also keeps the entire supporting infrastructure up to date. The company set out to develop a project for measuring temperature and humidity, and controlling microclimate through all Supply Chain - in their own warehouses, in business-partners warehouses and industrial premises through different remote notifications.

Project Description

During the project development process, software engineers from SoftServe Smart Solutions, actively used cloud-based Amazon Web Services (AWS). In the solution developed by SoftServe, engineers created a computing cluster built on the Amazon Elastic Compute Cloud (EC2) that implemented the business logic of AWS. Utilization of Amazon Relational Database Service (RDS) and Redshift frameworks provided the required level of availability and reliability of data storages to software engineers.

The unique combination of smart hardware and software solutions as well as the leveraging of IoT and big data technologies made it possible to develop an exceptional climate control system. It is comprised of customized dashboards, embedded service reports tools, and features three levels of notifications.

Value Delivered

Cooperative efforts from the developers at both Nestlé and SoftServe Smart Solutions allowed the creation of the state-of-the-art solution, which helped the client to:

- Detect and address system breakdowns;
- Remotely monitor and control microclimate within company's partner's warehouses; and
- Store and manage data obtained from numerous company's points of control

The new climate management system helped Nestlé improve productivity, optimize business processes and significantly reduce risks of products deterioration.

“SoftServe Smart Solutions showed themselves to be very customer-oriented, flexible, and a proactive partner helping us to find the best match for our needs,” says Akse Eroglu, Head of Supply Chain, Nestle Ukraine & Moldova. “It was undoubtedly a big advantage that they have both software and hardware development units, allowing for quick reaction and adaptation. As a result, SoftServe Smart Solutions delivered an optimal and cost-effective solution for us, within very challenging timelines... I warmly recommend SoftServe Smart Solutions as a professional and reliable partner, with whom I look forward to continuing our cooperation in the future.”

ABOUT US

SoftServe is a global digital authority and consulting company, operating at the cutting edge of technology. We reveal, transform, accelerate, and optimise the way large enterprises and software companies do business. With expertise across healthcare, retail, media, financial services, software, and more, we implement end-to-end solutions to deliver the innovation, quality, and speed that our clients' users expect.

SoftServe delivers open innovation – from generating compelling new ideas, to developing and implementing transformational products and services. Our work and client experience is built on a foundation of empathetic, human-focused experience design that ensures continuity from concept to release.

Ultimately, we empower businesses to re-identify their differentiation, accelerate market position, and vigorously compete in today's digital, global economy.

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