

Z-CHILL: HVAC + HVLS

YOUR HVAC IS MORE POWERFUL THAN YOU THINK.

We've designed and patented Z-Chill's diffuser system to boost traditional high volume, low speed fans with air conditioning. The result is lower moisture levels, reduced energy consumption, and improved air quality in addition to cooling.



CASE STUDY

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Z-Chill may be a viable solution to provide tempered air resulting in industrial warehouse applications, however it should be analyzed based on project specific and Owner's Requirements. Z-Chill may address some of the operational challenges in these large spaces by providing ventilation on steroids (higher air velocity / somewhat turbulent) to generate sufficient air movement and effective ventilation at somewhat suitable temperatures that contribute to improving the warehouse working environment while using minimal energy and reducing annual energy consumption and related costs.

Based on [cost metrics] and using estimated energy usage, the ROI is approximately 4.2 years.

PREPARED BY SYSKA HENNESSY GROUP, INC.
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VIVIDAIR™
ANYTHING ELSE IS STALE

IMPROVED AIR QUALITY

Higher air turnover rates provide pathogen reduction, increased air filtration, mold and mildew prevention, and higher employee productivity. Fans bring in fresh filtered air over night, too.

ENERGY SAVINGS

Z-Chill is independently proven to meet standards for low-energy certification for your building. It also exempts most buildings from thermal envelop requirements.

HUMIDITY CONTROL

Our 12' long blades have a 24' diameter, and cover 30% more area than other HVLS fans. By replacing moist air with drier air and promoting evaporative cooling, humidity is significantly reduced.

REDUCES COSTS

Installing Z-Chill immediately reduces capital expenditures by up to 70%. Fewer fans are needed to see results, long-term maintenance costs drastically decrease, and energy savings compound.

COOLER THAN HVLS

As an upgrade to Z-Tech fans, Z-Chill fans have been shown to reduce facility air temperature by 20 degrees or more. Additionally, even if your HVAC system breaks down, the Z-Tech blades will continue to provide evaporative cooling relief.

MADE IN THE USA