FrostFire

frostfire.ca

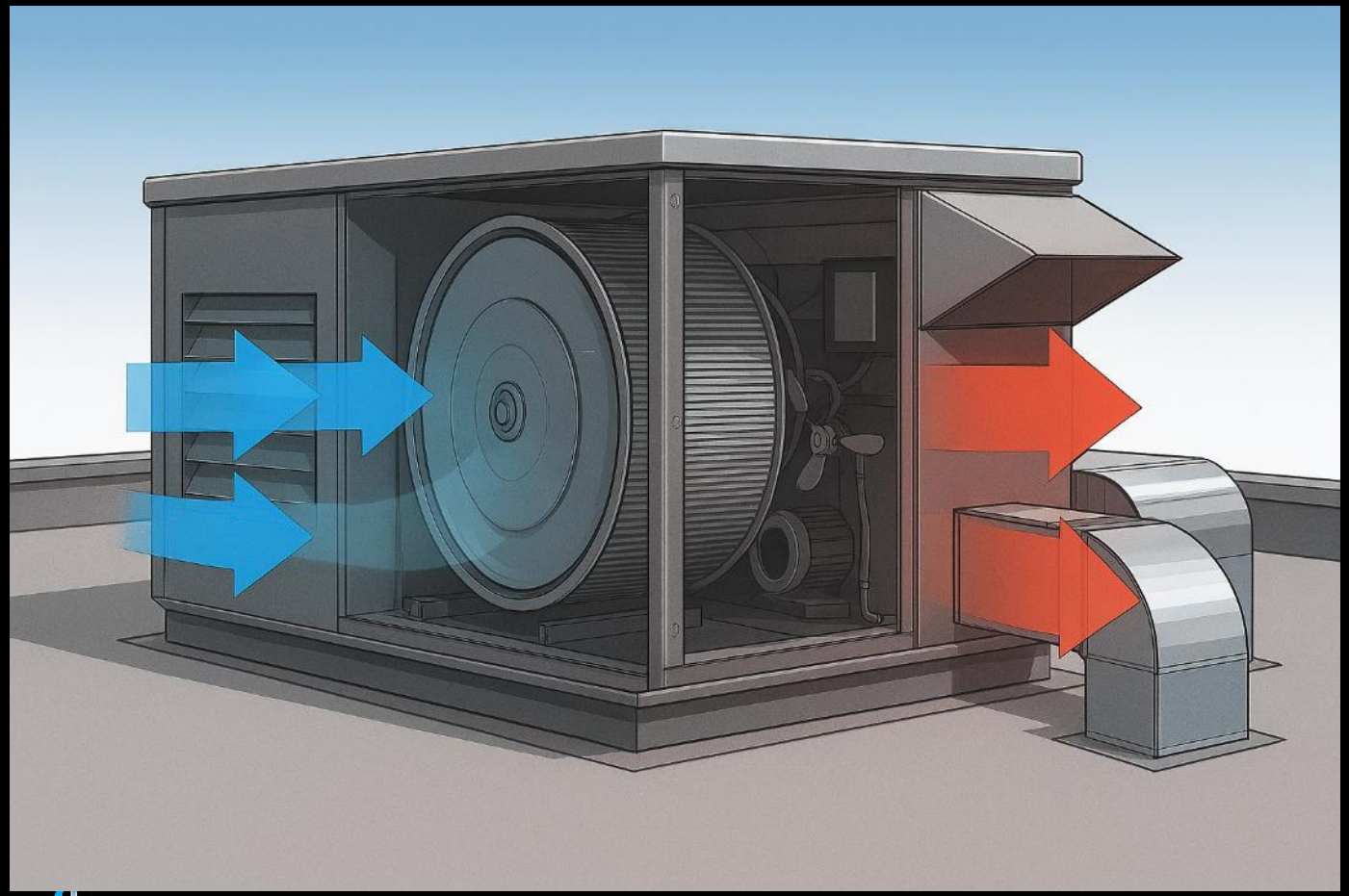
Wayne Kavanagh

DYNAMIC AIR VOLUME CORRECTION TECHNOLOGY

Key Benefits:

- Reduced natural gas, electricity and carbon taxes.
- Reduced Emissions
- Enhanced performance
- Reduce CO introduced into the building
- Prevent Frozen Pipes

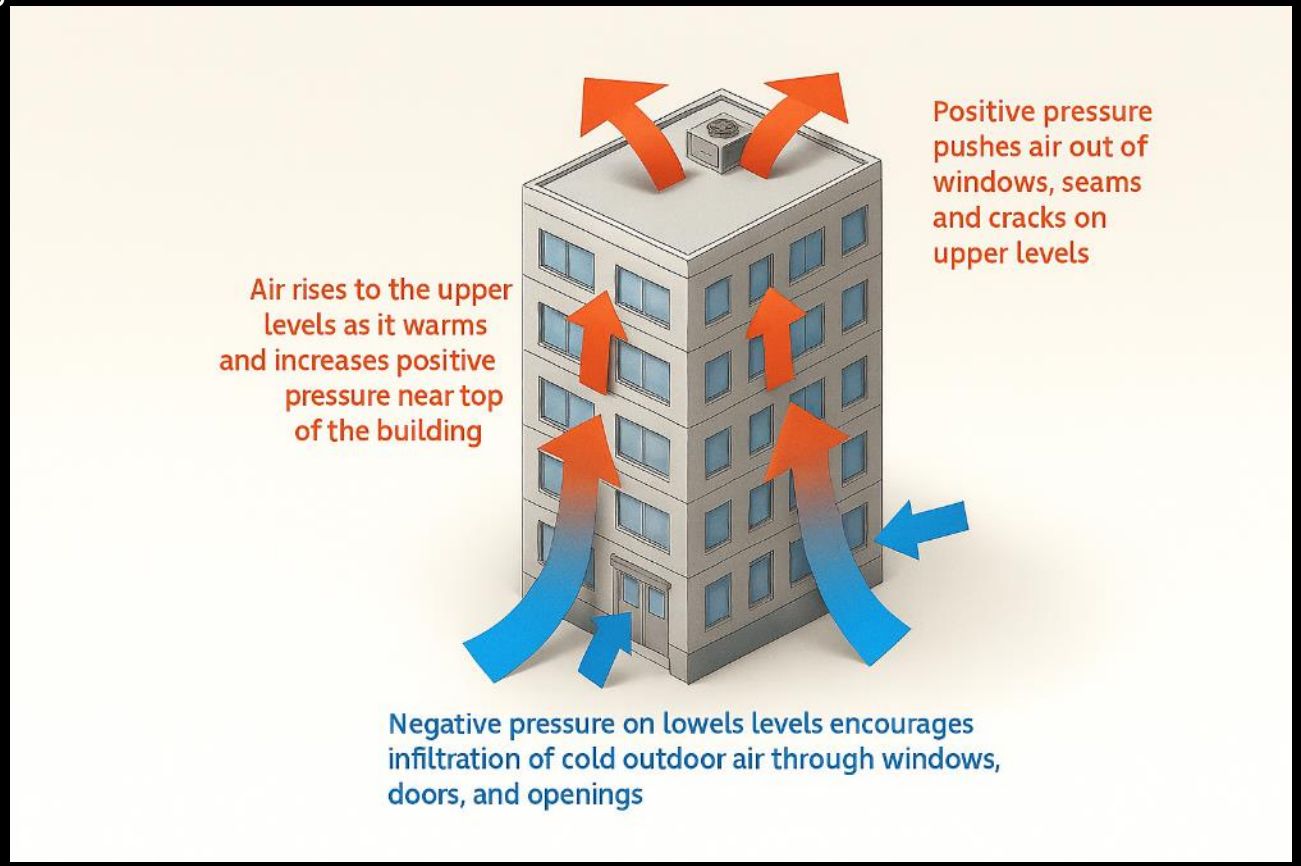
HVAC MAKE UP AIR UNIT



- Patent pending turnkey retrofit that works with existing equipment
- The existing equipment is upgraded to exceed the specifications of the original design
- Dynamic Air Volume Correction technology constantly makes calculations to deliver the correct design specific volume all year round.

THE CURRENT PROCESS

- Maintains the Building Envelope
- Creates a slightly positive pressure in the common areas preventing pipes from freezing on the lower levels



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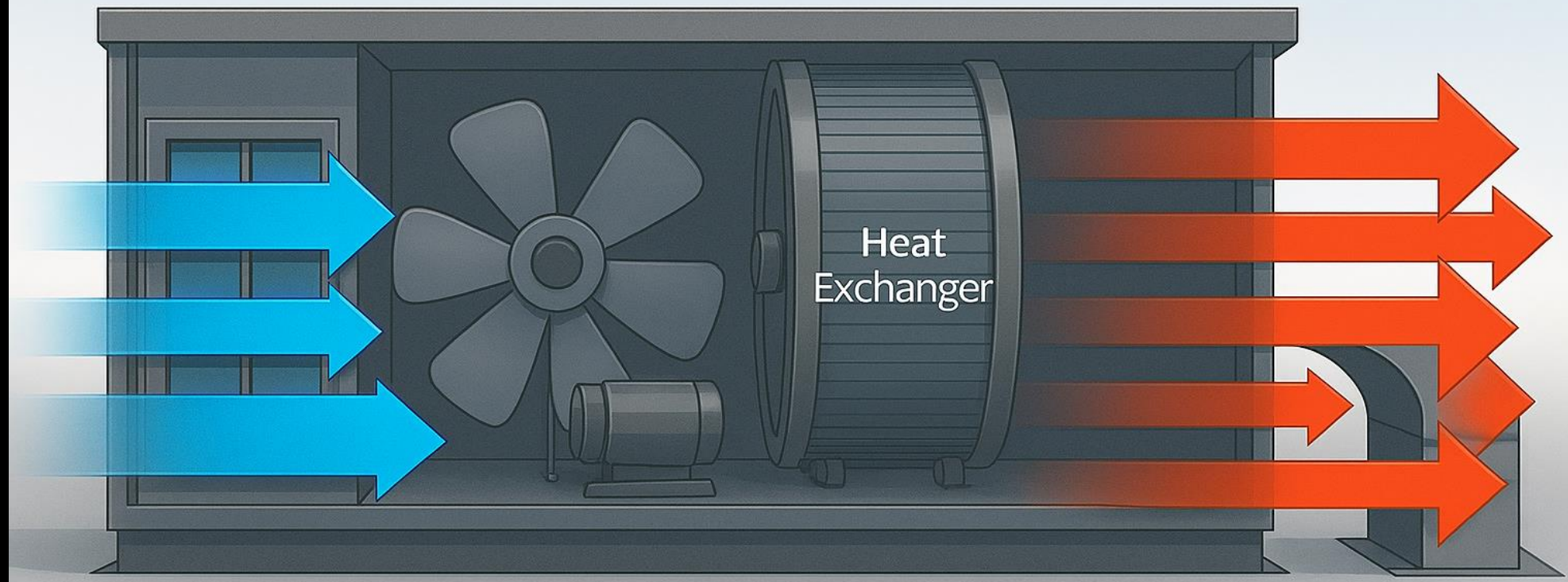
STATIC & DYNAMIC PRESSURE



As the outdoor temperatures drop Make up Air units overdeliver air using more natural gas and more electricity than required.

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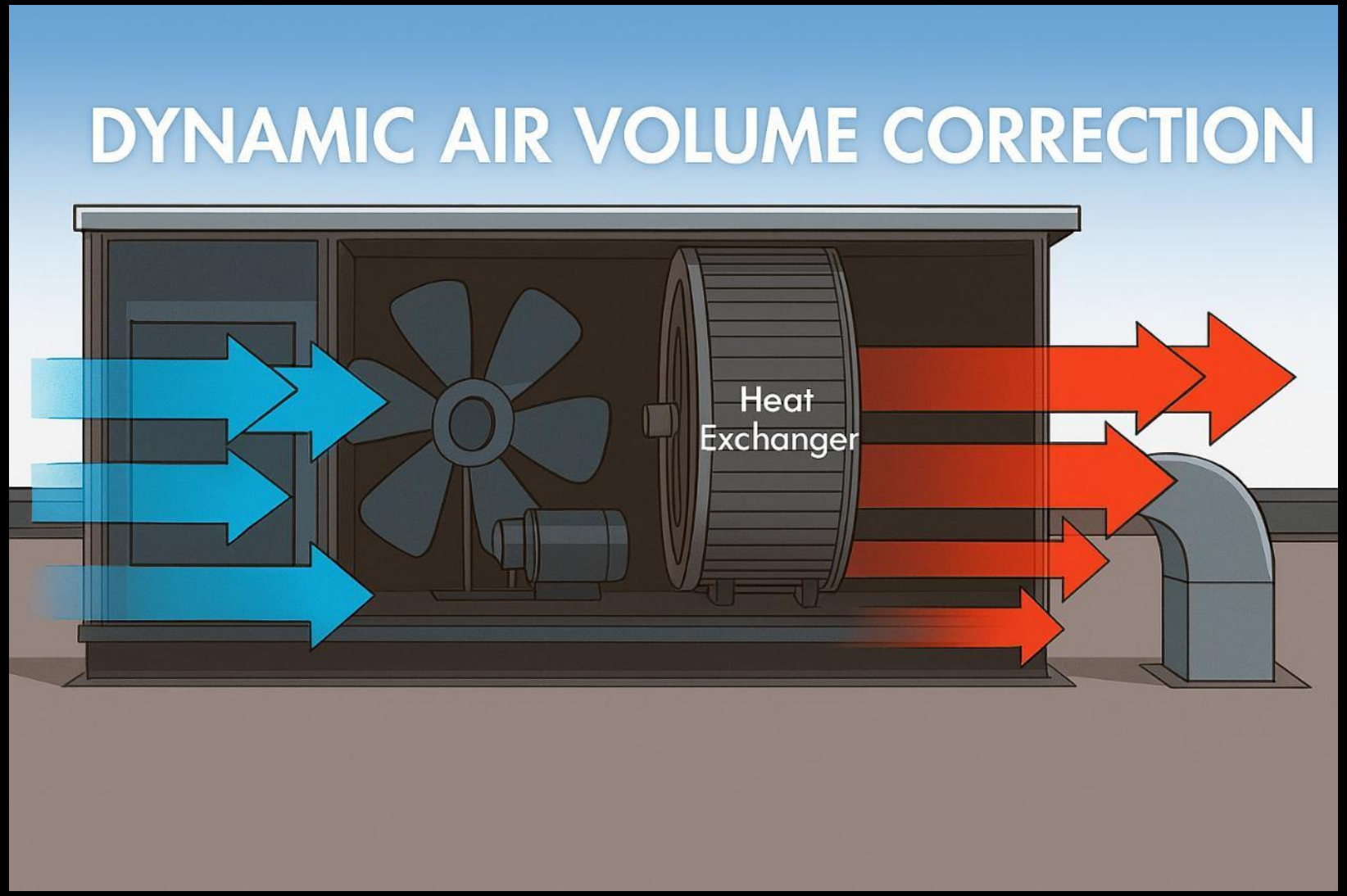
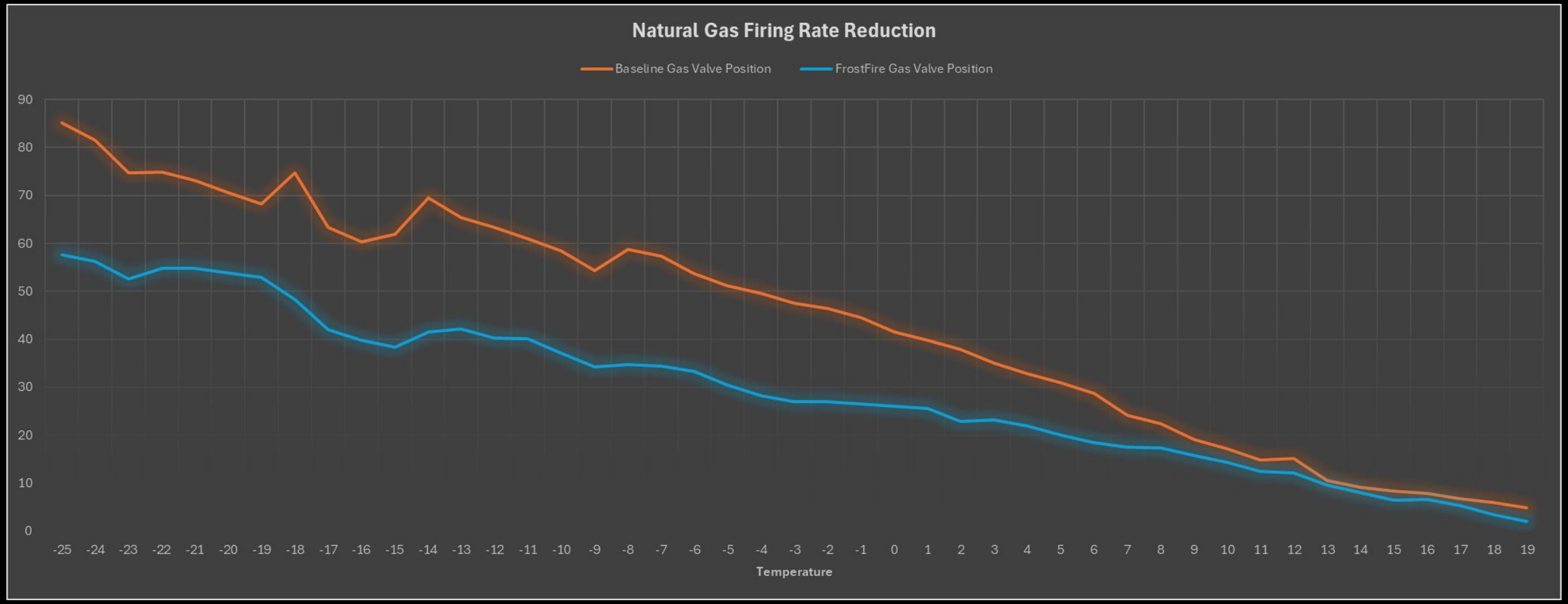
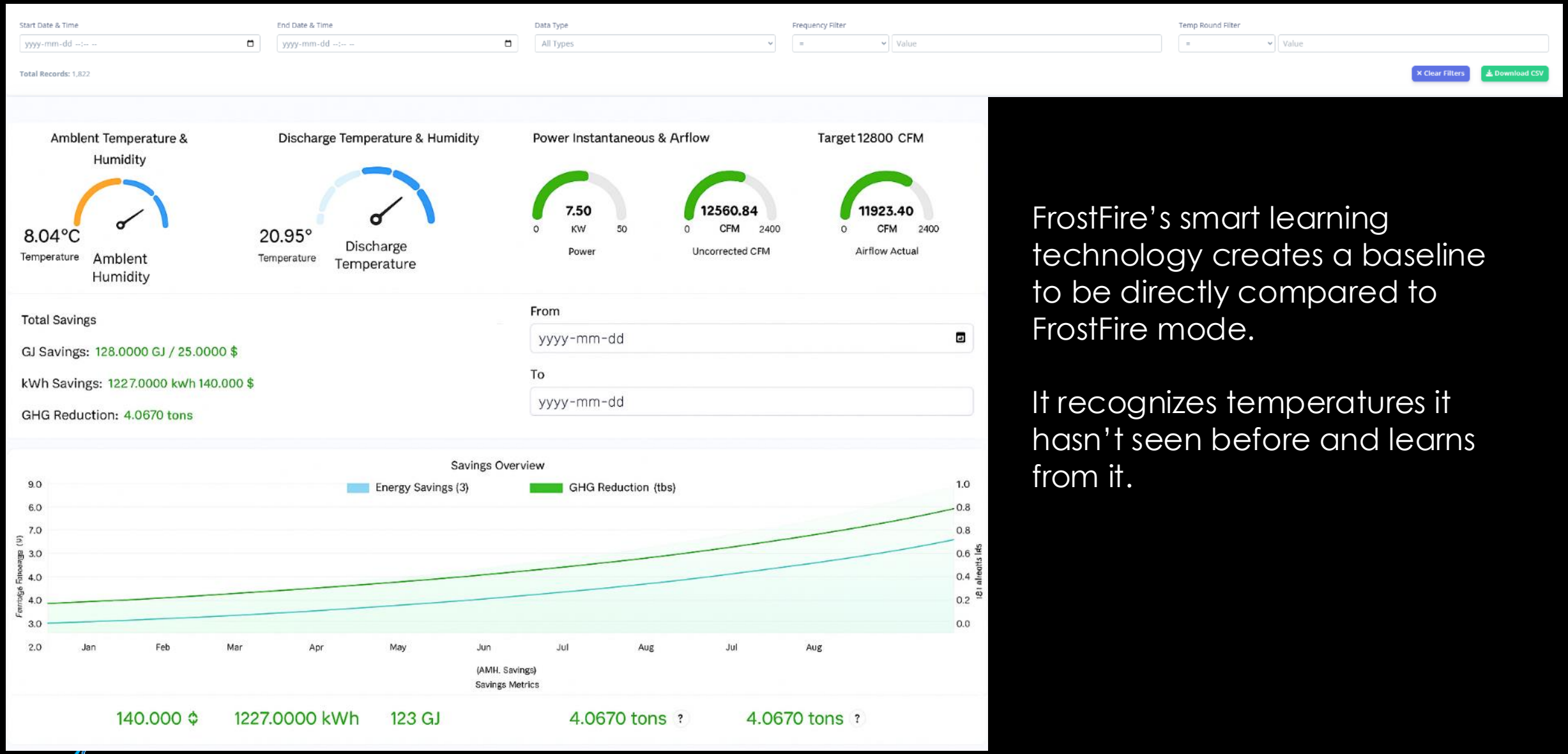
THE SOLUTION:

FrostFire's retrofit technology offers cost-effective and precise performance by continuously regulating the air volume flowing over the heat exchanger, ensuring a steady airflow output while reducing natural gas and electricity consumption.




Natural Gas Firing Rate Reduction
Baseline Gas Valve Position
FrostFire Gas Valve Position
90
80
70
60
50
40
30
20
10
0
-25 -24 -23 -22 -21 -20 -19 -18 -17 -16 -15 -14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Temperature

Software Data logging and analysis tool



FrostFire's smart learning technology creates a baseline to be directly compared to FrostFire mode.

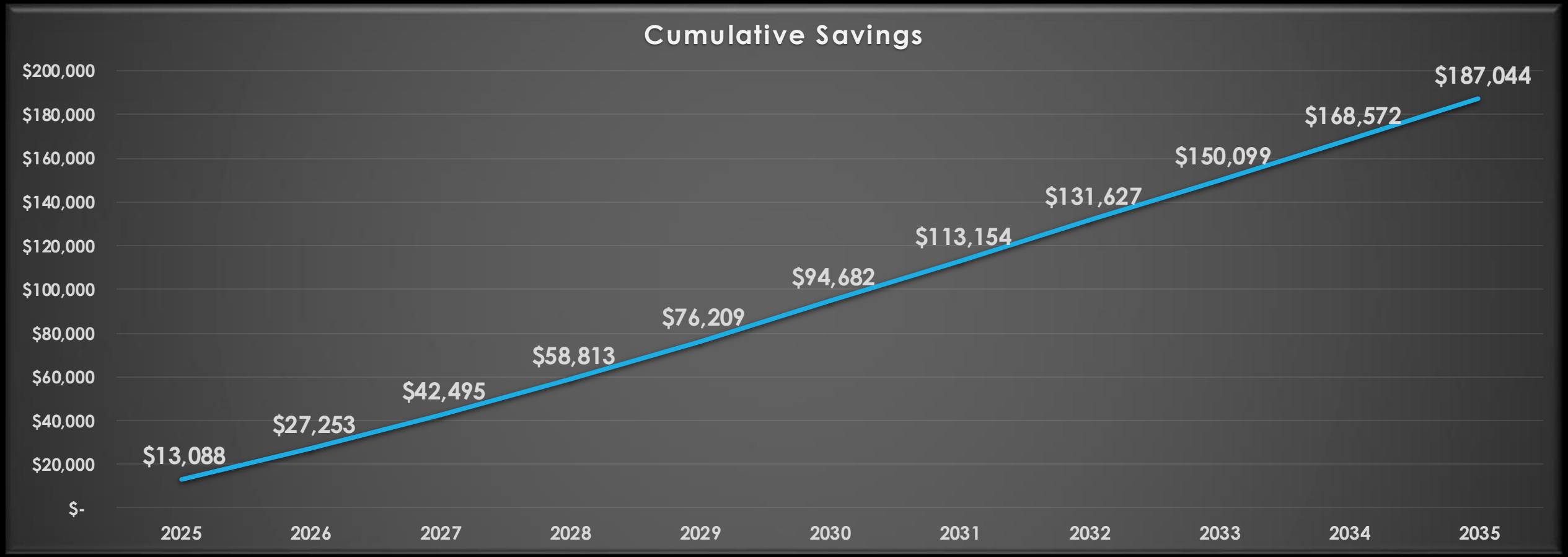
It recognizes temperatures it hasn't seen before and learns from it.

APPLICATIONS

Other technologies struggle when the demand is highest.

When everything else has failed, FrostFire Technology is performing at its absolute best!

INVESTMENT



- Typical payback period is 2.5 years with a ROI of over 500% over 10 years.

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