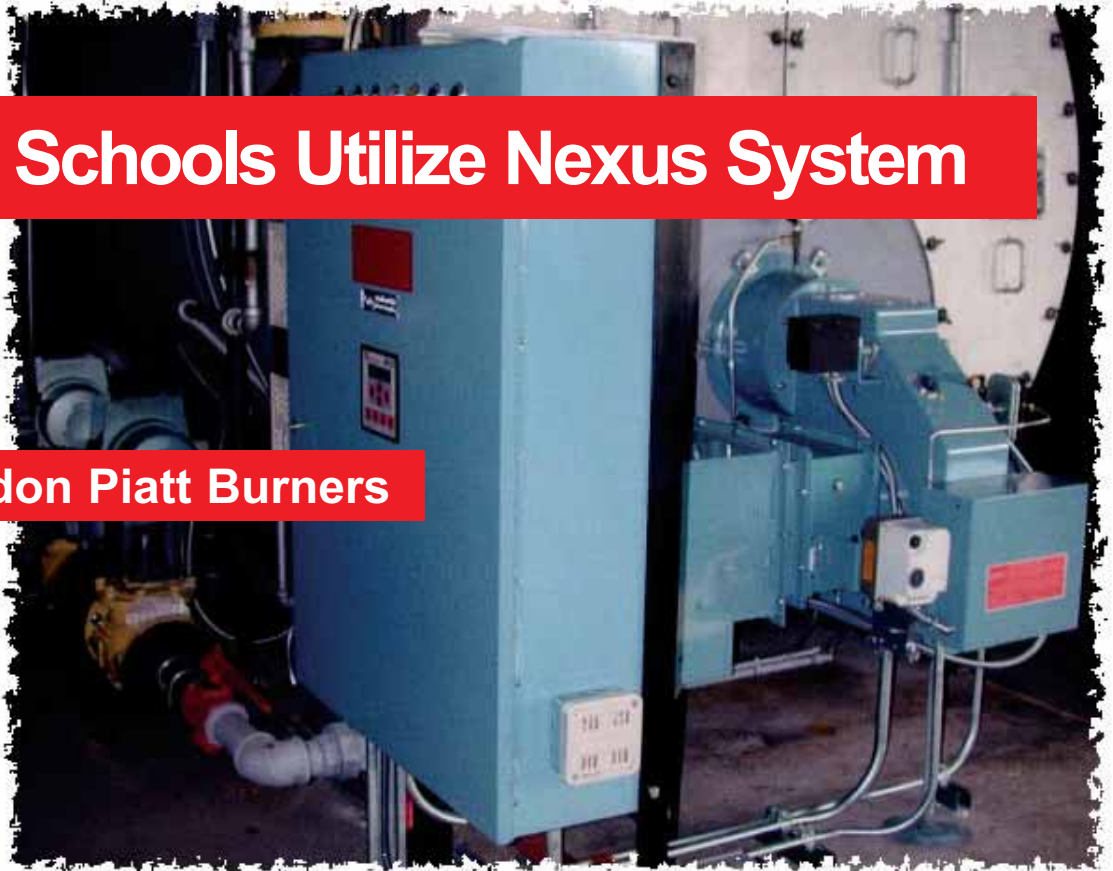


Detroit Schools Utilize Nexus System

with Gordon Piatt Burners



Four new Gordon Piatt gas burners were fitted at two schools in Detroit, MI to update their existing firing systems. Each of the burners was supplied pre-fitted with the Fireye Nexus control system. The Nexus system offers fully integrated control, providing burner management in one low cost package.

Nexus features precision fuel-air ratio control using independent positioning motors for each element. On the Gordon Piatt burners, Nexus positioning motors are used for modulating the gas valve, main air damper and air sleeve assembly to an accuracy of a tenth of a degree.



The systems were sold through the F.W. Starrett company. They also provided the full service, installation program and commissioning in partnership with D.T. Randall. D.T. Randall is the Fireye distributor in the Detroit area.

The Nexus system offers many attractive upgrade features such as O₂ trim, remote monitoring software and variable speed control.

One of the Detroit schools mentioned in this article is currently in the process of upgrading to the windows based software monitoring package.



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School Modernizes Burners with Energy Saving



Ben Franklin School, Rochester, NY

The Benjamin Franklin School in Rochester, NY recently upgraded three of its existing burners with the Fireye® Nexus PPC5000 control system.

The whole school had recently received a complete modernization to all of its plant. This, including a new boiler house installation, was provided by mechanical contractor O'Grady McCormick of Rochester.

Buckpitt & Co., the Fireye® Nexus authorized distributor (also of Rochester), carried out the retrofit of the PPC5000 systems. These were fitted to each of the three Gordon Piatt burners on the site to provide the school the latest in available control technology as well as energy savings.

The boilers are Donlee SPL-250 units, with a capacity of 8,370 lbs hour. Each is fitted with

Gordon Piatt S14.1-GO-75, dual fired burners. These fire natural gas with a no. 2 oil standby.

The Nexus PPC5000 systems offer high accuracy, independent positioning of fuel and air. This provides precise control

of the fuel to air ratio throughout the firing range. The controls also regulate the burner capacity to exactly meet the boiler demand, minimizing fuel use.

The complete system is further expanded by the on board lead-lag system. This accurately determines the number of boilers required to meet the building load at all times.



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New Bedford Schools Utilize

LINCOLN ELEMENTARY



Six Nexus integrated control systems were installed at three New Bedford, Massachusetts school sites.

The systems were fitted with six new Webster Cyclonetic burners to H.B.Smith, Westfield, MA, steam boilers. Each burner fires natural gas and No 2 Oil.

The complete package systems were supplied by Northland Corporation of Moodus, CT. Installation was carried out by R.J. Sanders of Providence, RI.



The Nexus system provides precision fuel air ratio control, integrated burner management, flame safeguard and accurate load regulation. Nexus also offers independent fuel air profiles for each fuel fired, allowing the schools to easily switch between gas and oil and achieve maximum efficiency at all times. This feature alone allows the schools to benefit from best fuel prices at the flick of a switch, with no compromise on efficiency.

Each school utilizes the on-board boiler sequencing package on the Nexus controllers to schedule the number of boilers in operation to exactly meet the building load.



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