

# newsrelease

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**RELEASE:**

Immediate

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## **NYSERDA Study Validates Energy Savings & Reduced Pollution With *IntelliCon*® Control Products from Intellidyne, LLC**

*Study documents energy savings of 13% and reduced pollution by as much as 47%*

Glen Cove, NY (April 23, 2007) – A study commissioned by The New York State Energy Research and Development Authority (NYSERDA) reports that the *IntelliCon*® control products manufactured by Intellidyne, LLC delivers energy savings and reduces pollution on heating and cooling systems.

NYSERDA, in conjunction with Brookhaven National Laboratories (BNL), conducted the research at thirteen field-test sites where boiler, air conditioning and refrigeration system performance could be evaluated with and without the *IntelliCon* product. The study provided comprehensive proof that Intellidyne controls significantly and measurably reduce energy consumption and air pollution after they are installed. A major portion of this study measured and documented quantifiable pollution reductions derived from using the *IntelliCon* equipment. Intellidyne products are safety-listed by the UL in the United States and Canada as “Energy Management Equipment.”

Findings from the study documented an average heating fuel savings of 13% and reduced oil-fired boiler pollution by as much as 47%. The data from the study also emphasized that user comfort is maintained with no noticeable difference. Data indicated that respondents felt as warm or as cool in the home or office setting as before, while realizing decreased energy costs and less pollution. Savings were achieved at a lower cost than other measures that may or may not net the same results.

Test results were measured in two ways. In the field, boiler, air conditioning and refrigeration applications were fitted with monitoring equipment and operated with and without *IntelliCon* technology. In addition, BNL performed laboratory measurements that studied the impact of the control on natural gas and fuel oil boiler air pollutant emissions.

Peter R. Smith, NYSERDA President and CEO, said, “From a fuel oil efficiency and air emissions perspective, these results are very encouraging. The results of this study of the *IntelliCon* control system can benefit customers, our environment and our New York economy.”

According to Jack Hammer, Founder and CEO, “We were elated, but not surprised, by the findings from this study, which provides clear evidence that the *IntelliCon* control products reduce energy consumption and systems cycles while saving energy dollars and significantly cutting pollution. The comprehensive report is available on our website and provides details and tables outlining the testing and the analysis of the results.”

Intellidyne’s patented *IntelliCon* technology reduces energy consumption by optimizing system performance through real-time ‘load-demand’ analysis and control. The *IntelliCon* controller continuously determines the optimum burner firing pattern while the unit is in operation. The burner cycle is modified, resulting in a more efficient use of the heating system, with subsequent reductions of energy consumption, wear and tear on the equipment, maintenance requirements, and pollution.

The controls are easily installed by a qualified technician and never require programming or seasonal adjustment. They are non-invasively and easily installed on most new or existing systems, without major rewiring, and will not void OEM manufacturer warranties.

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Intellidyne, LLC, is the market-leading developer and manufacturer of energy savings controls for commercial and residential heating, air conditioning and refrigeration applications that immediately reduce energy consumption by at least 10%. Intellidyne, founded in 1996, is privately held and located in Glen Cove, Long Island, New York. Already installed in thousands of government, commercial and residential buildings, its patented, proprietary, microprocessor-based product line is measurably reducing energy consumption, energy costs and pollution throughout the country. Intellidyne, LLC, may be found on the web at [www.intellidynellc.com](http://www.intellidynellc.com).

The New York State Energy Research and Development Authority (NYSERDA) was established by law in 1975 as a public benefits corporation. In 1998, the **New York Energy \$mart<sup>SM</sup>** program was created to continue energy efficiency, research and development, and environmental protection programs during the State's transition to electric retail competition. The program offers a wide range of consumer education and assistance programs to bring energy efficiency to homes, businesses, and industry. NYSERDA provides energy-related technical and financial packaging assistance to businesses and institutions to promote energy efficiency and economic development, as well as providing energy research and development programs that promote safe and economical energy production efficiency technologies in New York State. NYSERDA also analyzes the effect of New York's energy, regulatory and environmental policies on the State's business, institutional, and residential energy consumers. Visit [www.nyserda.org](http://www.nyserda.org)

Established in 1947 on Long Island, Upton, New York, Brookhaven National Laboratories is a multi-program national laboratory operated by Brookhaven Science Associates for the U.S. Department of Energy (DOE). Six Nobel Prizes have been awarded for discoveries made at the Lab.

Brookhaven National Laboratory's role for the DOE is to produce excellent science and advanced technology with the cooperation, support, and appropriate involvement of scientific and local communities.

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