



A Nutech Systems Case Study

Everything at the Shelf: Cla-Val Opens the Flow to Real-Time Scanning & Streamlined Warehouse Operations

Nutech Systems

Company Snapshot - Cla-Val at a Snap

Cla-Val is an American designer and manufacturer of automatic control valves based in Costa Mesa, California.

Cla-Val has been operating with Infor SyteLine for 10+ years and uses it to assist with their advanced part numbers, track and traceability, and other basic shop floor activities.

Although Cla-Val was pleased with SyteLine, they continued to face challenges due to the lack of real-time data and frequent connectivity issues with their existing barcode data collection solution. They needed a solution that could eliminate these problems—one that would deliver up-to-date information and ensure seamless integration between their warehouse operations and Infor SyteLine.

After an unexpectedly brief and beneficial discovery, Cla-Val turned to Viewpoint for SyteLine.

Introduction to Cla-Val

Cla-Val's origins date back to 1936, when it was founded by Donald G. Griswold as just a small shop with five employees in South Pasadena, California. As operations grew, Cla-Val moved to its current location in 1954, a twenty-acre property in Costa Mesa, California.

From the industry's first hydraulic actuated globe valve in the late 1930s to some of their latest advancements in electronic and hydraulic control systems, Cla-Val remains a pioneer in control valve design and manufacturing. As the years have passed, Cla-Val has also extended its reach into other market segments.



Today, Cla-Val operates on five foundational pillars: Waterworks, Fire Protection, Fueling, Marine, and Foundries. While Waterworks continues to account for more than half of the company's business, each sector plays an integral role in shaping Cla-Val's identity and capabilities.

Primary Pain Points

Cla-Val knew they needed to modernize. As the company continued growing as an industry leader, they were still relying on hand-written paperwork and manual data entry—a system that simply couldn't keep up.

One of the biggest challenges was their complex part numbers. These were long, hard to type accurately, and constantly slowed down warehouse operations. Errors were common, and the resulting troubleshooting impacted day-to-day operations.

To solve these issues, Cla-Val implemented a third-party barcode data collection solution, but the software quickly proved to be a poor fit. It lacked flexibility, offered limited configuration options, and required expensive customizations just to handle routine changes.

The problems didn't stop there. The hardware they were using, especially the scanners, had recurring connectivity issues. Without a stable connection, workers were unable to enter data into SyteLine from the shop floor.

That forced them to walk back and forth to stationary PCs at workstations just to complete basic transactions. It became a daily frustration and a major source of wasted time.

“A lot of the earliest tools and equipment were not as good as what we have today,” said David Koeblitz, Cla-Val’s CFO. “We would have team members performing picks, but because of system limitations, they had to load items onto a cart and walk to a PC to finish the transaction.”



Cla-Val recognized they were being held back but didn’t think an alternative solution was attainable.

“We were just stuck,” said Leslie Lushbaugh, Cla-Val’s Project Manager. Cla-Val needed a better solution—and they didn’t have time to waste.

Discovering Nutech Systems & Viewpoint

Cla-Val recognized the need for a more effective barcode data collection solution. Discovering Nutech Systems and Viewpoint in particular, however, turned out to be an unexpected stroke of fortune for Cla-Val.

While attending the annual SyteLine User Network (SUN) conference in Dallas, TX, in 2018, Leslie was introduced to Nutech Systems after approaching the Nutech booth.

“I don’t know if we were really actively looking for alternatives,” said Leslie. “We thought we were stuck with our existing solution. Then we met the Nutech Team and found out there was this whole, new, real-time thing—and the rest was history!”

Leslie was immediately intrigued by the Viewpoint product and impressed by how the Nutech Team connected with her while highlighting its game-changing benefits.

Viewpoint for SyteLine is an out-of-the-box barcode data collection solution, from Nutech Systems, that seamlessly connects the factory and warehouse to Infor SyteLine.

“I’m always keeping an eye out for new and better options, and after just one conversation at the booth, I knew Viewpoint was going to be the right fit for us,” said Leslie. “I got really excited about the product, the technology, the scanners, and the fact that the members of the Nutech Team were so reachable.”

After the SUN conference wrapped up, Leslie quickly shared her discovery with the rest of Cla-Val’s management team. While they were facing significant challenges with their existing solution, there was still some hesitation about migrating to another solution.

“Manufacturing did not necessarily want it in the earliest days,” David told us. “They thought they were comfortable with what they had. It took time for them to be accepting of the transition, but now they couldn’t work without Viewpoint.”

It quickly became clear to Cla-Val that Viewpoint was the data collection solution they had been missing all along. Not only did Viewpoint offer the capabilities to push their data collection forward, but it also provided unique features they couldn’t find elsewhere—all delivered through a seamless implementation process and a knowledgeable team.

“Nutech had a lot of appeal because we could actually talk with the people who were going to be doing the work,” said Leslie. “Also, the real-time information was enticing—you see results immediately on the scanner without having to wait for it to update back through SyteLine.”

Backed by over 30 years of experience, Nutech’s team delivered the expertise and reliability Cla-Val needed to make a confident and successful transition.

Everything—Right There at the Shelf

After the introduction at the SUN conference, it didn’t take long for Cla-Val to get the wheels in motion towards implementing Viewpoint.

An initial meeting helped map out their existing process, followed by a few reference checks, a live demo, and a site visit from a Nutech expert. But it was the Proof of Concept (POC) that truly accelerated the decision-making.

The Proof of Concept (POC) is, at its core, a software trial, but it goes further by empowering end users to test-drive the Viewpoint solution using their own data, workflows, and operational environment.

“The POC was extremely valuable,” said Leslie. “It really helped us sell the concept to the rest of the company, and it was a low-cost, quick way to implement as well.”

The impact of Viewpoint was clear from day one. Cla-Val saw immediate, measurable improvements across their warehouse operations. Connection issues are no longer a problem, and inefficient trips to workstations have been eliminated.

“All the transactions are done right there at the shelf now,” said David. “It’s real-time,” added Leslie. “They get the information where and when they need it.”

Even label printing has been streamlined. With Viewpoint’s Item Print functionality and mobile printers, labels are printed instantly—right at the shelf. It’s a major leap forward from the old method of walking back to a desk to print labels.

Cla-Val’s shop employees now have access to a wide range of functional transactions that weren’t available with their previous system. With Viewpoint’s user-friendly interface at their fingertips, they can now scan items effortlessly—anytime, anywhere.

“It actually worked,” Leslie said with a laugh, referring to Viewpoint.



For us at Nutech Systems, barcode data collection is all we do, so it’s got to work!

Results & Early Benefits

Since going live with Viewpoint, Cla-Val has seen measurable improvements in speed, accuracy, and daily efficiency—benefits that were felt immediately.

“Kitting would have been our earliest transaction, and that’s where we would have seen the biggest bang for our buck,” said David. Kitting involves bundling multiple individual inventory items into a single unit for shipping.

Now, transactions occur in real time, at the shelf, and with the added benefit of kitting, the entire pick-pack-ship process is moving faster than ever before.

Job Issues, Inventory Moves, and the Purchase Order Receipt were the next major transactions to roll out. After each implementation, Cla-Val saw nothing but positive results as they finally began to maximize SyteLine's capabilities.

"The major improvements were the fact that any clerk can be anywhere and know exactly where to go, what they need to do, and what the quantity should be," David explained.

Physical inventories were also incredibly time-consuming, requiring weekend work and leading to significant costs. "Physical inventories are no longer needed, which saves us a ton of time and money," added Leslie.

With the right tools in place and the team quickly adapting, Cla-Val was ready to tackle even more complex challenges.

Smart Measurements & Smarter Workflow

Another area where Viewpoint has delivered major benefits is in Cla-Val's ability to accurately track and measure key product details.

xDIM, provided by MobileDemand, is a modern dimensioning system that quickly and accurately captures dimensions of boxes, small items, and pallets anywhere.

This mobile solution provides the ability to capture all necessary data including dimensions, weights, and pictures at the product location. No more bringing items to-and-from a stationary dimensioner.

The xDIM software is instantaneous and highly accurate. Combined with Viewpoint, it delivers comprehensive reports complete with photographs of each item prepared for shipment. That level of accuracy is crucial to avoid costly penalties and chargebacks from couriers and carriers.

The Nutech Team assisted Cla-Val with an integration to bring this data into their SyteLine ERP system.

This information now flows seamlessly from the device directly into Cla-Val's SyteLine ERP system, where it's also immediately accessible to their shipping team.

Before implementing Viewpoint and xDIM, Cla-Val relied on manual measurement processes using measuring tapes and extensive paperwork. "With the measurement and paperwork, the anomalies that you have there are going to be mismeasurement, misinformation, and lost paperwork," said George Rojas, Cla-Val's Shipping Manager. "Automating the system for our process enables accuracy, efficiency, and it moves the product out smoother and quicker from the company out to the customer."

Chargebacks are no longer a concern for Cla-Val. Now, if a courier disputes a shipment, the team can provide precise dimensional data and accompanying photos to verify exactly what was shipped—resolving issues quickly and confidently.



“They’re not bothering to recharge us in a lot of cases now,” said David. “Now, we know it’s accurate.” This shift has been a game-changer, helping Cla-Val save money and streamline operations. “That was the big win in this,” added George.

Action Meets Transaction Instantly

Now, with Viewpoint fully integrated across the facility, employees find that the scanning transactions are now instantly accessible, right at their fingertips, whenever needed.

The key benefit is that the transaction now occurs exactly at the moment and location of the action, with real-time data captured instantly.

“That’s the idea,” Leslie confirmed. “The goal is to have the transaction happen where the action takes place, rather than after the fact—because when errors or surprises surface later, you’re seldom going to know what really happened.”

The real-time connection has transformed how Cla-Val works, allowing transactions to flow naturally as part of the process. With fewer delays and no guesswork, operations are running smoother than ever.

“The more we develop for the workers on the shop floor, the more they’ll use it,” said Leslie. “The opportunity is now.”

Cla-Val Moving Forward

Cla-Val has experienced significant growth since implementing Viewpoint in 2019.

By adopting Viewpoint, Cla-Val has drastically improved inventory accuracy and eliminated the need for the constant, time-consuming trips to workstations to complete transactions in SyteLine. With real-time information now accessible across the entire warehouse, the team benefits from complete traceability and increased warehouse visibility.

Cla-Val has found great success with Viewpoint and still has aspirations for further growth. They know there are more transactions they can take advantage of to enhance efficiency even more.

Looking ahead, Cla-Val plans to expand Viewpoint into three key areas: Foundry, Receiving, and Shipping. They see Receiving as the next major opportunity for improvement as it currently relies heavily on paperwork and often results in misplaced inventory.

“Our employees in Receiving are folding up little pieces of paper and then making slits in the boxes to put the paper in,” Leslie explained. “Then the paper falls out, inventory can’t be found readily, and moving forward, we want them to put a detailed label on every box.”

“We want to expand with additional Viewpoint transactions, and with Viewpoint, all of the transactions are included,” said Leslie. “Our shop floor employees continue to come up with new ideas—we’re really just scratching the surface.”

With a successful partnership between Cla-Val and Nutech Systems already formed, Cla-Val is eager to build on the momentum. Using Viewpoint, they know that they are well-equipped for whatever lies ahead.



Nutech Systems

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