

SABLE SYSTEMS CATALYZES DISCOVERY THROUGH OPERATIONAL EXCELLENCE

ABOUT SABLE SYSTEMS INTERNATIONAL. **Pioneers of Precision-Advancing the Frontier of Metabolic Research**

Sable Systems International empowers scientists to explore the complexities of animal and human metabolism with unmatched precision. The North Las Vegas company is renowned for designing and manufacturing state-of-the-art systems for metabolic and behavioral measurement and gas analysis. Sable is the trusted partner for Life Science Researchers worldwide, supporting studies ranging from fruit fly management for crop preservation and marine mammal research to full-scale human preclinical trials investigating therapies for diabetes and obesity.

At the heart of Sable's mission is a singular purpose: to catalyze discovery and understanding. The company's steadfast commitment to quality ensures that scientists are confident they have acquired the most accurate data possible, relevant to the public good.

THE CHALLENGE. **Seeking Simplicity in Scientific Complexity**

Driven by the pursuit of precision, Sable Systems creates highly customized solutions tailored to the unique needs of boundary-pushing Metabolic Researchers. Yet with such a broad and intricate product offering comes a manufacturing process that must be equally responsive and precise. Sable recognized a challenge: how to elevate their operational infrastructure to match the exceptional quality of their products. The company aimed to embed a culture of excellence throughout its facility, transforming both the environment and the mindset of every Team Member by instilling one of its Core Values, "Transcend the Imperfect," across the organization.

MEP CENTER'S ROLE. **Green Belt Training Sparks a Company-Wide Transformation**

To meet the challenge, Sable partnered with Manufacture Nevada, a trusted partner for over 20 years, to achieve sustainable success. Recognizing that lasting change begins within, Sable invested in internal capability-building by selecting Lean Six Sigma Green Belt

training as the cornerstone of its improvement journey.

Manufacture Nevada played a pivotal role in delivering training to six Sable leaders. These leaders participated in an intensive five-day program designed not only to teach theory but also to equip them with the practical tools and confidence needed to lead transformational change.

Soon after, these newly minted Green Belts launched a series of nine company-wide Kaizen 5S events in 2025, applying the principles of Sort, Set in Order, Shine, Standardize, and Sustain. These hands-on events spanned all core departments, ensuring every area of the organization was aligned in the pursuit of operational excellence.

Building a Culture of Quality-One Department at a Time

RESULTS



80% reduction in items kept on hand



50% decrease in time spent locating tools



Order Fulfillment: **61%** reduction in movement waste



Quality Control: **65%** reduction in movement waste



Non-essential paperwork was reduced by **90%**

CONTACT US



450 Sinclair Street
Reno, NV 89501-2239



(775)784-1935



ManufactureNevada.com



The results of the Green Belts' efforts were both immediate and measurable.
Research & Product Development: 80% reduction in items kept on hand and a 50% decrease in time spent locating tools • Sales & Marketing: 75% fewer clicks to locate digital materials and a 75% reduction in time required to set up and break down the marketing booth, now a one-hour task for one person

Material Control: 50% of obsolete items removed, with resources reallocated to enhance incoming inspection, based on time studies

Order Fulfillment: 61% reduction in movement waste and an immediate gain of 30 square feet of critical shipping space

Production: 35% increase in space and a 20% reduction in unnecessary movement. Standardized workstations were enhanced with shadow boards and clear labeling

Quality Control: 65% reduction in movement waste (eliminating 400 feet of walking per task) and a 50% increase in available shared drive storage capacity

Customer Support: Streamlined digital systems, reducing document clutter and reclaiming 30% of data storage. Created a Sable Museum in the facility entryway to share original designs dating back to the mid-1980s with visitors to the facility, while freeing up valuable active storage space.

Admin and Finance: Clutter and non-essential paperwork were reduced by 90%, and document storage on the Shared Drives was reduced by archiving, increasing efficiency by 45%

These improvements reflect a company-wide transformation rooted in Lean principles. By reducing waste and streamlining workflows, Sable has not only enhanced productivity but also created a stronger foundation for innovation and continued scientific discovery.

Testimonials

Green Belts, Stronger Teams, and a New Culture of Excellence

The impact of the initiative extended far beyond operational metrics-it ignited a cultural shift toward leadership, ownership, and pride:

"The Green Belt training gave me the tools and confidence to approach 5S in a structured way. It helped me see not only how to organize and improve space, but also how to involve the team, so the changes stick. It's helped us work more efficiently and take real ownership of our improvements." - *Justin Vallejo, Production Improvement Engineer*

"Being a Green Belt has been awesome. Running a 5S without this training would have been overwhelming. The class prepared us to be leaders. Team Members were energized and engaged during every event, and that enthusiasm came directly from the confidence and tools the training gave us." - *Evan Sedoti, Production Supervisor*

"The Green Belt training helped me streamline processes and identify where cleanup and efficiency could happen. In Order Fulfillment, we gained space to store short-term pallets while continuing to package other shipments – something we couldn't do before." - *Sarah Asp, Import/Export and Order Fulfillment Manager*

"I've led two 5S Kaizen events since becoming Green Belt certified, and the feedback has been overwhelmingly positive. People are excited about their new, streamlined workspaces, and we've removed years of accumulated clutter." - *Jeff Howe, Quality Manager*

"The 5S helped Order Fulfillment by streamlining our working area. We've found space, we're more efficient, and the Green Belt training helped me see how to sustain these improvements long-term." - *Arie Kraft, Technical Support Manager*

"After the 5S event, the Sales and Marketing Team made huge improvements in team cohesion, effectiveness, and communication. The Green Belt training helped me facilitate this department-wide transformation that has made a positive impact on all team members and department metrics." - *Jessie Eiting, Product Manager*

"The Green Belt training gave me the tools and confidence to approach 5S in a structured way. It helped me see not only how to organize and improve space, but also how to involve the team, so the changes stick. It's helped us work more efficiently and take real ownership of our improvements."

-Justin Vallejo, Production Improvement Engineer