

# case study



Looking for energy savings and improved boiler communications for remote buildings, the University of Western Ontario made an educated choice: **Honeywell ControLinks™**. The campus of the University of Western Ontario includes more than 80 buildings, most of which receive heat via steam from the main power plant generator. Ten additional boilers serve six residence

buildings. Working with Yorkland Controls, an Authorized Honeywell Distributor, the university utilized the Honeywell ControLinks Fuel Air Control System initially to generate energy savings at the satellite boilers. Even more, ControLinks enabled the university to incorporate these boilers into their main building automation system, adding still another level of efficiency.

## Honeywell

# Energy Savings Are Just The Beginning



## Centralized Control

ControlLinks puts an end to the inefficiencies of linkage systems by providing microprocessor-based fuel-air control, thus producing the energy savings that the University of Western Ontario was seeking. ControlLinks allows the fuel/air ratio of a burner to be adjusted independently, so the boilers for all six satellite buildings could be fine-tuned for maximum efficiency. But

for the university, the efficiencies gained went beyond energy savings, because ControlLinks allowed all of the boilers to tie-in with the university's building automation system. Using Modbus<sup>®</sup> programming, all ControlLinks information is available at the central control plant, eliminating the need for technicians or building managers to consistently visit each boiler to check performance.

## Return On Investment

The entire upgrade cost to the university was \$95,000, an investment that quickly paid off. In less than one year, the university saved more than 200,000 cubic meters of gas. The local utility company offered a rebate of five cents per cubic meter, resulting in a rebate of \$10,000. Add in the money saved through the reduced use of gas and the savings

total \$78,000, nearly paying back the initial investment in the first year.

Honeywell ControlLinks also saves money through reduced maintenance. Because ControlLinks features a higher turn-down ratio that allows a boiler to operate at a lower capacity when needed, starts and stops are reduced, leading to less equipment wear. And because the burner is fine-tuned for maximum performance, emissions are reduced as well.

## High Marks

Combining the reduced maintenance and reduced emissions with the significant energy savings made ControlLinks a winner for the University of Western Ontario. For its quick payback and ability to tie-in with the main building automation system, the university happily gives ControlLinks an A-plus.

## Learn More

For more information about the Honeywell ControlLinks Fuel Air Control System, contact your Honeywell representative, visit [customer.honeywell.com](http://customer.honeywell.com) or call 1-800-345-6770, ext. 423.

## Automation and Control Solutions

In the U.S.:  
Honeywell  
1985 Douglas Drive North  
Golden Valley, MN 55422-3992

In Canada:  
Honeywell Limited  
35 Dynamic Drive  
Toronto, Ontario M1V 4Z9  
[www.honeywell.com](http://www.honeywell.com)

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