



## ***RESULTS AND YOUR ROI !***

The opportunities for reduced energy, equipment and maintenance costs with improved desired commercial conditions and comfort should be apparent from the web site video.

- Box Buildings
- Food Processing Plants
- Manufacturing Plants
- People Places of all sorts

Each building has it's own unique characteristics influenced by

- geographic location
- size
- contents
- construction
- unique details (sky lights / windows / shipping - receiving door /

When all is now considered and the simplicity understood the potential exists and has been demonstrated that the building can maintain a desired temperature with cycling only and as a result energy use is reduced to insignificance—"The Real Green Opportunity"

Cost - varies somewhat but as a general guide line for retrofit

- SYSTEM -1 COENCO AIR MOVER™ per 10,000 sq ft
- 1 Coenco Controller
- 1 People Pleaser where indicated 1 per 15,000 sq ft
- Heating when indicated -200,000 BTU PER 40,000 SQ FT
- Air Conditioning 5 tons per 25,000 to 35,000 sq ft
- A Roof Surface not to exceed 105° F on the hottest of days
- Generally 50-75% of traditional HVAC can be decommissioned

## Examples

- Northeast Iowa -100,000 sq ft food stuffs warehouse Coenco System® installed when new, heating set point 53°F, cycling only for 10 years at a total energy cost of less than \$40.00 per month, in 8 years the low recorded has been 64 °F and High 78 °F
- Central Wisconsin -350,000 sq ft can warehouse desired temperature 53° F. The building had 2 air rotation units. Energy cost in the winter months upwards of \$25,000 per month with condensation at the doors and peripheral wall / floor areas. Upon installation of the Coenco System® the energy use for the winter months was reduced by 85 %.
- Many 1.2 million sq ft Distribution centers for a large retailer. Majority of the time when outside between 20°F and 85-90°F for 2 weeks or less the Coenco System® cycling only allows a inside temperature of 65°F to 80 °F at an energy cost of \$35.00 per day
- **New Construction -125,000 sq ft athletic facility**
  - 2 full size soccer fields
  - 8 basketball courts
  - 8 volley ball courts
  - 6,000 sq ft work out

### Traditional Engineered Specifications:

240 tons Air Conditioning  
5 million btu's heat  
2000 amp service  
Est. \$25,000 per month

### Coenco Specifications Installation:

40 tons Air Conditioning  
1.6 million btu's heat  
600 amp service  
Actual \$2,500 per month(4 years)

The single most important input for your understanding and appreciation of this opportunity is that all the usual complications and inadequacies of the traditional vac. methods and control are in fact simply all corrected and eliminated. The all inclusive universal mechanism is facilitated through effective air distribution, destratification and the energy efficient pulsing circulation. ( Heretofore known as the Siccardi Principle)

The identification and inclusion of a number of passive improvements that effectively negate the inefficient and counterproductive inadequacies of the traditional HVAC and control methods sorely needed to meet the demands of today are met as a result of the 30- years of privately funded independent result oriented research and development

The potential for

The uniform conditions of the air ,building and contents and subsequent precise control and monitoring opportunity with the Coenco Controller Data Logger provides the means for the creation and maintenance of the precise identification of desired conditions and control of energy use in many buildings to be reduced to insignificance.

As time, study and the opportunities are understood the ongoing understandings for the accomplishment of desired conditions with less and less energy will be realized .b

In order for you to further put the Coenco System result in perspective the following details of the contributions and documentation of 30 years of privately-funded, independent result-oriented research in defining timely significant retrofit or new building improvements in energy and comfort technology are:

The Coenco Air Mover™

Unique ability to propel a bullet of air great distances (absolutely quiet when necessary) which can impact walls and corners causing a rebound total circulation and destratification of an open space, presents many new, defining and exciting improvement opportunities.

- The bullet-like pattern creates a forceful impact that creates a return air movement throughout allowing the creation of a uniform air mass of the entire open space. This is uniquely accomplished due to a lack of interference or obstruction from the usual fan spray.
- The in-ordinate pull of the unit incorporates and distributes outside fresh air and moisture. Whether from building air leaks or open doors this unique capability and event allows subsequent favorable air volumetric and humidity changes which create an adequate fresh air exchange and subsequently an inside fresh air environment that can for the first time be described as making or allowing a building to “breath”.
- Likewise, in the case of when exhaust is needed the effective circulation greatly improves desired conditions with a reduction of at least 50-70% of traditional exhaust equipment.
- The creation of a stable and definable thermal mass as a result of the ongoing uniform temperature of the air, building structure, and contents allows under many conditions of wide outside variation the reduction of energy use in many application to insignificance.
- Acclimation occurs as a result of the thermal uniformity throughout a space and the ability to identify precise commercially desired condition or comfort. The identification of specific temperature and humidity as a subsequent viable and practical solution to comfort / function is now possible. As the seasons change optimizing significant further energy savings is now reality as a result of desirable comfort or conditions because of the identification and control precision at lower temperatures in the winter and higher in the summer.

- This total building uniformity for the first time allows an inexpensive meaningful, precise control readout, and monitoring of all relevant outside / inside interactions with single sensors for each parameter. The traditional variations of air and humidity in an open space create meaningless control and subsequent monitoring.
- The Coenco System® provides precise scientific confirmation of all facts with appropriate data logger sensors and infrared thermography, i.e. usable real facts, are now possible as never before allowing the building and its outdoor -indoor interactions to be perceived as a dynamic interaction.

An open minded review of the Coenco System® presents a significant opportunity for the responsive, decision maker to realize the possibility of an economic bonanza that in all likely hood has not been addressed. A real solution for today's many difficult business challenges i.e. dollars saved is now dollars gross not necessary to sell or additional profit per se .

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