

Bonded Energy Solutions presents:

Smart Buildings

Dumbed Down to Proactive Building Management

***Presented by:
Jerritt Gluck, Founder & CEO***



Here's the problem...

OBSOLESCENCE

DISCONTINUED

- **Old Technology** Is newer better?
- **Lack** of information to act on – the tenant calls to say “there is no heat”
- **It still works...**so why get rid of it ?
kick the can down the road but how far?
- **If it ain't broke...**
- **When is your equipment OBSOLETE?**



Who has the problem?

or as you may have asked yourself at some point...

Repair or Replace

- 65% of Heated Buildings in NYC are still using steam as a source for heat
- 15% of Heated Buildings Worldwide
- US: 2.5 million steam heated¹
 \$55 billion market in US

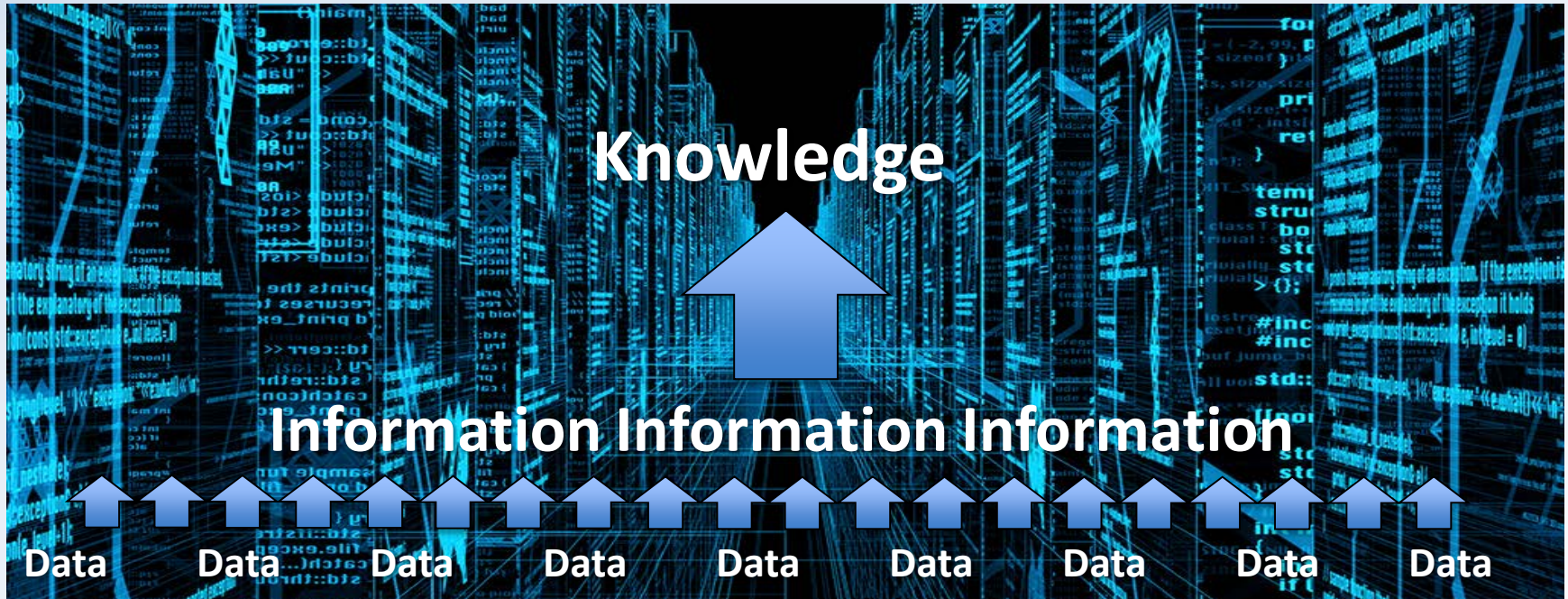


So how long is my equipment meant to last?

- Furnaces for forced-air systems last an average of 15-20 years*
- Hot water boilers last 13 – 21 years*
- Remember that a 25- or even 30-year-old system that's been maintained may still work fine.

What to Do?

Bring old equipment into the 21st Century



Internet connectivity...

Knowledge...

Power...

= Profits

Bonded Energy's Solution...



Unique login



Operations Data



Knowledge



Energy Management Systems



Power to make Decisions



Profits

Current options:

	Bonded Energy Solutions	US Energy	HeatTimer	Radiator Labs
<i>Fuel consumption monitoring*</i>		✓	✓	✓
<i>Energy management system*</i>		✓	✓	✓
<i>Create heating zones*</i>				✓
<i>Equipment failure tracking*</i>				
<i>Recessed radiator control*</i>				
<i>Legacy compatible*</i>				✓

*Based on U.S. Department of Energy's Building America Program device evaluation criteria

Bonded's solution...

	Bonded Energy Solutions	US Energy	HeatTimer	Radiator Labs
<i>Fuel consumption monitoring*</i>	✓	✓	✓	✓
<i>Energy management system*</i>	✓	✓	✓	✓
<i>Create heating zones*</i>	✓			✓
<i>Equipment failure tracking*</i>	✓			
<i>Recessed radiator control*</i>	✓			
<i>Legacy compatible*</i>	✓			

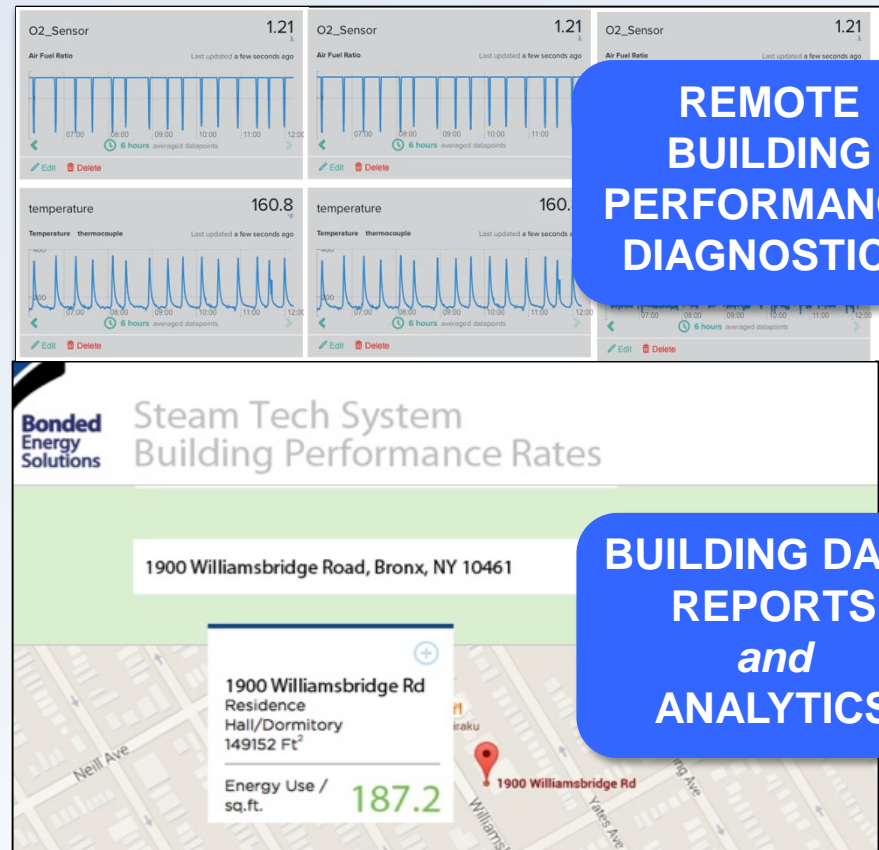
*Based on U.S. Department of Energy's Building America Program device evaluation criteria

Bonded Energy delivers solutions



Using
software...
hardware...
& the cloud...

to provide system integration



**REMOTE
BUILDING
PERFORMANCE
DIAGNOSTICS**

**BUILDING DATA,
REPORTS
and
ANALYTICS**

...from the boiler room to the the C Suite...
Actionable information at your fingertips

Emissions Reduced by 20%+

**Annual Greenhouse
Gas Emissions:**

**EQUIVALENT
TO 71 CARS**



**EQUIVALENT
TO 57 CARS**

**Annual CO₂
Emissions:**

**EQUIVALENT
TO 38,000
GALLONS OF
GASOLINE**



**EQUIVALENT
TO 30,000
GALLONS OF
GASOLINE**

**Introducing
Strategic Asset
Management**

Before

After

Proactive, Predictive Monitoring & Control

- **In yr1, ~2,000 cars,**
- **Over the next five years...~32,000 cars.**

Emissions Reduced by 20%+



The EPA & The Clean Air Act



Compatibility and the future – Open API

Conclusion

Retrofitting is the answer!

Existing Buildings lack “Eyes on the Equipment”,
are Costly to Operate, Negatively Impact the
Environment, and are Inefficient

Building owners are frustrated and so are residents!

Bonded Energy Solutions Experts in Existing System Integration

Bonded Energy Solutions Corp.

Innovation Forum at the Long Island High Tech Incubator

25 Health Sciences Drive, Suite 103

Stony Brook, NY 11790

www.bondedenergysolutions.com

