

iBOS[®]
energy

**ENERGY
SAVINGS
ARE JUST THE
BEGINNING.**

iBOS[®] is Artificial Intelligence for real-time HVAC efficiency.

WORK SMARTER, NOT HARDER.

iBOS® brings Artificial Intelligence to your building automation system. Using real-time data, 5-day weather forecasts and building thermodynamics, iBOS® proactively optimizes existing HVAC systems to deliver the greatest energy efficiency possible. Thinking ahead? That's smart.

“

Lowering our HVAC operating cost and providing a stable indoor temperature is extremely important to our existing and prospective clients.”

Pat Poirier, Manager of Engineering & Sustainability,
Crombie REIT

DON'T CALL US A START-UP.

iBOS® was first commercially installed in 2008, but its technology is based on extensive research dating back to the 1970s from the KTH Royal Institute of Technology in Stockholm, Sweden. KTH's early research demonstrated the importance of a holistic approach to regulating indoor climate by taking advantage of a building's thermodynamic properties – AKA utilizing the heat emitted by machines and people that is naturally stored in the building. This had the potential to simplify building controls and temperature regulation while also reducing the frequency and necessity of system interventions.

In the 1970s, collecting and processing the amount of data necessary to regulate a building wasn't easy. High costs, lack of sensor technology and low computing power put a stop to a practical rollout of KTH's original research findings. But thanks to today's stable wireless technology, these barriers no longer exist – after all, a standard cell phone today has more computing power than what was available to a whole research team in the 1970s!

With wireless costs decreasing and installation technology becoming more sophisticated, Ecopilot's modern Artificial Intelligence has helped make building thermodynamics an accessible solution for those in search of a smarter building. Since its first commercial installation in 2008, iBOS® now boasts over 1,400 installations in Sweden, Germany, Norway, Switzerland, Denmark, the UK and Canada.

NO BLIPS TO YOUR BUSINESS.

iBOS® installation is non-evasive, with no disruption to your day-to-day business operations. During the process, our team of technicians will deliver all the training, advice and support your organization needs to ensure everything functions perfectly. Each project is managed by a dedicated Project Manager and an Energy Efficiency Expert who will oversee the installation and management of iBOS®.

“ For us, this project has been one of the easiest to implement, with the “best ROI. From the minute iBOS® was turned on, it was able to identify several issues within the building we were not aware of, and that in itself delivered significant operational savings to us.”

Pat Poirier, Manager of Engineering & Sustainability, Crombie REIT

IT'S LIKE RECOMMISSIONING EVERY TWO MINUTES.

iBOS® technology consists of three parts:

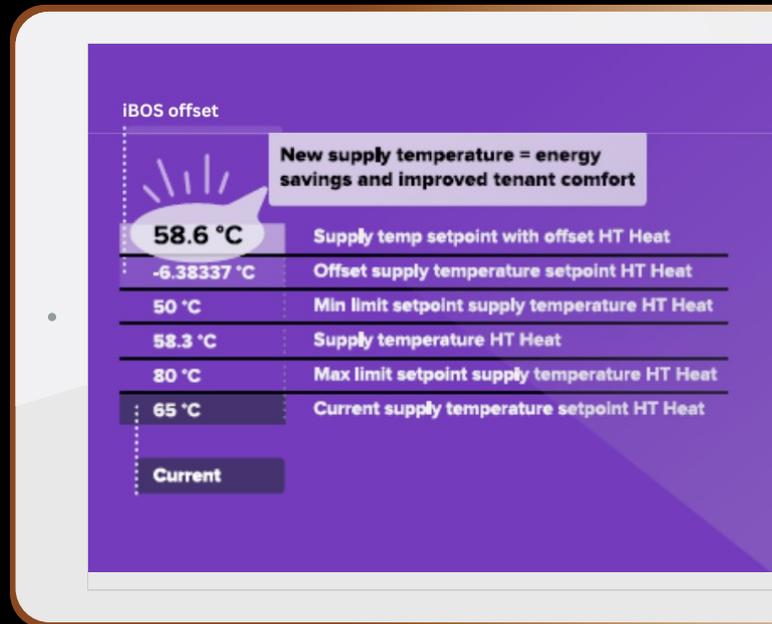


1. iBOS® MAIN UNIT

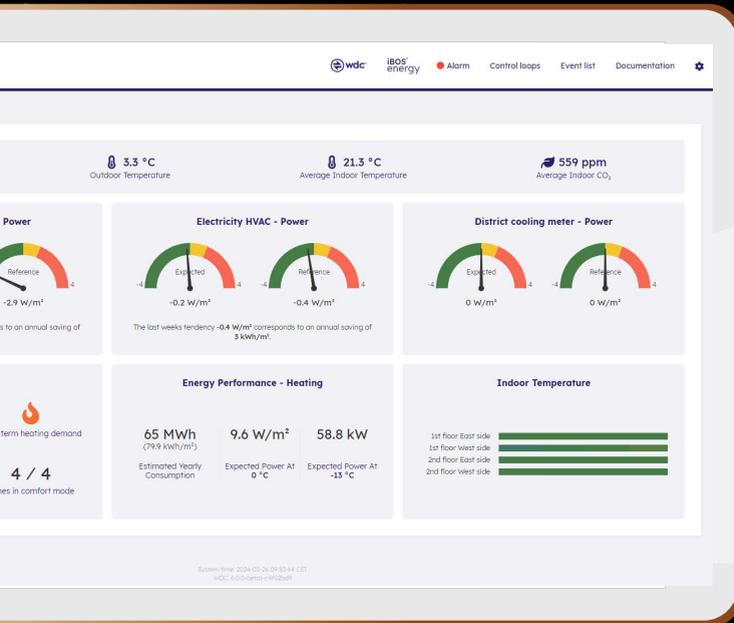
The iBOS® Main Unit will interface directly with your existing building automation system. The Main Unit doesn't replace the BAS, it works with it to achieve desired results with less energy expenditure and fluctuations in temperature.

2. iBOS[®] SOFTWARE

Once the Main Unit integrates with your existing BAS, iBOS[®] Software goes to work finding your building's "balance point temperature". Artificial Intelligence determines that number through real-time indoor data, 5-day weather forecasts and your building's unique capacity for thermal mass. iBOS[®] continuously calculates the energy balance between these factors, automatically adjusting set points for heating, cooling and ventilation every two minutes.



3. iBOS® ANALYSIS TOOL



Your team can view the real-time impact iBOS® has on your operations with the Analysis Tool. This 24/7 online dashboard helps building operators analyze the efficiency of your existing BAS with a suite of essential data and interactive illustrations. iBOS® is a powerful tool for identifying imbalances, system failures and flaws in the connected heating/cooling systems. It even provides a prioritization plan based on the measures' profitability. Savings are available in real-time and historical data can be reviewed for the entire life of the system.

“

iBOS® has enabled us to focus the attention of contractors to specific tasks therefore avoiding unnecessary costs to Parexel associated with making physical investigations.”

Martin Eastwood, Managing Director, Belmar Services

WE'LL PUT OUR MONEY WHERE OUR MOUTH IS.

- ✓ **NO UPFRONT INSTALL COSTS**
- ✓ **ONLY PAY WHAT YOU SAVE**
- ✓ **UP TO 40% IN HVAC SAVINGS**
- ✓ **AVERAGE ROI OF 3 YEARS**
- ✓ **SLASHED CO₂ EMISSIONS**
- ✓ **IMPROVED INDOOR CLIMATE**

**BOOK
YOUR
FREE
ASSESSMENT.**

Ask how much you could be saving
with iBOS®.

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