



Welcome to  
**“Hydronic Energy Retrofits... Getting it Right!”**  
Featuring:



**Doug Mason, P. Eng.**  
Technical Sales  
Kildonan Energy Products



**Jerry Boulanger, A. Sc. T.**  
Technical Sales  
Axiom Industries Ltd



# Schedule of Events...

8:00 - 8:30am	Registration and Breakfast
8:30 - 8:45am	<b>Rick Gorka</b> - Welcome
8:45 - 9:30am	<b>Doug Mason</b> - Kildonan Energy Products
9:30 - 10:00am	Break and Trade Show
10:00 - 10:45am	<b>Jerry Boulanger</b> - Axiom Industries Ltd.
10:45 - 11:30am	Draw, Q&A & Trade Show

# 5150 Fairview Street, Burlington ON

## An Intelligent Building...

Lighting



Metering



HVAC



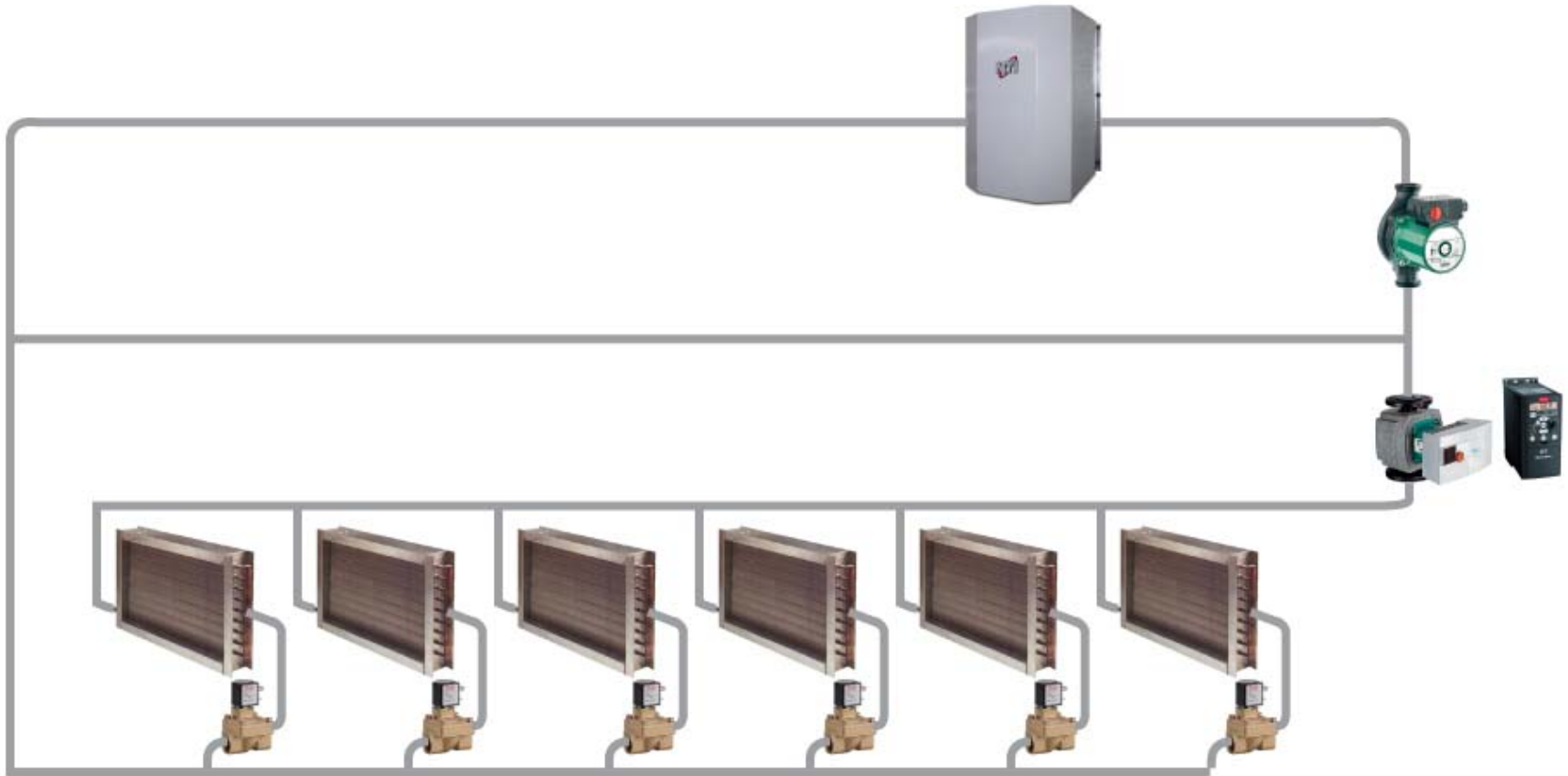
Card Access

Video



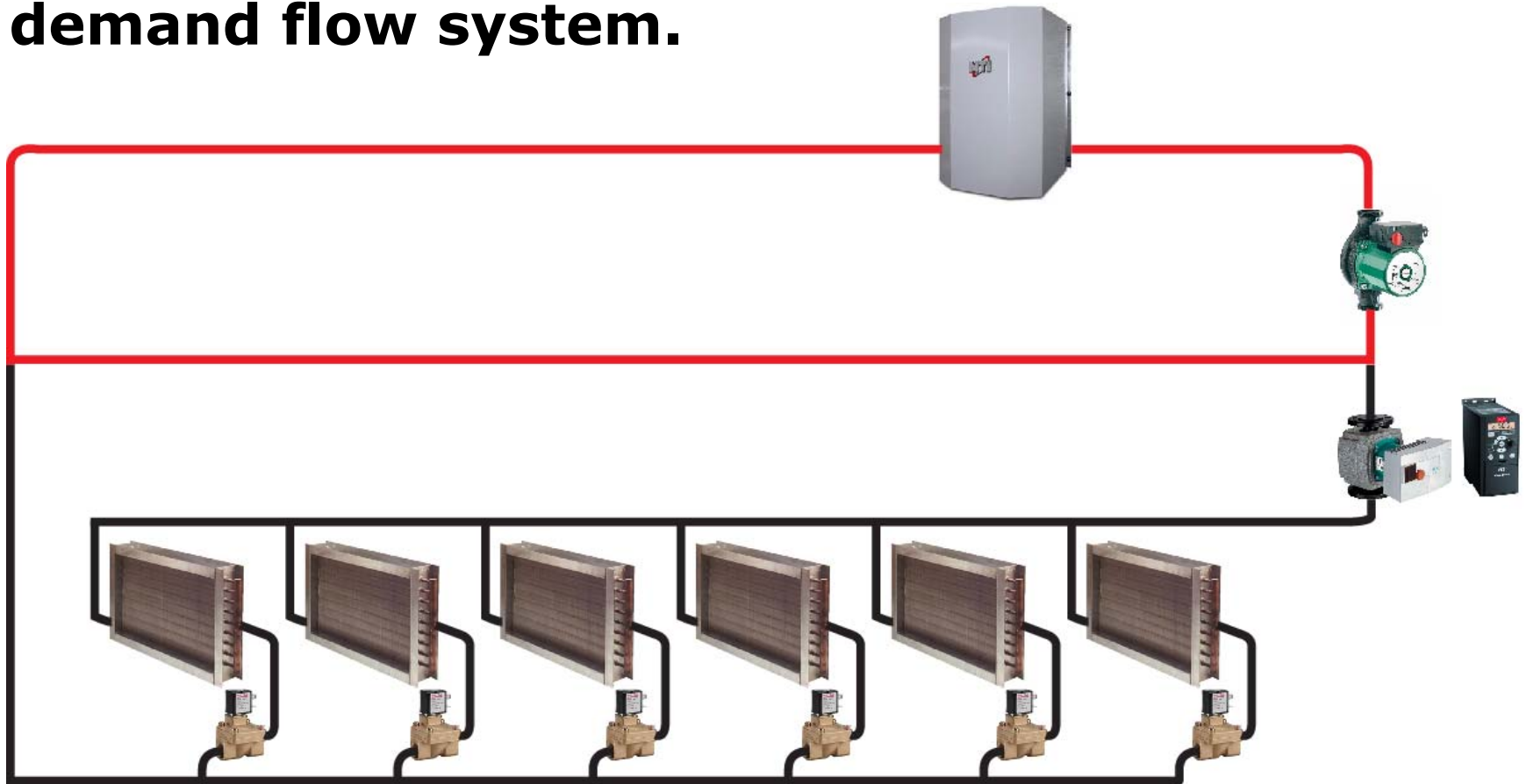
# Hydronic System Challenges

## Starting from a Hybrid VVT System.

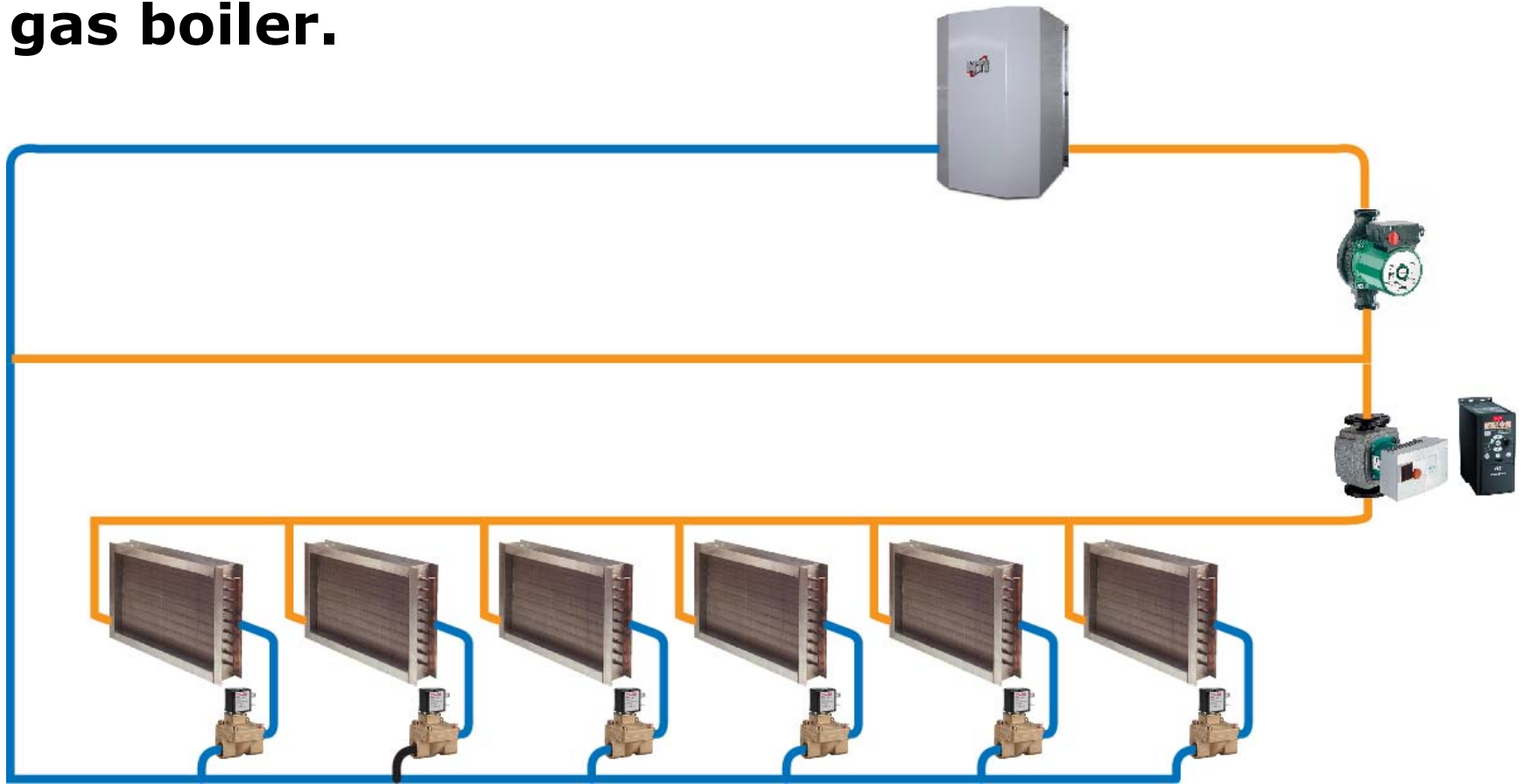


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# Hydronic System Challenge One: Maintain required flow through boiler with a demand flow system.

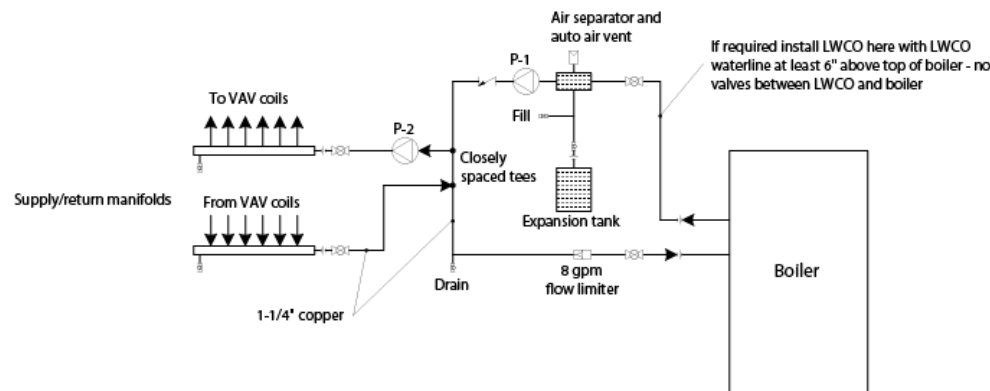
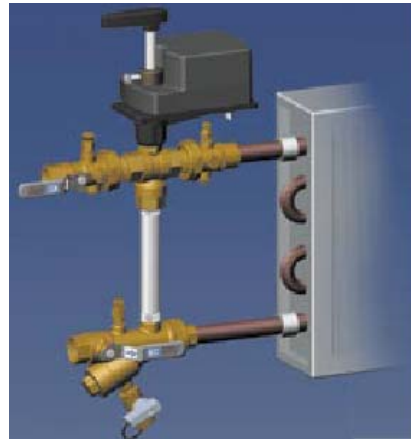


# Hydronic System Challenge Two: Maximizing the efficiency of the condensing gas boiler.



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# Hydronic System Challenge three: Minimizing installation costs and tenant disruption.



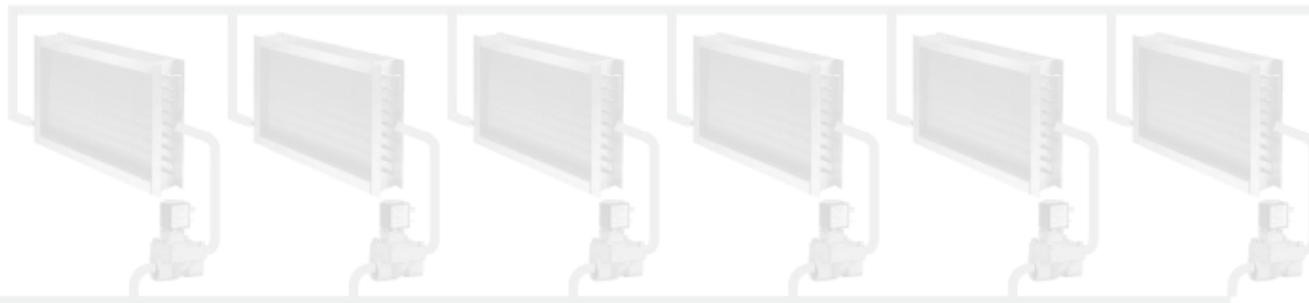
# Hydronic System Challenge Three: Coil sizing, and correction factors.

## Custom Sized Coils:

- Too large for restricted ceiling space
- Custom sheet metal fittings required
- Tenant disruption

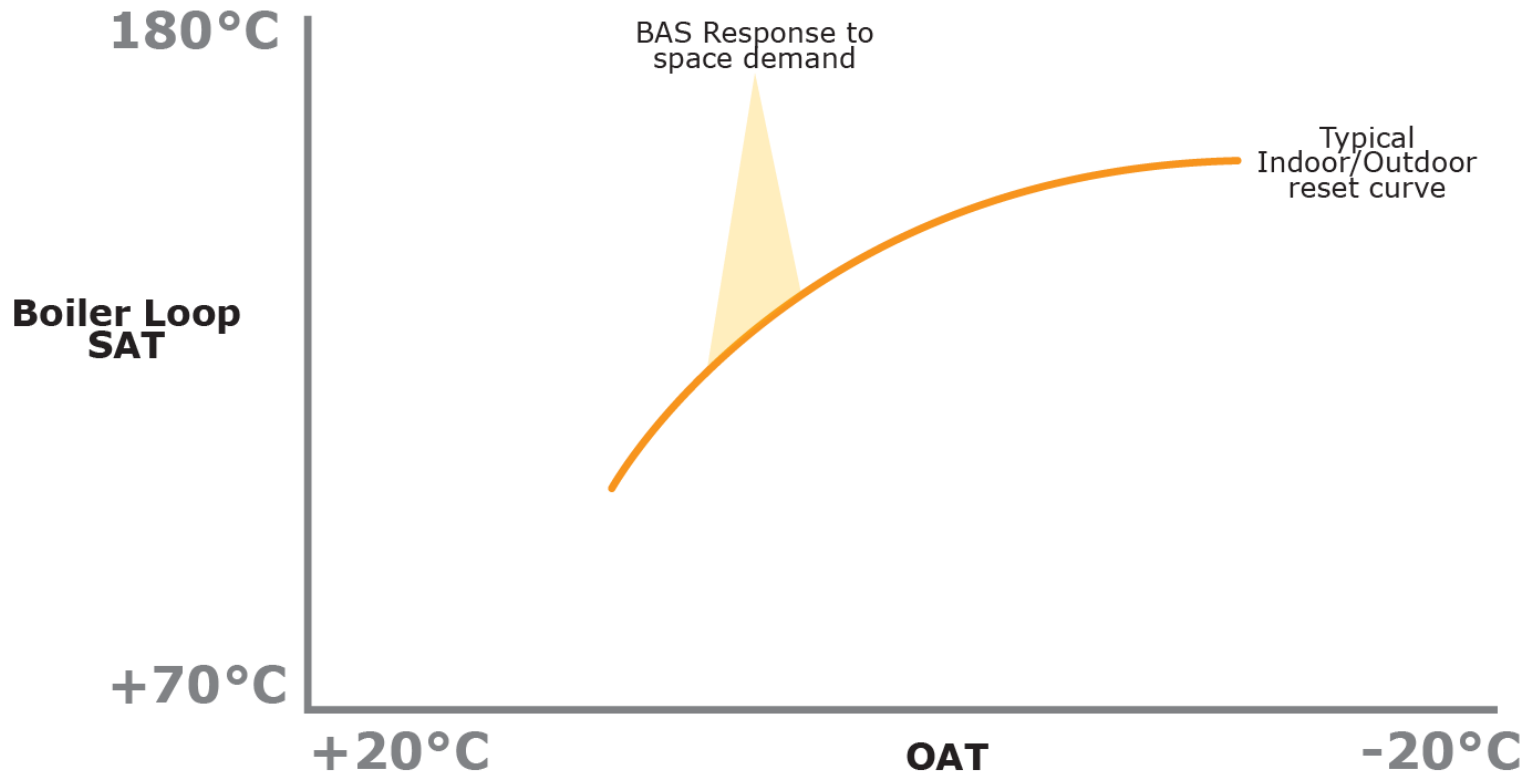
## Terminal Box – Optional 3-4 Row Coils:

- Higher pressure drop has a negative effect on Air Conditioning



# The BAS Breakthrough!!!

Provide hotter water on-demand via BAS.



AND NOW!

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