

THE NATIONWIDE BOILER STEAMLINES

DECEMBER 2024



TEAMWORK POWERS NATIONWIDE'S LARGEST FIRETUBE BOILER PROJECT TO DATE

As industries modernize and prioritize sustainability, Nationwide Boiler continues to rise to the challenge through the combined efforts of our dedicated teams delivering cutting-edge technology, innovative engineering, and unparalleled service.

Our largest firetube boiler job to date exemplifies this approach: the supply of four (4) 2,000 HP, 150 psi design hot water glycol boiler packages to an energy facility on the East Coast. Our Sales, Project Engineering, and Service teams worked together to deliver a solution that satisfied the customer's unique needs while upholding Nationwide's reputation for unmatched customer support. Now in the start-up phase and nearing completion, this project highlights the importance of teamwork and collaboration.

The boilers supplied were custom designed to fit within the constraints of the facility's existing boiler plant, replacing outdated equipment with modern, efficient solutions. Each unit is equipped with an ultra-low NOx burner achieving 9 ppm NOx performance as well as Nationwide's Eagle One Boiler Control System. Pre-tested and UL-listed, the control system provides advanced fuel-air ratio controls with oxygen trim, a variable frequency drive (VFD) for the air fan, and remote monitoring capabil-

ities. It was built on an Allen-Bradley CompactLogix PLC platform with a user-friendly touchscreen interface and Fireye BurnerLogix SIL-2 rated burner management system. The complete package was designed to ensure seamless integration, reliable operation, and compliance with stringent environmental regulations.

From start to finish, Nationwide Boiler delivered turnkey support including installation guidance, commissioning, start-up services, and operator training; but what sets this project apart is the synergy between our teams. Sales worked to understand and address the customer's requirements and Project Engineering worked with our manufacturers to design innovative solutions that maximize efficiency while accommodating the space limitations of the plant. Our Service team is currently providing hands-on support through start-up and is heading towards a smooth transition to operations. This collaboration resulted in a system built to minimize downtime, reduce emissions, enhance efficiency, and deliver reliable heating for years to come.

The success of this project reflects both Nationwide's technical expertise and the strength of our team-oriented approach, further illustrating our commitment to Integrity, Dependability, and Real Customer Service.

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"...INTEGRITY, DEPENDABILITY, REAL CUSTOMER SERVICE."



USING INTENTIONAL LANGUAGE TO DRIVE SUCCESS

As I reflect on this past year, it seems like time goes by faster and faster the older I get. It's a new year again, didn't we just have that a few months ago? I would like time to slow down some and smell the roses, so to speak.

Nationwide Boiler has been truly blessed with business this past year, both in rentals and sales. Many repeat customers, yet many new customers who have joined the ranks of our users list. These customers range from large petroleum refiners, to paper companies, to multi-national food companies to many other industries making thousands of products that we use everyday. Looks like we are going to be around that \$60M record number again this year, kudos to our entire team who did really well.

I've been reflecting on some words that often come up in conversation, and I'd like everyone to rethink how they use these words. The language we choose shapes how we approach challenges, so let's focus on using words that reflect confidence, ownership, and intentionality in our work.

Hope – Instead of saying we hope something turns out right, let's convey confidence. We should be striving for certainty in our outcomes. Words like endeavor paired with positive, action-oriented verbs can better express our commitment to success.

Waiting – Saying we're waiting on something implies a lack of control. Let's take ownership of our projects and actively manage them to stay ahead, rather than allowing external factors to dictate the schedule. We can replace "waiting" with terms like managing, coordinating, or pro-actively planning.

Busy – Simply being busy doesn't mean we're productive or driving value. Instead, let's focus on being engaged, absorbed, immersed, or industrious—busy doing the right things that contribute to our goals.

In short, let's be intentional with our language and our actions. Thoughtful responses and a proactive mindset can make all the difference in how we tackle our work and convey our message.

Wishing everyone a very Merry Christmas and success in the New Year!

Zany

NBI NEWS BRIEFS

WELCOME!

Employee News

We'd like to extend a warm welcome to some new employees at Nationwide Boiler.

Jerry Johnson is our newest Service Technician at our Washougal, WA facility bringing valuable experience from his previous roles. In addition, **Jakob Hearn** has joined our Alvin, TX team as a Boiler Technician bringing electrical expertise and experience with his Associate of Applied Science (AAS) in Electrical.

Jerry and Jakob are both great additions to our team, and we appreciate the fresh perspectives and energy they bring to our company.

We would also like to take a moment to recognize and congratulate **Renny Rector** on his recent promotion to Director of Procurement. In this new role, Renny will focus on developing policies to improve efficiency for our purchasing and procurement processes. We look forward to Renny's continued success in this new role.



140th Anniversary Issue: PaperAge Magazine

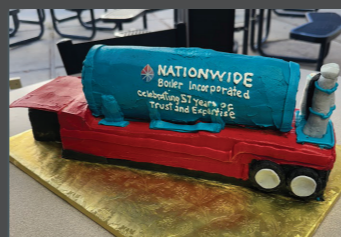


Nationwide Boiler has a long history supporting the pulp and paper industry with reliable rental boilers, permanent boiler equipment, emissions control and custom control system solutions.

For the [140th Anniversary Edition of PaperAge magazine](#), Nationwide Boiler was featured with an article on our contributions to the boiler industry: how boiler SCR technology was a pivotal step towards environmental sustainability. Be sure to check it out if you haven't already!

Grateful for New Relationships

We'd like to extend a special thank you to our new banking partner, Comerica, for their support and expertise throughout the transition process. Their commitment to building strong partnerships was on full display when they surprised us with a custom boiler cake—complete with incredible detail—as a token of appreciation for our business. We look forward to a successful collaboration ahead.



SPREADING JOY: GIVING BACK THROUGH HOLIDAY DRIVES

In the spirit of giving, Nationwide Boiler is excited to announce the successful completion of multiple Holiday Toy and Food Drives across our locations. With facilities in California, Washington, and Texas, our teams joined forces to bring some extra holiday cheer to local communities in need. This annual initiative holds a special place in our hearts as we come together to make a meaningful difference in the lives of those who may be facing challenges this holiday season.

At our Fremont, CA headquarters, we're proud to have once again partnered with Joey's Toy Drive to bring joy to underprivileged children across the Bay Area. Joey's Toy Drive has been spreading holiday magic since 2012 when their founder, Joey, began giving back at the young age of



7. This year, our team went above and beyond to fill not just one but three large boxes, each overflowing with gifts by the end of the drive.

At our Alvin, TX facility, we were honored to support SoleAna Stables, a private facility in Houston that offers therapeutic riding programs for active-duty military members, veterans, and individuals with disabilities. Our team came



together and raised a total of \$300 that was donated directly to the organization and will be put towards horse lessons, food, and other essentials that support their cause. The opportunity to contribute to such a unique and impactful organization is one we deeply value, knowing it helps create a positive ripple effect for those they serve.

Finally, at our Washougal, WA facility, we organized another successful food drive teaming up with Interfaith Treasure House to gather food for local families in need. At the end of the drive, our team collected a total of 419 lbs of food plus a monetary donation of \$50. By helping to provide essential supplies, we aim to make the holiday season a little brighter and less stressful for those in our community.



Seeing the generosity of our team reminds us of the true spirit of the season—sharing joy and hope with others, and we are incredibly grateful for the opportunity to give back and make a difference in the communities around us. A heartfelt thank you to the entire Nationwide family for your kindness and generosity—it's the little things we do together that create a big impact. This holiday season, we're reminded that through collective efforts, we can spread hope, joy, and compassion to those who need it most!

NBI EMPLOYEE SPOTLIGHT: GREG SOLOMON

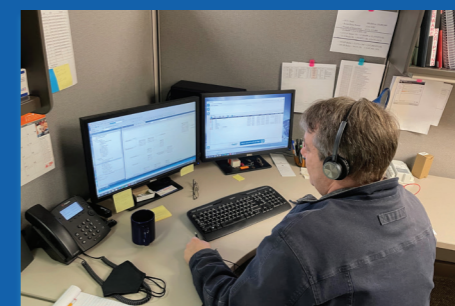


In this month's Employee Spotlight we are thrilled to recognize Greg Solomon for his exceptional contributions and dedication to Nationwide Boiler over the past six years. As our Controls Engineer at Nationwide Control Solutions, Greg plays a vital role in designing, programming, and testing PLC-based burner management / combustion control panels for new and retrofit projects as well as for the panels on our fleet of rental boilers.

Greg's career journey is nothing short of impressive. He began with eight years in the Naval Nuclear Power Program as an electrician, honing his skills in high-pressure, technically demanding environments. After leaving the Navy, Greg spent six years at NUMMI

(New United Motor Manufacturing, Inc.) in Fremont, working on electrical and mechanical maintenance, PLC programming, and robotics.

After moving to Washington, Greg eventually found himself working for Pacific Combustion Engineering, now known as Nationwide Control Solutions. Reflecting on his career, Greg marvels at the coincidence of working for a company headquartered



so close to his old job in Fremont.

Greg initially joined Nationwide as a service technician where he gained valuable hands-on experience in the shop and in the field. This foundation helped him transition into his current engineering role, where his expertise continues to shine. Beyond his professional life, Greg has a passion for the beach. He enjoys visiting his beach property where he finds relaxation and inspiration near the water.

We are fortunate to have someone as skilled and dedicated as Greg on our team. His professional journey showcases his versatility, work ethic, and passion for innovation. Here's to Greg's continued success and many more years of impactful contributions at Nationwide Boiler!

THE MEANS BEHIND A SAFETY PLC

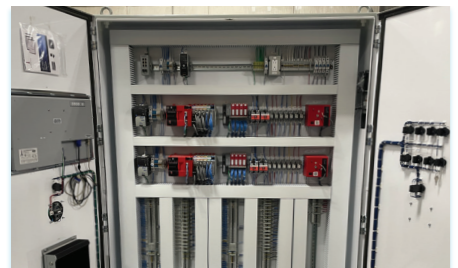
Nationwide Control Solutions has extensive expertise in designing and building custom PLC-based safety systems, ensuring our customers achieve the highest standards of safety and reliability in their operations. These systems are a cornerstone of modern industrial safety, offering precise control and risk mitigation in a variety of critical applications.

A PLC-based safety system is an automated control system that uses a Programmable Logic Controller (PLC) to ensure the safe operation of industrial equipment and processes. These systems are specifically designed to monitor, control, and mitigate risks in real time, providing a high level of reliability and safety in environments where hazardous conditions could arise.

Equipped with safety-rated hardware and often certified for safety applications (such as SIL-rated compliance), PLC-based safety systems are built to handle critical functions with precision and dependability. They typically feature redundancy to maintain operation in the event of a failure, and include emergency shutdown capabilities to quickly halt processes when unsafe conditions are detected. These systems continuously monitor sensors, actuators, and processes, providing real-time diagnostics and alerts to identify safety risks before they escalate.

Designed to meet rigorous safety standards like IEC 61508, IEC 61511, or ISO 13849, they are commonly used in applications such as boiler/burner management systems, emergency shutdown systems, machinery safety, and process safety in industries like oil and gas, chemical manufacturing, power generation, and more.

By improving operational efficiency, reducing downtime, and protecting people, equipment, and the environment, PLC-based safety systems play a critical role in modern industrial operations. Nationwide is proud to deliver solutions that keep industries running safely and efficiently.



CATASTAK PROVIDES NEAR-ZERO NOx FOR NEARLY 25 YEARS... AND COUNTING!

In 1999, Nationwide Boiler conducted a final demonstration project for a selective catalytic reduction (SCR) system to achieve ultra-low NOx boiler performance. By 2001, the CataStak™ was officially launched to the market. Initially deployed in Nationwide's fleet of rental boilers and through rigorous testing and operation, the CataStak SCR system demonstrated its ability to reduce NOx emissions to single-digit levels before being offered for permanent boiler and non-boiler applications.

Stricter environmental regulations demand innovative and proven solutions, and the CataStak has delivered unmatched reliability, efficiency, and environmental performance for nearly 25 years. With over 250 successful installations, it has set the benchmark for effective NOx reduction in a variety of industries and applications.

This advanced system reduces emissions to near-zero NOx levels, ensuring compliance with even the most stringent environmental standards. Key components, including a urea, anhydrous or aqueous ammonia injection system, mixing chamber, and catalyst reactor, work together seamlessly to convert harmful NOx emissions into harmless nitrogen and water. The result is a solution that can guarantee levels as low as 2.5 ppm NOx and 5 ppm ammonia

slip (both at 3% O2), all while maintaining operational efficiency and supporting long-term sustainability goals.

Facilities across a range of industries can benefit from the CataStak SCR System in multiple scenarios. Whether complying with local air quality regulations, pursuing internal sustainability or environmental goals, or striving to qualify for energy rebates or incentives, the CataStak provides a clear path to success. For facilities with existing equipment that remains operational but requires updates to meet evolving emission standards, the CataStak offers a cost-effective retrofit solution that ensures compliance while maintaining operational efficiency.

From industrial boilers to fired heaters, heat recovery steam generators, cogeneration plants and more, the CataStak™ offers a versatile and dependable path to near-zero NOx emissions. Scan the QR code learn more about the CataStak™ on Nationwide Boiler's YouTube channel, and contact us today to explore how this proven solution can help your facility achieve compliance, efficiency, and sustainability.



COMMON Q&A: RENTAL BOILER EDITION (PART 2)

In this edition of Nationwide's Steamlines Newsletter, we are continuing the questions and answers series, where we address common questions and provide helpful insights to enhance your rental boiler experience.

Q: What safety training do your service technicians have?

A: Our service technicians are highly trained with experience on the job and in the field. They attend routine certified trainings including Basic Plus Safety Training, Burner Manufacturer Combustion Courses, and Basic Controls & Troubleshooting, and they are also certified in first aid and CPR. Service Technicians also attend coordinated safety training sessions every two weeks to stay current with the latest best practices.

Before performing any work on the job, our service team will also complete any required and site specific safety training. This ensures that each technician is fully prepared to comply with the unique safety requirements of each facility for all service needs through the duration of each project.

Q: What utilities do I need to supply?

A: The following utilities are required for proper rental boiler

operation: electricity, fuel, water, control or instrument air, a sewer/drain connection, and a feedwater source.

Q: Do you offer operator training?

A: Yes, we usually provide equipment and control familiarization once the start-up and commissioning is complete. This helps your team get familiar with the system and feel confident operating it. However, it's important to have qualified boiler operators on site who can handle the daily operations. If necessary, third-party operators can be brought in to help manage the system.

Q: What if we have an issue with the rental boiler?

A: If you encounter any challenges and need assistance, just call Nationwide's Service Manager, Tony Dickerson, at 800-227-1966. We are available 24/7 so you can reach out anytime for rental equipment support.

As always, we welcome your feedback. If you have any questions or topics you'd like us to cover, feel free to send them in - we're here to make sure our content is helpful and relevant to you. Stay tuned for more common Q&A's in the next edition of our Steamlines Newsletter.

NBI PARTNER SPOTLIGHT: BOILER SUPPLY COMPANY

Boiler Supply Company has been a trusted regional partner of Nationwide Boiler for more than 10 years, serving as a valuable resource for customers with their territories of Tennessee, Georgia, Kentucky, and Virginia.

With 5 offices across Georgia and Tennessee including their recent expansion to Augusta, Georgia, Boiler Supply has built a solid reputation for excellence in the industry. They offer a wide range of products including boilers, boiler room equipment, and water treatment chemicals, while also providing vital services such as equipment support, service and repair, removal and replacement, and ongoing maintenance.

Recently, Boiler Supply was instrumental in securing and coordinating a critical rental project for Nationwide Boiler. Their efforts led to the provision of an 82,500 lb/hr trailer-mounted watertube boiler for a major university in the southeast (who's really good in football). Boiler Supply's team played a

pivotal role in the project handling delivery, setup, and service support to ensure the boiler was installed and operational without issue. This temporary steam solution will remain on-site for the duration of the university's equipment replacement project, demonstrating their expertise in managing complex installations.

Nationwide Boiler deeply values our partnership with Boiler Supply Company. Their dedication and regional expertise have been key to delivering high-quality boiler solutions and exceptional service to customers across multiple states. Together, we look forward to building on this strong relationship and continuing to meet the evolving needs of our clients with reliability and professionalism.





Holiday Celebrations!

CELEBRATING A YEAR OF SUCCESS AND HOLIDAY CHEER

40 YEARS OF SERVICE

Larry Day
Hilario Melchor

15 YEARS OF SERVICE

Tim McBride

10 YEARS OF SERVICE

Brett Barnes
Allison Day
Andrew Horne
Jim Lieskovan
Marcus Robinson

5 YEARS OF SERVICE

Aaron Smith
Rich Winfield

This year has been another exceptional one for Nationwide Boiler; a year filled with growth, success, and plenty to celebrate! Our team's dedication to providing top-quality boiler solutions and outstanding customer service has been the cornerstone of our accomplishments. To celebrate these achievements and show our appreciation, we held multiple festive Christmas parties across our locations.

Our Fremont HQ, Visalia, and remote employees gathered at The Hayes Mansion in San Jose, CA for a night of celebration, complete with an after-party at the hotel's speakeasy. Nationwide Control Solutions hosted their party at The Cove Restaurant featuring fresh seafood and NW Cuisine, while our Alvin team celebrated at Gentle Ben's Tasting Room. Each event included fun gift exchange games, adding some holiday cheer to the festivities.

At these gatherings we recognized incredible service milestones, including Larry Day and Hilario Melchor, each celebrating an impressive 40 years with Nation-

wide Boiler. Larry has been a driving force in shaping our success, from Sales Engineer to VP of Sales and Marketing to his current role as President and CEO. And Hilario, our Paint Lead, has set the gold standard for our boilers' exceptional finishes, mentoring his team along the way.

We also continued the tradition of honoring the exceptional contributions of our team. The Self Award was presented to Aaron Smith for his critical role in securing our National Board "R" Certificate for the Alvin facility. The Dick Bliss Award, created in honor of Nationwide's founder, went to Frank Medina Diaz Sr., our Fremont Shop Lead, for his outstanding leadership and dedication.

As we welcome the new year, we are deeply grateful for the connections we've built and the contributions of every team member who helps drive our success. Together, we will continue to reach new heights. Here's to another year of collaboration, innovation, and achievement. Happy Holidays!

RENTAL FLEET ADDITIONS TO MEET GROWING DEMAND

To address the growing demand for rental boilers across various locations and industries, Nationwide Boiler is ramping up the rental fleet once again. With a strong commitment to providing top-tier temporary steam solutions, we have multiple new units now in production and designed to deliver efficiency, reliability, and compliance with the most stringent emissions standards.

For superheat steam requirements, we now have multiple new 75,000 lb/hr 750°F superheat steam boilers being built in two distinct designs: 750 psi and 775 psi. These units are engineered to handle critical process requirements ensuring flexibility for a wide range of applications. Additionally, we are bolstering our lineup of 110,000 lb/hr mobile superheat steam boilers, the largest of their kind in the world. These high-capacity units continue to set the standard for mobile steam solutions, providing unmatched performance for large-scale industrial operations.

To address the ultra-low NOx needs of boiler owners on both coasts (not just California), we are also increasing our inventory of 800 HP ultra-low NOx mobile boiler room. These systems are ideal for customers in areas with stringent emissions regulations, offering a compact yet powerful solution for steam generation.



Finally, we are adding another 200,000 lb/hr mobile de-aerating feedwater system to our fleet. This high-pressure unit ensures superior water quality, supporting optimal boiler performance and protecting equipment from the harmful effects of oxygen and carbon dioxide in feedwater.

As we expand our inventory, Nationwide Boiler remains committed to delivering innovative, reliable solutions to our customers. With these new additions, we continue to strengthen our position as a leader in the temporary steam market, ready to support your operations wherever and whenever you need us. For more information on our growing rental fleet and how we can assist with your specific requirements, visit www.nationwideboiler.com or contact us at (800) 227-1966.

STOCK BOILER INVENTORY SPOTLIGHT

47.5 HP, 150 PSIG

New Hurst
Low NOx, Vertical Tubeless
Package Boiler

60 HP, 150 PSIG

Used Precision
Electric Steam Boiler

300 HP, 150 PSIG

Used Cleaver-Brooks
Ultra Low NOx
Package FT Boiler

150 - 800 HP, 250 PSIG

New Hurst
Low or Ultra-Low NOx
Package FT Boilers

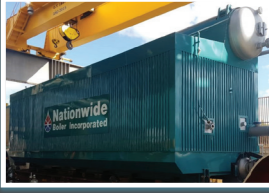
90,000 PPH, 950 PSIG

Reconditioned Victory
Low NOx Package WT Boiler

(2) 200,000 PPH, 750 PSIG / 750F

New B&W, Low NOx
Package WT Boiler

**Additional boilers in-stock & in-production, inquire within for more details.*



2025 UPCOMING EVENTS

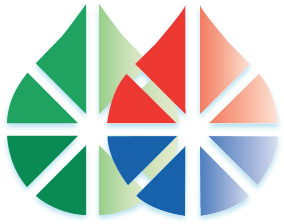
ABMA Annual Meeting
Savannah, GA
Jan 17 - 20

CA Food Expo
Sacramento, CA
Feb 5 - 6

IDEA Campus Energy
Boston, MA
Feb 3 - 6

WRBA Conference
Coeur D'Alene, ID
Mar 25 - 27





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