



CUSTOMER CASE STUDY

Nita future-proofs its latest labeling machines to deliver greater productivity by empowering operators with improved cloud-based insights

Success driven by state-of-the-art SCADA solution and flexible OEM model from AVEVA

Nita Labeling Equipment - www.nitalabelingequipment.com

Industry - Manufacturing

Goals

- A future-proof, integrated supervisory control and data acquisition (SCADA) solution for Nita's new labeling machine, with advanced features including:
 - A user-friendly interface enabling customers to operate the machine without the need for specialist skills
 - Delivery of real-time overall equipment effectiveness (OEE) data to help customers minimize downtime and maximize productivity
 - Remote maintenance capabilities
 - Cloud-based access to unified data
 - The ability to display 3D design drawings and play video tutorials for training purposes
- A flexible approach: to build one application template that can be easily configured for different customers irrespective of machine size, to facilitate deployment at scale.

Challenges

- The need to improve on the previous solution to create a next-generation labeling machine

Results

- Additional functionality empowers customers' machine operators leading to time savings, reduced downtime and productivity improvements
- Increased customer satisfaction
- Cloud-enabled collaboration means workers can connect and collaborate seamlessly

AVEVA Solution: AVEVA™ Edge

In partnership with Solumatation and CIMSoft Corporation - Wonderware Canada East, Nita, one of the fastest growing labeling machine manufacturing companies in North America, created a cohesive and seamlessly integrated hardware and software experience with real-time data using AVEVA Edge. This has enabled its customers to make rapid and smart decisions to drive time savings, increased productivity and reduced downtime.

Nita Labeling Equipment was established in 2002 and specializes in engineering and building innovative automatic pressure-sensitive labeling machines that have been deployed across the globe. Investing heavily in R&D, Nita has built a reputation for producing robust and easy-to-operate machinery, and for an unwavering commitment to customer service excellence.

A visionary new labeling machine

On its journey to develop a new state-of-the-art machine, the Nita 4.0 Sentient Labeling System, Nita sought technology to provide the best experience possible for its customers. The team wanted the new machine to embrace the elements of Industry 4.0 with an integrated supervisory control and data acquisition (SCADA) solution with cloud IoT connectivity – so that operators could benefit from a user-friendly interface and more easily understand how to operate the machines. The objective was to provide real-time overall equipment effectiveness (OEE) data such as uptime, downtime as well as container and label usage stats that enabled tracking, analysis, and facilitated efficient production line changes.

The team wanted to seamlessly connect and integrate its labeling machines using software that could be easily configured for each customer. This would enable operators to gather and analyze real-time data, using an intuitive human machine interface (HMI) via a touchscreen for easy machine operation, and enable customers to minimize downtime and maximize productivity.



Working with AVEVA and its distributor, CIMSoft Corp, Nita selected AVEVA Edge. “We chose AVEVA for their highly skilled engineers with excellent technical knowledge and experience. They use the latest in software standards, tools, platforms, frameworks and technologies. AVEVA was quickly able to understand our business needs for the present and future.”

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Luc Harvey,
Chief engineer and Nita owner

Cloud-based resilience supported by strong product roadmap

The AVEVA solution has a very strong product roadmap that is updated frequently. This provided Nita with assurance that the software would stay aligned with enhancements to their machines. As an original equipment manufacturer (OEM), Nita recognized the importance of a standardized approach. AVEVA Edge enables rapid development of template HMI applications, allowing Nita to develop applications that can be easily configured for different customers regardless of machine size and rolled out quickly. This is key to Nita’s growth strategy. AVEVA’s licensing model offered the team additional benefits, as each machine could be licensed separately.

Strong teamwork with Solumatation and CIMSoft Corporation

Certified system integrator Solumatation helped to bring Nita’s vision to life, and labeling machines with AVEVA technology were being produced and sold within three months.

“CIMSoft Corp worked in close partnership with us to truly understand our business and ensure our long-term goals were met. Along with AVEVA and Solumatation, they provided invaluable support and technical expertise during the project and beyond,” commented Harvey. “The success of this project was underpinned by first class teamwork from all parties.”



AVEVA Edge controls the labeling machines from startup and provides all the functions needed for teams to collaborate seamlessly, such as product recipe selection from the visual displays, setting point adjustments, video libraries, part order requests and presenting real-time OEE calculations. In addition, the software enables Nita to provide remote maintenance capabilities to its customers, which fits perfectly with the team's machine-as-a-service strategy to provide customers with the best equipment coupled with the best possible service.

Customers experience time savings, reduced downtime and boosted productivity

Nita's AVEVA Edge interface delivers significant benefits to its customers. The extensive functionality offered by the AVEVA solution saves them time and provides the information needed to minimize machine downtime and maximize productivity.

“Feedback from customers who have used our Sentient 4.0 machine indicates that one of the most immediate benefits experienced is a much more relaxed and empowered operator which has led to more productivity across the board,” noted Harvey. “As a result, we have more satisfied customers, which is naturally good for our business in terms of meeting our strategic growth and revenue objectives.”

The solution's intuitive interface also ensures that Nita's customers do not need to recruit specialist technical staff to operate the machines.

The solution is helping to up-skill Nita's customers' existing teams and ease workforce transition by providing easily accessible interfaces that users can understand immediately.

Summing up, Harvey adds, “Nita is leading the way with some of the most intuitive and easiest to operate labeling machines – made possible using the AVEVA Edge technology. The powerful AVEVA solution allowed us to infuse all of our exclusive features like live OEE reporting, video tutorials, 3D product changeover guides, as well as in-screen parts ordering and detailed project management schedules that help us make our clients as productive and efficient as they can be.”

To learn more, please contact your AVEVA representative or visit us online at [aveva.com](https://www.aveva.com)