

Nationwide Boiler Inc.: *Innovative Leaders*

Five Decades of Firsts

1967: The mounting of a new 20,000 lb/hr watertube O type package boiler on a permanent, highway legal trailer signaled the start of an entirely new business on the West Coast.

1972: 24,000 lb/hr boiler mounted on a dedicated trailer.

1978: Nationwide network of sales and service representatives was assembled.

1980: Economizers (later branded as EconoStaks) are offered with each boiler rental to increase efficiency and provide an immediate cost savings in the cost of fuel.

1981: First 52,000 lb/hr trailer-mounted boiler was introduced.

1982: High-pressure 40,000 lb/hr, 650 psi, trailer-mounted boiler was introduced.

1985: Introduction of the first 60,000 lb/hr, trailer-mounted boiler.

1989: Introduction of high capacity mobile boiler rooms featuring firetube boilers in a range of sizes.

1990: "Used Package Boiler Condition Inspection System" was developed to assure buyers of the worth of used boilers.

1993: 120,000 lb/hr trailer-mounted package boilers were introduced, weighing over 123,000 lbs and measuring over 52 ft long. The world's largest mobile boiler.

1994: World's largest mobile feedwater system was designed, built, and put into service, able to process 300 gpm.

1995: Nationwide Boiler became the only company to convert its entire watertube rental fleet to low NOx levels of 30 ppm.

1995: First 9 ppm, low NOx, trailer-mounted boilers were introduced.

1997: Regional partnership companies were created, in conjunction with established boiler rental firms, to serve customers in each of the five major industrial markets in the U.S.

1998: High-capacity 650 hp mobile boiler rooms were introduced using X-ID tubes for 85% higher capacity.

1998: 75,000 lb/hr, high-pressure trailer-mounted boilers were added to the fleet in two models – 750° F superheat temperature and saturated steam conditions.

1999: First demonstration project of an SCR system for ultra low NOx performance.

2000: First 650 hp ultra low NOx mobile steam plant was introduced, signaling Nationwide Boiler's commitment to providing "green" products in the new millennium.

2001: New product announcement of the CataStak™ SCR system, proven to reduce NOx emissions to as low as 5 ppm.

2004: Introduction of the 82,500 lb/hr trailer-mounted boiler designed for 99.9 mmbtu/hr input to facilitate air permitting.

2007: Introduction of the E²Stak, providing high efficiency with low emissions in one complete package.

2008: Development of a new "smart" control system for NOx reduction on CataStak™ SCR systems.

2008: High efficiency, ultra low NOx boiler system completed, achieving 95% thermal efficiency and NOx emissions of less than 2.5 ppm.

2009: Nationwide Boiler is the first boiler rental and boiler systems supplier to launch a "Boiler Blog" for industry news and technical information on the world wide web.

2009: The CataStak™ SCR system's technology goes beyond package watertube boilers and is applied to firetube boilers, gas turbines, HRSG's, fired heaters and other demanding applications.

2011: Introduction of the Ammonia-free CataStak™-FT, utilizing Combustion Associates Inc. patented TRIM-NOX™ urea injection system.

2012: A new 33,070 lb/hr Babcock & Wilcox Model FM10 superheat natural gas fired package boiler supplied to a refinery located in Africa, expands Nationwide Boiler's global breadth. To date, Nationwide Boiler has provided boiler equipment to end-users located in six of the seven continents.

2013: Nationwide Boiler completes the first Ammonia-free CataStak™ for two package watertube boilers and installs a new CataStak™ for refinery fired heaters.

