RESOURCE GUIDE
(August 2019)

This Turbine Inlet Cooling (TIC) Buyer’s Guide has been developed and is maintained by, and for, the membership of TICA.

Each member company in good standing in TICA is entitled to two types of inclusion in the Guide, at no charge:
1. Inclusion in the Product and Service Matrix, with single or multiple entries, and
2. A detailed entry in the Corporate Profile section of the Guide, including company name and address, contact name and title, telephone, facsimile, e-mail, and website, plus a narrative description (up to 100 words) of the company’s TIC experience, capabilities, products, and/or services.

Inclusion in the Guide is not available to non-member companies.

Electronic versions of the Guide may incorporate links to member company e-mail and website addresses, probably for free for the first link, and probably with a fee for additional links.

Product and Service

Categories: TIC

Facilities
Develop / Finance / Own
Operate and Maintain

Gas / Combustion Turbines

TIC System Designers and/or
Installers Consulting /
Design Engineering Design/
Build TIC Systems
Contractors / Installers

Suppliers of TIC Equipment and/or Subsystems
Chillers, individual equipment
Chillers, packaged systems
Evaporative Cooling and
Fogging Indirect Evaporative
Cooling
Wet Compression
Heat Rejection Equipment
Inlet Air Coils
Thermal Energy Storage
Other Products and Services
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The table lists companies and their capabilities in various areas related to TIC Facilities, Gas / Combustion Turbines, TIC System Design / Installation, and Suppliers of TIC Equipment and/or Subsystems. Each company is marked with an 'X' in the corresponding categories where they have a capability.
### Avalon Consulting, Inc. (TICA Founding Member)

**Company Name:** Avalon Consulting, Inc.  
**Address:** 427 Prairie Knoll Drive  
**City, State, Code, Country:** Naperville, Illinois 60565 U.S.A.

**Contact Name, Title:** Dharam (Don) Punwani, President  
**Telephone:** 1-630-983-0883  
**Facsimile:** 1-630-357-1004  
**E-mail:** dpunwani@avalonconsulting.com  
**Website:** [www.avalonconsulting.com](http://www.avalonconsulting.com)

**Corporate TIC Capabilities, Products, or Services:** Avalon Consulting, Inc. provides consulting services for turbine inlet cooling (TIC) systems. The scope of our services includes technical and economic analyses of alternative technologies for TIC, and optimization of TIC systems for specific power plants and markets. Our analyses cover all TIC technologies: evaporative cooling (wetted media and fogging), electric and absorption chillers with or without thermal energy storage (TES), and hybrid systems. We provide objective analyses for power plant owners, energy service companies, design and engineering contractors, and cooling equipment manufacturers and sales representatives.

### Baltimore Aircoil Company. (TICA Founding Member)

**Company Name:** Baltimore Aircoil Company  
**Address:** 7600 Dorsey Run Road  
**City, State, Code, Country:** Jessup, MD 20794 U.S.A.

**Contact Name, Title:** Andrew Sickler, Industrial Project Engineer  
**Telephone:** 1-407-973-4583  
**Facsimile:**  
**E-mail:** asickler@baltimoreaircoil.com  
**Website:** [www.baltimoreaircoil.com](http://www.baltimoreaircoil.com)

**Corporate TIC Capabilities, Products, or Services:** Baltimore Aircoil Company (BAC) is a global supplier of heat transfer and ice thermal storage products. BAC provides high-capacity modular equipment for power generation, industrial processes, refrigeration, and comfort cooling applications. BAC engineers and manufactures an extensive catalog of evaporative cooling towers, closed loop cooling towers, evaporative condensers and hybrid products. BAC delivers certified performance and world class solutions.
Company Name: **Caldwell Energy Company** *(TICA Founding Member)*
Address: 4020 Tower Road
City, State, Code, Country: Louisville, Kentucky 40219 USA

Contact Name, Title: Don Shepherd, Vice President
Telephone: 1-502-964-3361 Ext. 2124
Facsimile: 1-502-810-0984
E-mail: DSheperd@caldwellenergy.com
Website: www.caldwellenergy.com

**Corporate TIC Capabilities, Products, or Services:** Caldwell Energy Company was founded in 1995 with the mission of providing combustion turbine users with inlet cooling systems. Caldwell is the only provider of all inlet cooling technologies including evaporative cooling with fog, on-line chilling, chilling with Thermal Energy Storage (ice or water) and patented Wet Compression Technology, giving Caldwell the unbiased ability to fairly evaluate which technology best serves a Customer’s need. Caldwell is an experienced turnkey provider of all inlet cooling systems with proven installations on all combustion turbines: aero-derivative, mature industrial and advanced turbines. Caldwell provides aftermarket support and services for all technologies.

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Company Name: **The Cool Solutions Company** *(TICA Founding Member)*
Address: 5007 Lincoln Avenue, Suite 201
City, State, Code, Country: Lisle, Illinois 60532 USA.

Contact Name, Title: John S. Andrepoint, President
Telephone: 1-630-353-9690
Facsimile: 1-630-353-9691
E-mail: CoolSolutionsCo@aol.com
Website: www.CoolSolutionsCo.com

**Corporate TIC Capabilities, Products, or Services:** The Cool Solutions staff provides consulting services for both the business and technical aspects of CTIC developments of various types, from analysis and planning through installation and operation. Past projects include: CT plant capacities from 1 MW to 500 MW; simple cycle and combined cycle plants; direct refrigerant evaporation and water-cooled air coils; mechanical and absorption refrigeration; non-storage, water storage and ice storage systems. Our staff is particularly experienced with identifying and capturing the benefits of Thermal Energy Storage (TES), including applications of patented SoCool™ low temp TES.
Company Name: Danfoss H-P Systems
Address: 7560 Southwest Jack Janes Drive
City, State, Code, Country: Stuart, FL 34997 USA

Contact Name, Title: Steven Good, National Sales Manager
Telephone: 1 (813) 404-3250
Facsimile: E-mail: steven.good@danfoss.com
Website: www.danfoss.com

Corporate TIC Capabilities, Products, or Services: Danfoss H-P Systems offers the Nessie® Water Hydraulics product line, covering high temperature/pressure and proportional water valves and the most advanced Technical Water pump in the market. The PAH series of “positive-displacement” Technical Water Pumps are completely manufactured out of 316SS (also Duplex and Super Duplex SS) and are offered in displacements up to 43USGPM and pressures to 2000PSI. Our pumps are direct-coupled providing a minimal footprint and can be 40% more efficient than existing pumps. The PAH pump is an axial-piston design, requiring no pulsation dampening and NO lubrication. They are employed in water-wash, power-augmentation and water-injection systems for Gas Turbines.

Company Name: Distributed Storage Technologies, LLC
Address: 241 Cold Spring Road
City, State, Code, Country: Avon, CT 06001 USA

Contact Name, Title: David F Dahlem - Owner
Telephone: 1-860-255-7146
Facsimile: 1-860-255-7146
E-mail: dfdahlem@aol.com
Website: N o n e

Corporate TIC Capabilities, Products, or Services: Distributed Storage Technologies, LLC (DST) offers a new and innovative cooling technology for many applications, including, turbine inlet cooling. The DST cooling technology is a low cost technology that does not consume any water and helps reduce emissions. It is also an innovative energy storage technology and helps improve the efficiency of distributed generation technologies. Compared to its competing technologies the DST technology significantly reduces capital costs, construction time, the costs to ratepayers and the impact on the environment.
DN Tanks – Natgun & DYK Divisions

Address: 410 E. Trinity Blvd
City, State, Code, Country: Grand Prairie, TX 75050 U.S.A.

Contact Name, Title: Guy Frankenfield - Manager, TES & Biofuels Division
Telephone: 1-972-823-3300
Facsimile: 1-972-823-3333
E-mail: gfrankenfield@dntanks.com
Website: www.dntanks.com

Corporate TIC Capabilities, Products, or Services: Natgun and DYK, divisions of DN Tanks, build the highest quality Thermal Energy Storage (TES) and anaerobic digesters for all energy markets. Each tank is designed by DN Tanks engineers to maximize the energy effectiveness and minimize the operational costs for the owner. Because they are constructed of pre-stressed concrete, they can be built above ground, partially buried, or fully buried. DN tanks are built watertight and maintenance-free, providing decades of continuous service for owners.

Johnson Controls, Inc.

Address: 6 Changi Business Park Avenue 1, #06-21/22, UE Bizhub East (North Tower),
City, State, Code, Country: Singapore 486017

Contact Name, Title: Stephen Green, Director, Business Development and Sales
Telephone: 65-8121-5137
Facsimile: 65-6287-1210
E-mail: Stephen.Green@jci.com
Website: http://www.johnsoncontrols.com/en_sg/buildings/solutions-by-industry/power-plants/gtia

Corporate TIC Capabilities, Products, or Services: Johnson Controls (JCI) is a global diversified technology and industrial leader serving customers in more than 150 countries worldwide. We are a leading provider of equipment, controls and services for industrial cooling through our globally recognized YORK®, FRICK®, SABROE® and METASYS® product lines. JCI has been at the forefront of the Gas Turbine Inlet Air Cooling (GTIAC) industry from the earliest applications in the 1980’s. Today JCI chilling equipment and fully integrated GTIAC systems provide the cooling required to optimize gas turbine performance in power plants across Asia, Africa, the Middle East and the Americas.
公司名称: Mario Coil
地址: 6060 Highway PP,
城市, 状态, 邮编: 高岭, 莫, 63026 美国
联系人姓名: 电话: 1-636-428-6012
传真: 1-636-677-1203
电子邮件: j buck@drs.com
网站: www.marlocoil.com

公司 TIC 能力, 产品或服务: DRS Marlo Coil 是一家高品质涡轮进气冷却器（管和管热交换器）制造商，使用水、乙二醇和制冷剂，包括氨，用于加热和冷却应用。此外，我们还可以提供水和泄漏的空气歧管用于涡轮进气系统。

公司名称: Munters Corporation (TICA 创始会员)
地址: 16900 Jordon
城市, 状态, 邮编: 赛尔马, 德州 78154 亿美元
联系人姓名: Pat Zeller, 产品经理/国家账户
电话: 1-210-249-3867
移动: 1-210-296-8609
电子邮件: pat.zeller@munters.com
网站: http://www.munters.us/en/us/Products--Services/HumiCool-Division/ECGT/

公司 TIC 能力, 产品或服务: 40 年来，Munters 一直是蒸发冷却技术的权威。我们的蒸发冷却产品已在全球数百个燃烧涡轮进气口安装。Munters 可以告诉你如何通过 20% 甚至更高的涡轮输出来提升你的涡轮输出。在你最需要的时候，比如那些炎热的夏日。Munters 是为数不多的可以同时提供雾化和基于媒体系统的公司之一。Munters 独特的资格让您了解两种类型技术的优点，并帮助您决定哪种系统最适合您的具体地点。开始增加利润并联系我们吧！
**Corporation**

**Company Name:** Parker Hannifin Corporation *(TICA Founding Member)*
**Address:** 8940 Tyler Blvd.
**City, State, Code, Country:** Mentor, Ohio 44060 USA U.S.A.

**Contact Name, Title:** Georges El Helou, Design Engineer
**Telephone:** 1-266-2379
**Facsimile:** 1-630-553-8440
**E-mail:** Georges.elhelou@parker.com
**Website:** www.parker.com

**Corporate TIC Capabilities, Products, or Services:** Parker Hannifin is the world's leading supplier of motion and control equipment. The Gas Turbine Fuel System Division's patented Macrospray technology offers superior spray performance in the widest array of packaging options including the remarkable multi-point Spider nozzles. Parker offers spray nozzles and accessories including manifolds, valves, connectors, filters, and hose as well as systems and sub-systems for turbine cooling and wet compression.

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**Company Name:** Pasteris Energy, Inc. *(TICA Founding Member)*
**Mailing Address:** 430 Trend Road
**City, State, Code, Country:** Yardley, Pennsylvania 19067 U.S.A.

**Contact Name, Title:** Raymond M. Pasteris, President
**Telephone:** 1-215-736-8170
**Facsimile:** 1-215-736-8171
**E-mail:** rpasteris@pasterisenergy.com
**Website:** www.pasterisenergy.com

**Corporate TIC Capabilities, Products, or Services:** Pasteris Energy, Inc. located midway between Philadelphia and New York City operates as a unique energy firm providing energy development, engineering, economic and commercial services in district heating and cooling, combined heat and power ("CHP"), turbine inlet air cooling, energy conservation audits, energy asset valuation and energy performance contracting.
Company Name: SPX Cooling Technologies, Inc.
Address: 7401 W. 129th St.
City, State, Code, Country: Overland Park, KS 66213 U.S.A.

Contact Name, Title: Scott Maurer, Global Product Manager – FAP Products

Telephone: 1-913-664-7834
Facsimile: 1-913-693-9310
E-mail: scott.maurer@spx.com
Website: www.spxcooling.com

Corporate TIC Capabilities, Products, or Services: Many of the existing turbine air inlet cooling installations use SPX Cooling Technologies products. Marley, Balcke, Hamon Dry Cooling and Recold are brands offered by this technology leading global manufacturer of field erected and factory assembled cooling towers, evaporative coil products and air-cooled condensers. SPX CT equipment has been used in a large number of air-conditioning, refrigeration, industrial, power and other heat rejection applications throughout the world. SPX CT offers its customers lifetime value in the products and services provided through its global network.

Company Name: Stellar Energy Systems (TICA Founding Member)
Address: 2900 Hartley Road
City, State, Code, Country: Jacksonville, Florida 32257 U.S.A.

Contact Name, Title: Curtis Lovelace, Vice President, Stellar Energy Systems
Telephone: 1-904-260-2900, ext. 3283
Facsimile: 1-904-899-9283
E-mail: clovelace@stellar.net
Website: www.stellarenergysystems.com

Corporate TIC Capabilities, Products, or Services: The Stellar Group provides turnkey turbine inlet chilling systems for aero-derivative and industrial turbine power plants. Stellar’s in house engineering, project management, fabrication, field and service personnel have industry leading experience in the design, fabrication, installation and service of water/glycol and direct refrigerant systems including thermal energy storage. Our single source delivery capabilities allow us to offer a wrap around guarantee ensuring expected performance and on time operation. Stellar is the largest industrial refrigeration design/build in the U.S. with the resources, capabilities and experience to guarantee TIC project success.