



THE NATIONWIDE BOILER STEAMLINES

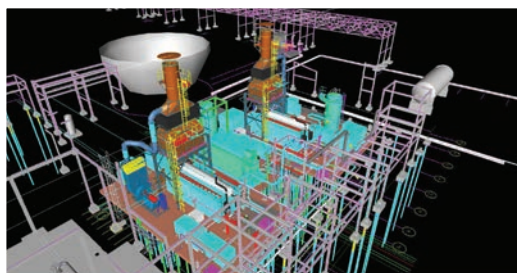
AUGUST 2024



WORLD'S LARGEST MOBILE SUPERHEAT BOILERS SUPPORT REFINERY'S TEMPORARY STEAM NEEDS

Although they may not look like mobile boilers in the photo above, they are. In fact, the two larger units are the 'World's Largest' mobile superheat boilers! With Nationwide's versatile trailer design, our customer was able to remove the trailer's gooseneck and running gear to allow for more space around the equipment. This will better facilitate operations and maintenance during the long-term rental application. So, what's this job about?

Nationwide Boiler's existing multi-national refinery customer required a temporary steam solution at one of their Gulf Coast refineries. Their aging 500,000 lb/hr boiler was becoming increasingly unreliable causing downtime, steam shortages, and reduced production capacity. With a request of 250,000 lb/hr of temporary steam supply, our team collaborated closely with the customer to evaluate options and determine the optimal combination of boilers from our extensive rental inventory. From there, Nationwide Boiler deployed



(1) 75,000 lb/hr and (2) of our World's Largest 110,000 lb/hr mobile superheated steam rental boilers. This combination of boilers not only met but exceeded the minimum requirement, providing the facility with a cushion to support times of increased steam demand.

For each rental boiler, an EconoStak Economizer and a CataStak™ SCR System were also supplied. Designed for use with aqueous ammonia, the complete SCR system consists of a reactor house with catalyst, duct work, an 8,000 gallon aqueous ammonia tank, unloading station, forwarding pumps, and (3) vaporizer skids with ammonia flow control units. To enhance the installation process, Nationwide Boiler provided 3D drawings of the rental equipment which were integrated into the customer's facility CAD drawings.

Nationwide Boiler, along with our local representative ADCO Companies, provided on-site installation support to ensure the mechanical system was properly installed and to assist with the setup of the plant's DCS communications. In addition, we provided extensive engineering support as well as control narratives for the operation of the BMS, combustion control, and SCR systems.

A project of this scale requires extensive collaboration and teamwork among departments

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and all involved companies. As we enter the start-up phase, our rental, engineering, and operations teams continue to work closely with the refinery personnel to meet all project requirements and schedules.

Nationwide Boiler's commitment to delivering reliable temporary steam solutions ensures that the refinery can maintain consistent production levels through the duration of this long-term rental project.

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

FINDING HARMONY THROUGH WORK-LIFE BALANCE



As our company grows and our workloads continue to increase, it's crucial to reflect on an often overlooked aspect of our professional lives: the work-life balance. At Nationwide Boiler, we understand that our greatest asset is our people, and their well-being directly impacts our success. I truly believe that maintaining a healthy balance between work and personal life is not just beneficial for individual well-being but also essential for fostering a productive and engaged workforce.

Recently I experienced a personal milestone that has reminded me of the importance of balance in life: becoming a grandparent for the first time. Becoming a grandfather and experiencing the joy of a newborn has put an even stronger emphasis on the irreplaceable value of family time and the importance of stepping back to appreciate life's simple pleasures.

Work-life balance is not just a personal matter but a professional imperative. When we are rested, fulfilled, and happy we bring our best selves to work, contributing to a more productive and positive workplace. Nationwide Boiler has always been a family-first organization and we encourage our team members to prioritize their well-being. We must all recognize that a healthy work-life balance leads to greater creativity, innovation, and overall job satisfaction.

Achieving this balance requires conscious effort and a supportive environment. We strive to offer flexible work arrangements, promote a culture of understanding, and provide resources that help our employees manage their professional and personal responsibilities. Whether it's through employee assistance initiatives or simply fostering an open dialogue about the challenges of balancing work and life, we are committed to supporting our team in every way possible.

As I embrace this new chapter of grandparent-hood, I am more convinced than ever of the need for a balanced life. It's a reminder that while work is important, it's equally vital to cherish and nurture our personal relationships and well-being.

Larry

NBI TEXAS RECEIVES R-STAMP CERTIFICATION for boiler welding & repairs



Nationwide Boiler's sales and maintenance facility in Alvin, Texas has achieved the National Board "R" Certificate of Authorization for boiler and pressure-vessel repairs. This achievement was a true team effort, and our group in Alvin continues to impress with quality workmanship and exceptional results. Great job team!

Read our recent [press release](#) to learn more.

NBI NEWS BRIEFS

WELCOME ME!

Earlier this year, Nationwide Boiler welcomed **Brendan McNamee** back to the rental boiler industry. With an extensive background and knowledge of the business, Brendan is a great fit as our East Coast Sales Engineer. Brendan hit the ground running and has already begun building new relationships, rekindling existing ones, and securing multiple projects in his first 3 months on the team.



We are also pleased to announce the addition of **Jose "Angel" Diaz** to our shop team in Alvin, Texas. Angel is an experienced boiler instrument technician who will be training to join our service group in the future. Another great addition to the team!

Lastly, **Zachary Quimson** has rejoined the shop and engineering teams as a second-year summer intern. Zach has been working primarily in our Fremont shop to gain hands-on experience and further develop his skills. He also works with the engineering team weekly for additional hands-on development. We are happy to have him back and look forward to seeing him grow and progress in his field of choice.

Larry Day, Also Known As 'Poppy'



Larry and Kathy Day have recently been promoted... to Grandparents! Victoria Grace Gardner was born on May 23, 2024 at 8 lbs 4 ounces and 20" long. Congratulations to Poppy Larry and Nana Kathy! We hope you can cherish these moments and enjoy this next chapter of grandparent-hood.

Hurst Boilers In-Production for Stock Inventory

We've ramped up our in-stock boiler inventory with the addition of 7 new Hurst package fire-tube boilers. With anticipated completion dates in September, these boilers range in size from 150 to 1,000 HP, are designed at 250 psig, and offer an expedited option for customers.



While the balance of our stock boiler inventory includes new and used, complete package boilers, these 7 fire-tube boilers are unique in that they offer a more flexible solution. With burners also in-stock but stored loose until purchased, we can offer them as a boiler only, burner only, or a complete boiler/burner package. Furthermore, customers can select the low or ultra-low NOx burner of choice based on their unique application requirements. Burners will be installed at the factory and prior to delivery of equipment for projects that require a complete packaged system.

FOCUSED ON SAFETY: NATIONAL SAFETY MONTH

In June Nationwide Boiler proudly celebrated National Safety Month with a series of engaging and educational activities designed to promote a safety-first mindset in the workplace. Recognizing the critical importance of safety in our industry, we dedicated the entire month to reinforcing best practices and raising awareness about various safety topics. Our Health & Safety Specialist, Gaby Franco, spearheaded the event by organizing a range of activities that combined learning with fun.

We kicked off the month with sessions on crucial safety topics, such as ergonomics and preventing slips, trips, and falls, to remind everyone of the basics that often get overlooked. In our Fremont office, employees participated in a safety scavenger hunt where they identified safety protocols, potential hazards, and opportunities for safety improvements around the workplace. This interactive exercise not only heightened awareness but also fostered a proactive approach to safety.

Additionally, we hosted a safety video contest inviting employ-

ees to creatively showcase safety protocols and practices. This contest served as a valuable educational tool and highlighted the innovative and enthusiastic spirit of our team. The creative entries demonstrated our employees' deep understanding of safety principles and their commitment to upholding these standards.

To further motivate participation, winners of the scavenger hunt were entered into a raffle, and prizes were also presented to the winning video submission. These initiatives provided a dynamic and enjoyable way to underscore the importance of maintaining a safe work environment.

By celebrating National Safety Month in such an engaging manner, we reinforced our dedication to promoting a culture of safety at Nationwide Boiler. This commitment is not just a monthly focus but a core value that guides our everyday operations, ensuring the well-being of our employees and the safe execution of all our projects. We are proud of the proactive steps our team takes daily to create a safe and supportive workplace.



EMPLOYEE SPOTLIGHT: JOHN LICCARDO



Boiler Mechanics at Nationwide Boiler play an important role in the build and maintenance activities of our rental fleet. Their expertise ensures that boilers are built to our high-quality standards and operate reliably for each rental project. John Liccardo is one of Nationwide Boiler's newer Boiler Mechanics, and a prime example of how someone can start with little to no boiler knowledge and, through hands-on experience and on-the-job training, develop the skills needed to advance in the field.

In 2021, John felt the need for a career change that allowed him to use his skills in a more meaningful way, and this led him to apply to Nationwide Boiler for an entry-level shop support position. Although he had never considered a career in the boiler industry, he was excited about exploring something entirely new. In his role as Shop Support, John was responsible for maintaining shop facilities and inventory as well as assisting shop

personnel. He was eager to learn and build new skills, and often volunteered to assist with projects whenever an opportunity arose. He gained hands-on experience with new rental boiler builds under the guidance of Shop Lead, Frank Medina, and in 2022 John officially began his career as a Boiler Mechanic.

John's life has been shaped by various influences. His grandfather, a father figure, taught him how to fix things and he's continued to learn a great deal from everyone at Nationwide Boiler's shop. One thing he values about working at Nationwide Boiler is the willingness of everyone to offer help and teach. John finds that starting a new project is the hardest part but he is inspired by Ronnie Coleman's

slogan "Nothing to it, but to do it", motivating him to try new things despite the challenge.

When John isn't at work, he loves trying new foods around town and working on his car. His latest project is restoring his Great Grandpa's 1962 Cadillac, which has been sitting idle for 50 years. Some other hobbies include off-roading, camping, road trips, and spending time with his wife and two dogs. Two items on John's bucket list are to watch the Aurora Borealis (Northern Lights) in Iceland and to own a house one day.



John's journey from a novice to a skilled Boiler Mechanic within just one year highlights the value of hands-on, on-the-job training. His dedication and rapid advancement not only demonstrate the potential for growth in the field but also serve as an inspiring example of what can be achieved with determination and the right attitude.

REGULATORY BOILER COMPLIANCE

Boiler owners must navigate a complex web of regulatory emissions requirements that vary significantly by state and by county. These regulations are designed to minimize environmental impact and ensure public health and safety. Understanding and adhering to these requirements is crucial for facilities to avoid fines and operational interruptions.

Most states require boilers to have operating permits that specify emission limits and monitoring requirements. These permits are issued by state environmental agencies and are often based on boiler size, fuel type, and usage. Emission limits for pollutants such as nitrogen oxides (NOx), sulfur dioxide (SO₂), carbon monoxide (CO), and particulate matter (PM) are set by the Environmental Protection Agency (EPA) and state agencies. These limits vary by region due to differences in air quality and local environmental goals. Additionally, the EPA's New Source Performance Standards (NSPS) establish specific emissions standards for new and modified boilers, designed to ensure that new installations meet the latest emissions control technologies.

Boiler operators are often required to monitor emissions continuously and report the data to regulatory agencies. This can involve the use of continuous emissions monitoring systems (CEMS), predictive emissions monitoring (PEMS), or periodic stack testing to measure pollutants. Larger boilers may be subject to GHG reporting requirements, which involve tracking and reporting carbon dioxide (CO₂) emissions. This is part of broader efforts to address climate change. Lastly, regular maintenance and tune-ups are mandated to ensure boilers operate efficiently and within emissions limits. This includes periodic inspections, repairs, and adjustments to combustion settings.

Navigating these regulatory requirements can be daunting, but Nationwide Boiler has the expertise to help. With decades of experience in the boiler industry, our team can provide guidance on compliance with emissions regulations, offer solutions for emissions control, and support operators in obtaining necessary permits for both temporary and permanent applications. Trusting Nationwide Boiler ensures that your operations remain compliant and efficient, allowing you to focus on what you do best—running your boiler systems effectively.



TRANSFORMING THE TRADITIONAL NATIONWIDE REP RELATIONSHIP

As Nationwide Boiler has grown and transformed over the years, we have come to offer more than just world class rental boiler equipment. This includes new and used boilers for sale both in-stock and built-to-spec, proven CataStak SCR system solutions for ultra low NOx compliance, heat pumps as a sustainable heating solution, and custom PLC-based control systems.

The 2017 acquisition of Pacific Combustion Engineering (now operating as Nationwide Control Solutions), enhanced our control system capabilities tenfold. We now have the in-house capability to manufacture high-quality, UL-certified control systems for our own rental fleet and also for projects. In addition, we have a solid team in place to better support the control system needs of not just our customers but our outstanding network of representatives.

By leveraging advanced control technologies, Nationwide Control Solutions enables seamless integration of various equipment, ensuring that all components work harmoniously together. This approach is particularly beneficial for large-scale projects requiring intricate coordination between multiple systems. Nationwide Control Solutions has played a crucial role in transforming Nationwide's traditional representative relationships into comprehensive system integration partnerships.

Take Campbell-Sevey for example, one of our long-standing Nationwide Representatives covering the upper Midwest region of the United States. The partnership between Nationwide Boiler and Campbell-Sevey, enhanced through Nationwide Control Solutions, exemplifies how inno-

vative control technologies can transform traditional equipment supply relationships into dynamic system integration collaborations. By providing comprehensive control solutions, Nationwide Control Solutions not only ensures the seamless operation of complex systems but also adds significant value to projects across various industries.

In one complex greenfield project, Nationwide Control Solutions provided a series of control systems including a Siemens LMV5 Panel, a Combustion Fan VFD Panel, and a CompactLogix Master Control Panel. The system was designed to control multiple boilers, integrating diverse technologies to ensure smooth operation and effective device communication. Another significant project mirrored the complexity of the greenfield project, featuring a Master Panel for the control of multiple pieces of equipment. This installation also included (2) Eagle PLC Boiler Control Panels and VFD Panels, essential for managing large-scale refrigeration and processing systems.

Lastly, a simpler yet still significant project involved the deployment of a Surge Tank Starter Panel with a Honeywell UDC2800 controller. Designed to manage water levels efficiently, this project highlights the versatility of Nationwide Control Solutions in addressing various control needs.

For each of these projects and more, Nationwide Boiler worked hand-in-hand with Campbell-Sevey to provide advanced systems integration for various industrial applications. This partnership highlights the potential of collaboration and innovation while driving progress and efficiency through our network of representatives and beyond.



COMMON QUESTIONS & ANSWERS - RENTAL BOILER EDITION

With rentals at the core of our business, Nationwide Boiler is committed to providing complete transparency when it comes to everything involved in the process of renting a boiler. For this reason, we have developed a list of common questions and answers. This list is sent to new rental customers to inform them of the primary requirements of renting a boiler.

Let's review a few of the most common questions and answers related to the rental boiler process.

Question: How much advance notice is required to obtain a rental boiler, and what is required prior to shipment?

For a standard setup, we ask for a minimum of one week's notice but we recommend planning further ahead whenever possible. That said, we do support emergency requirements and have deployed rental boilers within one day of receiving a call. However, more advanced notice allows efficient preparation and scheduling and helps ensure that we provide you with the most suitable equipment and technician for the job.

Before we can ship your rental boiler, we require a signed rental agreement, insurance certificate, and payment of first month's rent plus a deposit that is refunded upon equipment return.

Question: What maintenance activities are required for the rental boiler?

In short, some of the maintenance requirements include proper water treatment, blowdown of boiler, water col-

umn, and sensing lines, cleaning and replacement of strainers and filters, motor bearing and linkage lubrication, and general replacement and repair to gauges, valves, etc., as needed.

We have a helpful Routine Maintenance Guide that covers all of this and more, which is provided to each end-user with the equipment operation manual. The maintenance of the equipment closely mirrors that of your own boiler, and detailed maintenance procedures will be thoroughly covered by our service technician during the start-up process.

Question: Who does the chemical treatment on the boiler?

The end-user is responsible for supplying the water treatment chemicals and maintaining proper water chemistry for the rental boiler. In most cases, customers will utilize their current water treatment vendor for these activities. We can also recommend a reputable water treatment supplier to partner with, when necessary.

Question: How often do I blow down the boiler?

We recommend doing it once per shift to keep the water chemistry within limits and to remove sediment, chemical concentrations, and solids from both firetube and watertube boilers. This will help maintain efficiency and prolong the lifespan of the boiler.

Stay tuned for future editions of Steamlines where we'll continue to share updates, tips, and answers to ensure a smooth rental project from start to finish!

NBI REP SPOTLIGHT: POWER EQUIPMENT COMPANY

Based in Memphis since 1927, Power Equipment Company specializes in energy systems and heat-generating products. They offer boilers, compressors, pumps, and related services such as equipment rental, maintenance, and emergency support. As a family-owned business, the company prioritizes innovation, energy solutions, and strong relationships with customers and industry partners.

Power Equipment has been part of the Nationwide Representative Network for over 30 years covering specific territories in Arkansas, Mississippi, Montana, Kentucky, and Tennes-

see. Over the years we have worked together on various rental projects, including the recent rental of a 650 HP Mobile Boiler Room to a University within their respective territory. The company's expertise and support made the rental process seamless and easy, delivering a reliable temporary steam solution during maintenance of the University's existing steam plant.



Power Equipment Company

We appreciate the strong partnership we have built with Power Equipment Company, and Nationwide Boiler is enthusiastic about the opportunities ahead. Together, we look forward to tackling new challenges and achieving greater success together!



ALOHA FROM OUR 43RD ANNUAL CHARITY GOLF TOURNAMENT

This year marked Nationwide Boiler's 43rd annual Pebble Beach Charity Golf Tournament and we are pleased to report that it was another resounding success! Through the generosity and support of more than 100 guests and nearly 60 sponsors and donors, the final amount raised exceeded \$63,000 making this our second most successful event to date. All funds raised were split and donated to the ABMA Scholarship Fund and Make-A-Wish Greater Bay Area.

The tournament kicked off with a practice round and a scramble competition at Poppy Hills Golf Course, where the golfers enjoyed pleasant sunshine throughout the day. As evening approached, golfers and guests gathered for a welcome reception to enjoy drinks and appetizers, socialize, and purchase tickets for the highly anticipated raffle for 1 oz. of gold. Our tournament round took place the following morning at Pebble Beach Golf Links and wrapped up with a Hawaiian Luau themed awards banquet and clam bake buffet dinner later in the evening.

Starting bright and early the morning of May 9th, golfers were greeted with clear skies and warm sunshine to kick off the tournament round. We enjoyed the warmth while it lasted, as the usual wind and cooler temperatures showed

Tournament Winners



Low Gross
Geoff Wilkinson Jr.

Handicap Division
Mitch Frank

Callaway Division
Matt Whittington

Closest to the Pin
Jack Valentine

Longest Drive
Emily Forth

up in the early afternoon. Golfers participated in a spirited 18-hole competition for the ultimate title of Low Gross Champion. Additional competitions included the Handicap and Callaway Division Champions, Closest to the Pin, Longest Drive, and Hole-in-One for a chance to win \$45,000.

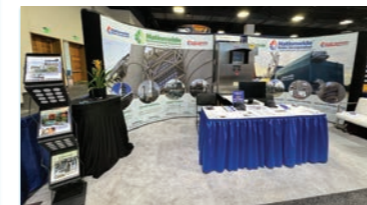
At the awards banquet, guests donned floral Hawaiian attire with real orchid leis while enjoying live island music by the Ho 'Omana Trio. Guests also participated in online and live auction events as well as our unique Deck of Cards Raffle. Don Thiry was our big winner that night, taking home the raffle prize of 1 oz. of gold in addition to having the winning card for the Deck of Cards Raffle! However, in a surprising twist of events, he unknowingly sold his winning card for \$200 and the remaining \$800 prize was generously donated back to the charities. These acts highlight the sportsmanship and goodwill that make our tournament special.

Save the Date! Our 44th Annual Tournament is scheduled for May 7 - 8, 2025 at Pebble Beach and Spanish Bay. Nationwide Boiler is proud to continue raising funds for these two great organizations, and as we reflect on the memories and differences made, we extend our deepest gratitude to all who participated in making this event a success.

ELEVATING BOILERS THROUGH INNOVATION & INCLUSION

Every two years, the American Boiler Manufacturers Association (ABMA) hosts BOILER, the premier conference and tradeshow for the boiler industry. BOILER2024 brought together industry leaders, business professionals, end-users, and stakeholders to discuss trends, technologies, and challenges in the boiler industry. The event featured a comprehensive lineup of educational sessions covering emerging technologies, regulatory updates, and best practices in boiler operation and maintenance. These sessions provided valuable insights and inspired new ideas to address industry challenges.

Nationwide Boiler was proud to participate as an exhibitor at BOILER2024. Our booth was a hub for networking and showcasing our latest equipment, including the Eagle Eye remote monitoring system for real-time information and predictive analytics. We also had the "World's First" 200,000 lb/hr mobile feedwater system on display in the Mobile Boiler Parking Lot, a big hit for those attending the event.



The ABMA's commitment to the future generation of the boiler industry was evident through their partnership with Pickens Technical College. Pickens welding students created a BOILER2024 sign displayed at the show, and the ABMA presented the college with a \$5,000 donation for their welding program. Furthermore, Shaunica Jayson and team coordinated the inaugural Women in Boiler Industry (WIBI) forum at BOILER2024. This event provided a platform for women professionals to connect, collaborate, and advocate for greater diversity and inclusion in the boiler industry.

BOILER2024 showcased the industry's commitment to innovation, inclusion, and positive change, and we appreciate all the efforts of the ABMA on this front. Mark your calendars because next stop is Nashville, TN for BOILER2026!



UPCOMING INDUSTRY EVENTS

THE PRIME EXPO
PRIME Expo
Pasadena, TX
August 20



WSSHE Annual Conference
Kennewick, WA
Oct 30 - Nov 1



API Fall Meeting
Dallas, TX
Nov 18 - 22

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

STOCK BOILER INVENTORY SPOTLIGHT

47.5 HP, 150 PSIG
New, In-Production 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

150-1000 HP, 250 PSIG
New, In-Production Hurst
Ultra-Low NOx
Package FT Boiler

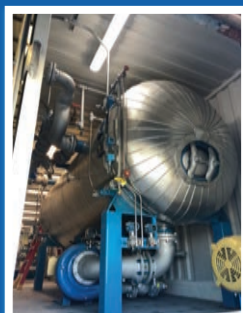
100,000 PPH, 500 PSIG
Reconditioned Nebraska
Low NOx Package WT Boiler

200,000 PPH, 750 PSIG / 750F
New B&W, Low NOx
Package WT Boiler



INSIDE LOOK AT WORLD'S FIRST 200,000 LB/HR MOBILE FEEDWATER SYSTEM

Announced in late 2023 and showcased at BOILER2024, Nationwide Boiler has built the first-ever 200,000 lb/hr Mobile Feedwater System for the boiler equipment rental market! Capable of supplying 400 gpm from 400 - 800 psig, this system includes a deaerator with 4 feed pumps, 2 VFD drives, a duplex water softener, chemical feedsystem, and a PLC-based motor control center. Attendees of BOILER2024 had the opportunity to see this unit live in person, and here are some photos of the system for your viewing pleasure.



Special Thanks to our 2024
Golf Tournament Sponsors & Donors



THE NATIONWIDE BOILER
STEAMLINES

OFFICES LOCATED IN FREMONT, CA - VISALIA, CA - WASHOUGAL, WA - ALVIN, TX
EQUIPMENT & REPRESENTATIVES LOCATED NATIONWIDE

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