

# RECLAIM YOUR ENERGY. BOOST YOUR BOTTOM LINE.

HIGH-EFFICIENCY HEAT RECOVERY SOLUTIONS



**Discover How ENERVEX  
Heat Recovery Solutions  
Slash Carbon Emissions  
and Deliver Incredible ROI**



Simple. Seamless. Smart.

**ENERVEX®**  
VENTING DESIGN SOLUTIONS



# BENEFITS

- **Substantial Energy Savings**  
Recovering lost heat can reduce annual energy consumption by up to 30%.
- **Significant Reduction of Carbon Emissions**  
Our heat recovery systems capture and repurpose waste heat, leading to energy savings and carbon reduction.
- **Improved System Performance**  
Precise control of airflow and optimization of the combustion process enhance overall heating system performance and efficiency.
- **Short Payback**  
A well-designed heat recovery system can pay for itself in as little as a few months to a few years, a fraction of the lifecycle of most industrial equipment.
- **Long-Term Cost Benefits**  
After the short payback period, you will continue to reap pure savings year after year.

# FEATURES

- **A Heat Recovery System for Any Application**  
We custom design and build solutions from a wide selection of existing heat recovery options to fit specific applications.
- **Easy Installation**  
Our solutions are pre-tested and prepackaged for easy integration on the job site.
- **Energy Efficient**  
Our systems are designed to maximize energy savings.
- **Proven Performance:**  
We provide energy-saving calculations and estimates based on rigorous testing and years of experience.

# ADVANTAGES

- **Unmatched Expertise**  
With a deep engineering heritage in heat recovery technologies and expertise in designing and building exhaust solutions, we are second to none.
- **One-Stop Solution**  
As a partner, we handle engineering, manufacturing, project management, commissioning, and service support.
- **Durability and Reliability**  
Our solutions are known for their long-term reliability, backed by years of experience.



# ENERVEX

## – WE DO THE HARD WORK FOR YOU

When you partner with ENERVEX, you partner with a manufacturer but also with an engineer, project manager, installer, commissioner and – a ONE-STOP SOLUTION with a single point of responsibility.

### CONSULTATION

After reviewing the current or planned project, we provide insight for what's possible including estimated calculations for cost, energy and CO2 savings. We can assist in searching for local grants or incentive programs to minimize the ROI.



### DESIGN

We create the initial design and layout for review and develop specifications to meet all site constraints. A Bill of Material and list of custom components is created. Finally we provide 2D/3D drawings for installation and if required REVIT drawings to facilitate clash detection. Optionally, we use Computerized Fluid Dynamics (CFD) to optimize the exhaust flow and prevent adverse effects. This is all proprietary in nature.



### MANUFACTURING

ENERVEX builds and supplies all the major products and components for the project. Our systems are of a modular design where everything fits together to reduce lead-time and installation time. This avoids project delays.



### INSTALLATION

Installation is performed by a third party, local contractor(s) based on our instructions and recommendations.

We finally perform the commissioning of the system and document final calibration and fine-tuning.

# CORE PRODUCT & TECHNOLOGY HIGHLIGHTS

ENERVEX designs and manufactures solutions in house based on decades of experience.

## THE COMPONENTS INCLUDE:

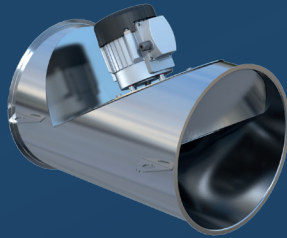
### HEAT RECOVERY UNITS

Highly efficient heat exchangers that recover waste heat from exhaust flue gases or other heating processes. Reduces both fuel consumption and greenhouse gas emissions dramatically.



### EXHAUST FANS & SYSTEMS

Advanced exhaust fans, exhaust solutions, and components designed to work seamlessly with existing or new systems. Creates a stable, reliable, and safe environment while optimizing energy usage.



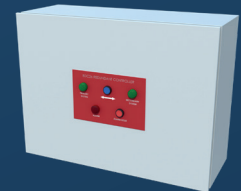
### MODULATING EXHAUST SYSTEMS

Smart control of exhaust from processes and boiler flue draft, ensuring optimal airflow. Maximizes combustion efficiency and helps maintain consistent system performance.



### MONITORING & CONTROL SOLUTIONS

Integrated control panels and software that monitor performance, detect inefficiencies, and maintain system health. Real-time analytics ensure you're always operating at peak efficiency.



## REFERENCE JOBS



### SOUTHEAST BAKERY

A compact heat recovery solution was installed on a 4-zone tunnel oven. The heat recovery system used waste heat from the baking process to generate hot water for a pan washing system. This generated annual savings close to \$30,000 and had an ROI of less than 3 years



### MONCTON HOSPITAL

The heat recovery solution provided conserves energy and minimized waste by increasing the steam boiler operating efficiency from 84% to 90%, resulting in savings of up to 7.4 Mill. BTU/HR. amounting to \$450,000 in annual fuel savings.



### OLYMPIC STADIUM MONTREAL

The large flue gas heat recovery system from ENERVEX on the stack of the primary boiler boosted the boiler's efficiency to 89% and recovers 4,300MBH of energy off a single 45,000MBH boiler.



### CALIFORNIA DAIRY

The integrated, high-efficiency waste heat recovery solution for a steam boiler maximized BTU recovery, translating to annual energy savings of \$37,463 and an ROI of 2.6 years.