

Tozour-Trane

HIGH PERFORMANCE BUILDINGS FOR LIFE™

3606 Horizon Drive
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www.tozourenergysystems.com



Calmac www.calmac.com

Calmac off-peak cooling systems

Solution Provided: Calmac Off-Peak Cooling systems utilize modular Calmac IceBank units, coupled with Trane chillers, to generate and store cooling at night when electric rates are lowest. The stored cooling is used during the daytime, to replace or supplement chiller operation, thereby reducing peak kW demand, and lowering building operating costs. Off-Peak Cooling technology is frequently used to obtain valuable LEED points in sustainable building designs.

CityScapes
INCORPORATED

CityScapes Inc. www.cityscapesinc.com

Lightweight, unit-mounted architectural screen systems for new and existing building market; attaches directly to roof-top mounted equipment

Solution Provided: Cost-effective alternative to heavy metal screening; satisfies local architectural requirements; sound absorption.



ConsERV www.conserv.com

Fixed-plate Energy Recovery Ventilators (ERV)

Solution Provided: Delivers performance while providing the required fresh air supply. The ConsERV's performance is AHRI-certified and UL-recognized. A ConsERV system can reduce an HVAC's needed capacity by 30%. By doing so, ConsERV can avoid production of up to 2 lbs. of harmful CO₂ gas per ton of HVAC saved (per hour), thus significantly reducing a building's carbon footprint.



Delta Cooling Towers www.deltacooling.com

Cooling towers

Solution Provided: Leader in non-corrosive cooling tower technology. The cooling towers are made from high-density polyethylene casing carrying a 15-year warranty.



Distech Controls www.distech-controls.com

Building automation solutions and open control systems products

Solution Provided: Competitive, technology-driven solutions that focus on added-value services and client needs. Distech provides truly open control solutions that allow choice, connectivity and flexibility for consulting and in-house engineers, integrators, OEM's and building owners and operators. Distech's complete automation offerings are easy to engineer, program, integrate and manage, all while encompassing rich features and functions.



EMI (Enviromaster International) www.enviromaster.com

Ductless split systems

Solution Provided: Ductless split systems, chilled water fan coil, heat pump water heaters, and various specialty products fit a wide range of applications at a competitive price.



Genesis Air www.genesisair.com

Advanced filtration, ultraviolet lamps, photocatalysis

Solution Provided: Genesis Air is an advanced filtration system that utilizes a three step approach to reduce airborne biologics and volatile organic compounds and achieve air quality like never before! Filter system will reduce the overall pressure drop through air handlers versus typical carbon filters. In addition, filters decrease the spread of MRSA and other airborne particulates. Filter system is an excellent choice for hospitals, schools and casino applications.



Hydro-Fin www.hydrotherm.com

Custom manufacturer of architectural wall fin and unit ventilator shelving

Solution Provided: Ability to match all styles of architectural wall fin on the market at a reduced cost. Unit ventilator shelving comes pre-assembled, reduces installation time, can be ordered to fit any application, and offers an average of 25% savings over standard shelving.

motivair

Motivair www.motivaircorp.com

Air-cooled and water-cooled chillers with numerous options, including free cooling, pumping packages and all stainless-steel wetted parts for process applications

Solution Provided: Competitively priced chillers that can be equipped with free cooling. The free cooling can be applied to both commercial and industrial applications for which airside economizers are not practical, including data centers, process cooling, pressure dependent spaces, and historical buildings with only terminal units. Each chiller, which is designed to handle process cooling, has full DDC controls and can be supplied with a buffer tank and either simplex or duplex pumps, as standard, with a variety of custom options also available. Motivair also supplies simple, cost effective stand-alone pumping skids as well.



Plenums www.plenums.com

Custom-designed products, adapter curbs, specialty curbs, coil/hail guards, vibration/isolation rails, power exhaust systems, mixing boxes and economizers

Solution Provided: HVAC accessories to obtain configurations and desired performance from existing and new equipment. Field modifications and accessories not done as a factory standard for some equipment.

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Protecall www.protecall.com

Sustainable building solutions

Solution Provided: Energy-efficient, sustainable and safe building solutions, including: **MicroGuard**, HVAC/R energy-saving and corrosion-protection coil coating; **Super Therm**, thermal insulation barrier for cool roofs and exterior ductwork; **HPC**, extreme temperature control coating for hot pipes and vessels; **Rust Grip**, one-coat encapsulation coating that effectively protects and extends the life of metal and concrete surfaces including pipes, cooling towers, and dunnage with one-third of the preparation and labor; and **Atmos Air**, which supplies side air purification through bi-polarization, which in turn saves energy by reducing outside air ventilation as per ASHRAE 62.1.



SOFAME Technologies Inc. www.sofame.com

Direct-contact natural gas, ultra high-efficiency boiler, condensing flue gas economizer, waste water heat recovery

Solution Provided: Products reduce energy costs related to the production of hot water. The direct contact principle permits unequalled efficiencies and thus a short payback period. The technologies also contribute in reducing greenhouse gas emissions, minimizing a facility's carbon footprint. SOFAME products do not require continuous supervision, as they are not pressure vessels. Their life-span expectancy is considerably longer than pressurized boilers and maintenance is minimal. All systems come with the most advanced controls and are equipped with a touch-screen displaying the system's flow sheet and operating instructions.



Systecon www.systecon.com

Innovative approach to analyzing water systems and developing integrated pumping, piping, and control systems to fit customer needs

Solution Provided: Systecon prides itself on developing new technologies in water management that saves customers time, facility space, and installation costs. Proven hydraulic and electronic expertise. Packages pumping or mechanical plants with a measurable guarantee of performance that meets or exceeds standard industry practices. All products follow a strict quality control and testing regiment before the equipment leaves the factory floor.



TAS (Turbine Air Systems) www.tas.com

TAS Packages offer completely integrated and optimized central-chilled water plants in an assortment of sizes from 400 to over 8,000 tons

Solution Provided: These systems can save \$400 to \$1,000 per ton in net present value savings as opposed to a conventional field-erected plant. Significant first-cost savings, total system efficiencies of .7 to .8 kW/ton, industrial quality, quick installation & delivery, easy maintenance and integrated controls are just a few of the many benefits.



Thermax www.thermax-usa.com

Absorption cooling

Solution Provided: Thermax's™ Absorption Machines are extremely cost-effective, efficient and easy to maintain. These machines are highly versatile as they can be driven by steam, hot water, oil, gas and waste heat sources. Sizes range from 100 tons up to 1400 tons on steam machines and up to 1100 tons on gas fired units. Tozour-Trane is the service provider for all of these machines in the area.



Thybar/Thycurb www.thybar.com

Engineered HVAC equipment modifications for special applications; custom, adapter, vibration and seismic roof curbs that meet IBC 2000 code requirements

Solution Provided: Equipment modifications and custom roofcurbs to satisfy unique design conditions.



Trane Chilled Beam Systems www.trane.com

Sensible cooling

Solution Provided: Trane Active Chilled Beams use a combination of primary air and chilled water to provide sensible cooling to a space. They can deliver comfortable spaces with lower sound levels and energy consumption. Since Chilled Beams have no moving parts, they require little or no service and have minimal service costs over the life cycle of the building. Trane Active Chilled Beams are available in 2-pipe or 4-pipe configurations for both cooling and heating applications. Several models of active beams are available, giving design flexibility for beam length, width, discharge air direction and capacity.



United CoolAir www.unitedcoolair.com

Configurable indoor modular units

Solution Provided: United CoolAir provides indoor modular units which are configurable with a wide array of options to meet almost any application. Product series are available for ducted above ceiling, ceiling grid units, floor-mounted models, ductless types, and portable systems. Offerings range from 1 to 72 tons in DX, chilled water and heat-pump applications with indoor ducted air or water-cooled condensers. Factory-charged systems with re-sealable refrigerant line fitting shorten installation time, and extended piping runs allow for flexible, easy installs.