



American Society of Heating,
Refrigerating, and
Air Conditioning Engineers
Inc.

Special points of interest:

- President Message
- Twin Tier News
- Monthly Meetings
- Society News
- Scholarships
- Business Card Advertisements
- Employment

ASHRAE 2017-2018



Shaping Tomorrow's
Built Environment Today

October Meeting

October 17, 2017

2017 Southern Tier Professional Development Symposium

8:30am - 4:00pm

Up to 6.5 PDH

To register, visit the Chapter website:

<http://twintiers.ashraechapters.org>

Please send all newsletter comments to:

Andrew Nice, Editor
c/o Meier Supply Co.
275 Broome Corporate Parkway
Conklin, NY 13748

[Email the Editor](#)

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American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.



Corner

President's

Dear Twin Tiers Chapter Members,

Following the Region 1 CRC in August, we have had a great start to the year with our September Chapter meeting, held at the Binghamton Holiday Inn. The meeting revolved around a pair of presentations regarding cooling tower basics and tower water chemical treatment. I was happy to see such a great turnout that included both familiar faces from past meetings as well as many new ones.

Thank you, Mike McGinnis, for putting together September's program and to our presenters, Adam Keller of Pro Air Plus, and Jerry Meyer Jr. of MIS of America. It is often overlooked, but our monthly programs would not be as educational, interesting and interactive without the participation and contribution of our presenters. A good percentage of September's attendees were Binghamton University students who experienced firsthand what ASHRAE is all about, got their feet wet in the world of HVAC, and mingled with a lot of the regular members. Thank you, Jason Gilbert, for continuing to encourage student participation.

In the month of October, we will be holding the 2017 Southern Tier Professional Development Symposium at the Binghamton Holiday Inn Arena. This annual joint event with NYSSPE, ACEC, and ASCE, will feature a wide variety of presentations and will offer the opportunity to earn up to 6.5 professional development hours. For more details on the topics and schedule, refer to our chapter website or the information enclosed within this newsletter.

ASHRAE is an organization of volunteers, both at the chapter and national level. The society is built upon the participation of people like you – students, contractors, faculty, equipment manufacturers, HVAC professionals and many others from every facet of the HVAC&R industry. Membership in our organization makes you part of this diverse network of people. In addition, you will gain access to many valuable resources such as the ASHRAE Handbook, Journal, E-newsletters, discounts on ASHRAE publications and merchandise and have an opportunity to get involved at the chapter level. Contact Chris Wolak (Chris.Wolak@victaulic.com) if you, or someone you know, are interested in learning more about membership opportunities.

Thank you for your continued support and membership in this great organization.

Warm Regards
-Petros Papathomopoulos
Twin Tiers Chapter President

Chapter President



Petros Papathomopoulos
(607) 723-9421

[Email Me!](#)

2017-2018 Chapter Officers

President-Elect

Michael McGinnis
(607) 727-3168

[Email Me!](#)



Vice President

Kyle Nedlik
(607) 321-6100

[Email Me!](#)



Treasurer

Devin Shapley
(607) 723-9421

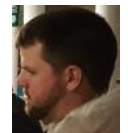
[Email Me!](#)



Secretary

Adam Keller
(315) 487-8791

[Email Me!](#)



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Twin Tiers Chapter

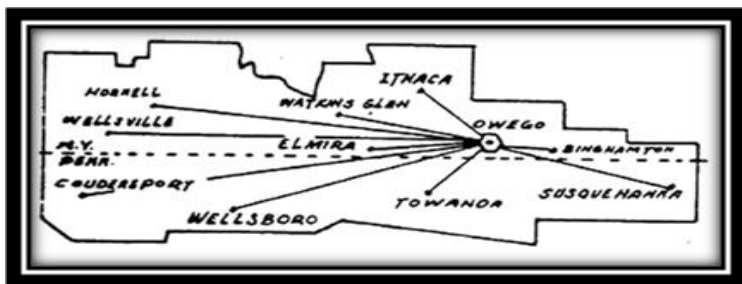
Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Electronic Communications	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities
MIN/ PAR	600/1200	450/1050	250/500	500/650	100/300	500/800	800/1050	300/500
Current	480	0	50	50	285	735	0	150

POINTS CURRENT AS OF 10/09/2017

Chapter Committee Chairs

Technology Transfer Michael McGinnis (607)727-3168 Email Me!	Government Activities Adam Keller (315) 487-8791 Email Me!	Refrigeration Rob VanSkiver (585) 591-8168 Email Me!	Golf & Clambake Outing Michael McGinnis (607)727-3168 Email Me!
Membership Promotion Chris Wolak (484) 350-1954 Email Me!	Nominating Andrew Nice 607-760-5960 Email Me!	Meeting Reception Devin Shapley (607)723-4979 Email Me!	H.O. Ward Scholarship Richard Sanguinito (607) 231-6605 Email Me!
Research Promotion Glenn Roberts (315)234-1527 Email Me!	Student Activities Victoria Kramer (607) 321-6127 Email Me!	Membership Directory Chris Wolak (484) 350-1954 Email Me!	Albern Education Fund Jason Gilbert (607) 777-2240 Email Me!
Honors & Awards Petros Papathomopoulos (607) 723-9421 Email Me!	Historian Richard Sanguinito (607) 231-6605 Email Me!	Symposium– Fall/Spring Kyle Nedlik (607) 321-6100 Email Me!	Auditing Rick Sanguinito & Andrew Nice (607) 231-6605 / 607-760-5960 Email Me!
Webmaster Mike Colwell (570) 706-0690 Email Me!	Newsletter Editor Andrew Nice 607-760-5960 Email Me!	YEA: Young Engineers Devin Shapley (607)723-4979 Email Me!	Publicity Andrew Nice 607-760-5960 Email Me!



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Monthly Meeting Information

2017-2018 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
19-Sep	Adam Keller, Pro Air Plus Jerry Meyer Jr., MIS of America	Cooling Tower Basics Cooling Tower Shut-down and NSF Legionella Guideline	27
17-Oct	Multiple/TBD	Fall Engineering Symposium—Daytime	
21-Nov	Michael Collins, Eagle Bay Refrigeration	<u>TOUR</u> Wegmans Johnson City Refrigerant Update	
19-Dec	Distinguished Lecturer	TBD	
16-Jan	Lanny Joyce, Mark Howe, Lou Damiani, Pete Meenan, Cornell University	<u>TOUR</u> Upson Hall Cornell University High performance building design - Sibley School of Mechanical and Aerospace Engineering building	
20-Feb	Jason Gilbert	<u>TOUR</u> Binghamton University Building	
20-Mar	Ernie Nitsche	<u>TOUR</u> Corning Inc. Sullivan Park Process HVAC Systems, Energy Management at Corning Inc.	
17-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	
15-May	Doug Clay, Sack Engineering	<u>TOUR</u> Tompkins Trust Building New Tompkins Trust HQ Project – Water Source VRF, DOAS, Cooling Tower, Boilers	
19-Jun	None	Golf Tournament	

NOTE: Speakers and topics are subject to change based on availability.

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Adam Keller
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Research Promotion Message

Chapter Research Promotion

Dear ASHRAE Twin Tiers Member or Research Promotion (RP) Supporter,

As the RP Chair and a fellow member of the Twin Tiers Chapter, I wanted to personally ask you for your help in supporting ASHRAE Research. ASHRAE's research program, established in 1912, supports 140 research projects with a combined value of more than \$15 million. Research focus includes energy and resource efficiency, indoor environmental quality, design, operation and management tools, alternative technologies, and materials and equipment. Through scholarships, grants and awards, the Society supports engineering education for undergraduate students and research projects for graduate engineering students and new post-doctoral scholars.

For Research Information please see the following site:

<https://www.ashrae.org/standards-research--technology/ashrae-rp>

You can either donate directly with a credit card, see link below:

<https://xp20.ashrae.org/secure/researchpromotion/rp.html>

or send a check to:

ASHRAE Research Promotion
att. Patricia Adelman
1791 Tullie Circle NE
Atlanta, GA 30329

Make check payable to "RP Donation-ASHRAE Twin Tiers"

Again, a personal *Thank You* for the following who have donated last year:

Air Temp Heating & Air Conditioning Inc

Michael Colwell

Travis Fisher

Brenton Ingraham

Christopher Kopec

Louis N Picciano & Son Incorporated

Mark Mattina

Michael McGinnis

Meier Supply Company

Raymond Millard

Arthur Monaco

Kyle Nedlik

Joseph O'Hara

Petros Papathomopoulos

Plumbers & Pipefitters Union 112

Francis Plunkett

Pro Air Plus Inc

Glenn Roberts

Norman Scott

Devin Shapley

I hope that ASHRAE and I can count on your support this year.

Email me, or come see me at a Chapter Meeting if you have any questions.

Glenn Roberts

Twin Tiers Research Promotion Chair

[Email Me](#)



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

History Report - September



By
Rick Sanguinito Historian 2017-2018

SEPTEMBER Meeting Summary

Date: SEPTEMBER 19, 2017

The September 2017 meeting consisted of two presentations. Adam Keller from Pro Air Plus discussed **COOLING TOWER BASICS** as the tech talk before dinner. After dinner Jerry Meyers from MIS of America spoke about **COOLING TOWER SHUT-DOWN AND NSF LEGIONELLA GUIDELINES**.

Twin Tiers ASHARE would like to thank all who attended

Christopher Wolak, Kyle Nedlik, Petros Papathomopoulos, Devin Shapley, Christopher Hackett, Ibrahima Balde, Chris Zarrelli, Michael McGinnis, Matthew Lloyd, Andrew Nice, Matthew Hawley, Scott Beeman, Brandon Link, Tara Dulak, John Sprague, Chris Stamm, Cyrus Vakili, Christopher Braithwaite, Michael Colwell, Glenn Roberts, Adam Keller, Jerry Meyer Jr., Mickey Masker, Jason Gilbert, Rick Lopez, Jack Beiderman, Michael Collins, Todd Schmidt.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

History Report - CRC



Photo 1: Adam Keller of Pro-Air Plus presenting on Cooling Tower Basics

Photo 2: Jerry Meyers of MIS of America presenting on Legionella Guidelines and Cooling Tower Shut-Down.





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

2017 Southern Tier Professional Development Symposium

Tuesday, October 17, 2017
Location - Holiday Inn Arena, Binghamton, NY
8:30am - 4:00pm

2017 Southern Tier Professional Development Symposium		
Tuesday, October 17, 2017		
Binghamton Holiday Inn Arena		
REGISTRATION 8:00 - 8:30 A.M., Outside Johnson City Room (includes coffee, muffins and fruit)		
Johnson City Room	Southern Tier Room	Binghamton Room
8:30 NPCA Precast Concrete- Ron Thornton, P.E.	8:30 Properly Applying and Specifying VRF, Andrew Nice	8:30 Arc Flash - A Review of the Hazards & Methods of Mitigation, Bryan Cole
9:30 - 9:45 Break		
9:45 Effective Building Designs with Concrete Masonry-Nick Carparelli	9:45 Duct Leakage: Impact and Innovative Solutions for Mitigation, Evan Hallas	9:45 Concerned about Aging Machinery and Equipment? - Neville Sachs, P.E.
10:45 - 11:00 Break		
11:00 Practical Analysis and Repair Techniques for Bridge Preservation Dave Kennicutt, P.E.	11:00 Building Code of NYS-Special Inspection Services- Steve Moore	11:00 How and Why Accidents Happen - Neville Sachs, P.E.
12:00PM - In Atrium - Lunch & Presentation "Cyber Threat Intelligence and Information Sharing" - John Bay (12:30 - 1:30)		
1:30 Structural Building Condition Reviews: Beyond Distress- Jim D'Aloisio, P.E.	1:30 Specifying VFDs for HVAC Application, Ted Firnstein	1:30 Probability Based Tools for Safety, Risk, Quality, and Reliability Analysis-Joel Christian, P.E.
2:45 - 3:00 Break		
3:00-4:30 Engineering a Building on Back of a Napkin- Tom Petracca, P.E. (1.5 PDH)	3:00 Understanding Input Harmonics and Techniques to Mitigate them, Kevin Diehl	3:00-4:30 - Introduction to Thermal Spray Coating - Roy McGrann (1.5 PDH)
All sessions are one hour (1 pdh), except as noted. It includes Lunch for a total of 6 to 6.5 pdh.		

Early registration deadline is **Sunday** October 8, 2017 for ASHRAE, ASCE, NYSSPE, and ACEC members to pay just \$80 per person, non-members are \$100 per person.

Beginning 10/9/2017 the cost is \$100 per person for members of NYSSPE, ASCE, ASHRAE or ACEC and \$120 for non-members.

Register on-line at [broomepe.org](http://www.broomepe.org) (<http://www.broomepe.org/index.html>) or send prepaid registration to WonJune Hong, 416 Jodie Dr, Vestal, NY 13850 checks payable to "Broome Chapter NYSSPE."

Questions:

General: Kristy Scales | 607-231-6604

Registration: WonJune Hong 607-751-2452 Refunds available for requests made prior to 10/8/17

Go check out the [Course Schedule](#)

American Society of Heating, Refrigerating,
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Twin Tiers Chapter – September BOG Meeting Minutes



<http://twintiers.ashraechapters.org>

Board of Governors Meeting

Date: September 19, 2017

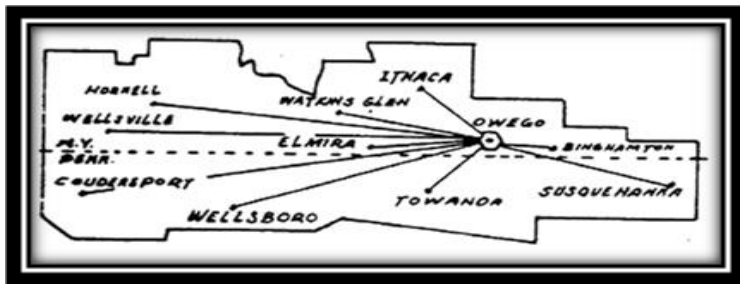
Location: Holiday Inn

2 Hawley St, Binghamton, NY

Agenda

Meeting was called to order at 4:05

- Call to Order and Attendance: Mike M., Devin S., Kyle N., Jason G., Petros P., Glenn R., Andy N., Adam K.
 - General Announcements: None
 - Treasurer's Report (Devin Shapley & Kyle Nedlik):
 - M&T:
 - PayPal:
 - H.O. Ward:
 - William & Joan Albern:
 - Audit: Treasury Report has been submitted. No issues found.
 - 2017-2018 Budget – totals from 2017, make new 2017-2018 budget
-update treasurer report to designate pass through items
 - CTTC (Mike McGinnis / Kyle Nedlik)
 - Fall Symposium(Kyle): 3 out of 4 speakers currently approved
- Coordinate BOG meeting separate
 - Monthly Meetings (Mike): - NOV tour – no Wegmans, alternate option?
 - YEA (Devin Shapley):
 - Membership Promotion (Chris Wolak): via e-mail: Attended centralized training in Atlanta
- 97 Members**
38 Students
New Members:
 Christopher Hackett MJ
 Ibrahima Balde MJ
 Charles Grochowiak BU
Delinquent Members:
 George R Lampila
 Alexander James Merry
 Christopher G Stone
 Ian D Morrell
 Mark J Mattina
 Tom E Jordan, PE
 Michael A Eckhardt
 - Update student members as of 9/19



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter – September BOG Meeting Minutes

- GGAC (Adam Keller): **update contact list, input CRC points, email goals to head GA**
- Student Activities (Jason Gilbert): E-Board to Organize GIM
 - Chicago trip – plans to raise funds?
 - No Alfred update, Mike – BCC

Travis: Update on Cornell?

- Research Promotion (Glenn Roberts): RP Donations. \$50 or 50% reimbursement?
- PAOE (Petros Papathomopoulos): Reminder to chairs that they can update PAOE points.

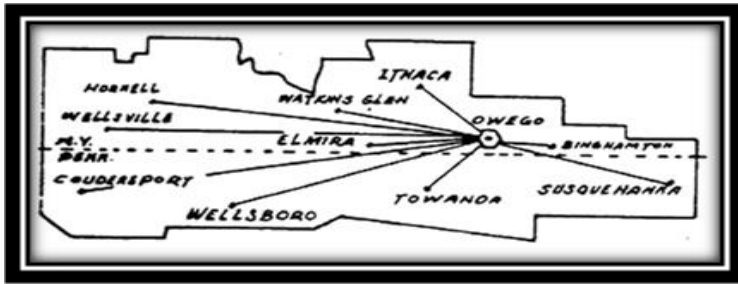
▶ Chapter Operations	Par: 1200	Min Points: 600	Total Points: 480
▶ Chapter Technology Transfer	Par: 1050	Min Points: 450	Total Points: 0
▶ Electronic Communications	Par: 500	Min Points: 250	Total Points: 50
▶ Grassroots Government Advocacy	Par: 650	Min Points: 500	Total Points: 50
▶ Historical Criteria	Par: 300	Min Points: 100	Total Points: 100
▶ Membership Promotion	Par: 800	Min Points: 500	Total Points: 610
▶ RP	Par: 1050	Min Points: 800	Total Points: 0
▶ Student Activities	Par: 500	Min Points: 300	Total Points: 150

- New Business
 - Thompkins Update: Information received from Travis. Petros will meet within October/November. Contact info: Peggy Reed, Trust Associate, 119 E. Seneca Street, PO Box 6437, Ithaca, NY 14851, preed@tompkinsfinancial.com
Phone: 607.273.0037
 - Sign form for M&T to update roster.
 - Chapter Homepage Editor / Webmaster position: Travis Fisher and Petros P. will take over from Mike Colwell beginning on the 2018-2019 season.

Meeting was adjourned at 5:01

Motioned: Petros

Second: Andy



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.



2018 Call for Entries

It starts with ONE can. To feed the hungry. To lift the spirit. To change the world. Canstruction is an international hunger-relief competition where groups compete to design and build giant structures made entirely from canned foods! 100% of monetary and food donations from Canstruction will go towards the Food Bank of the Southern Tier and CHOW's hunger-relief work in Broome County.

The Southern Tier is joined by 100 cities across North America who will hold Canstruction competitions in the coming year. Highlighting the creativity and compassion of architectural and engineering groups, these astounding structures are helping to change the world—by lifting the spirits of those in need, by raising public awareness, and most importantly, by collecting millions of pounds of food for local food banks.



Do you think you have what it takes to design and build a structure made of nothing more than canned food?

When: April 8 - 15, 2018

Where: Oakdale Mall, 601-635 Harry L. Drive, Johnson City, NY

Costs: Entry Fee is \$100 per team (non-refundable)

Teams are responsible for acquiring the canned food for their structures

For more information: visit www.foodbankst.org/canstruction or contact the Canstruction Chair, Kyle Nedlik, via email at BLI.Canstruction@gmail.com

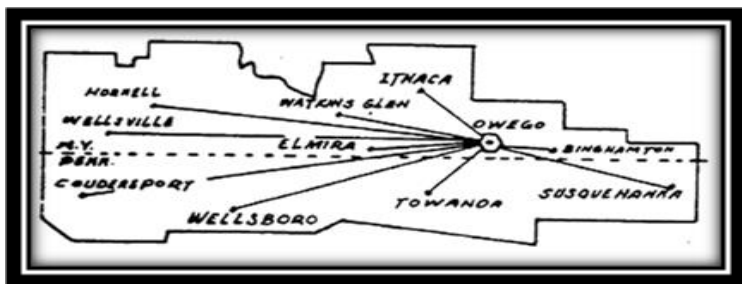


Name	_____
Address	_____
City State Zip	_____
Contact Name	_____
Phone Number	_____
Email	_____

Please complete this form and mail with your payment by **Friday, January 12, 2018** to:
Food Bank of the Southern Tier | 388 Upper Oakwood Avenue, Elmira, NY 14903 | 607.796.6061

All proceeds
benefit hunger
relief in Broome
County:





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

What Were They Thinking???



Who approves of things like this...

**Do you have a funny, “unique”, or just plain horrible installation picture?
Please send them to the Editor at anice@meiersupply.com**

***** All names/brands are removed to protect the guilty. *****

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**Thank you
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Evan Hallas

Aeroseal Operations Manager

ehallas@taitem.com

Taitem Engineering, PC
110 South Albany Street
Ithaca, New York 14850

607.277.1118 x103

www.taitem.com



Joseph Parisella, PE, CPD
Sr. Mechanical Engineer

direct: 607.338.1284
email: jparisella@popligroup.com

main: 607.238.5888
fax: 607.338.1288

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Richard R. Sanguinito, PE, LEED AP
Vice President/Director of MEP Services

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TRAINING



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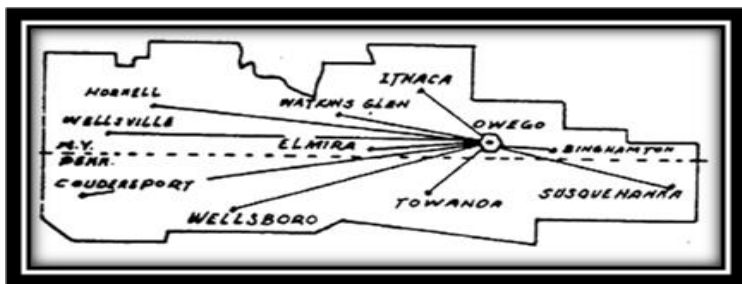
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help you stay abreast of your professional responsibilities, has developed this short, self-study educational activity in ethics.

This educational activity is based on the New York State Education Law Articles 130 and 145, the Rules of the Board of Regents Parts 1, 3, 17, 18, 28, 29, 31, and the Regulations of the Commissioner of Education Parts 59 and 68. It is strongly recommended that, prior to taking the self test, you review these [foundational materials](http://www.op.nysed.gov/prof/pels/pelaw.htm) (<http://www.op.nysed.gov/prof/pels/pelaw.htm>) on the engineering web site.

Once you have reviewed the foundational materials, proceed to complete the self test below. When you have completed the self test, click the "Get your score" button at the bottom of the page. You should print this screen and save it as evidence of satisfactory completion of this educational activity. A score of 90% or greater will allow you to claim 1 Professional Development Hour (PDH) of educational activity credit in ethics ONCE in each three-year registration period. Retain your printed screen for no less than 6 years from the date of completion.

Take Your PE Ethics Self Test Here!

<http://www.op.nysed.gov/prof/pels/peceselftest.htm>



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

TRAINING



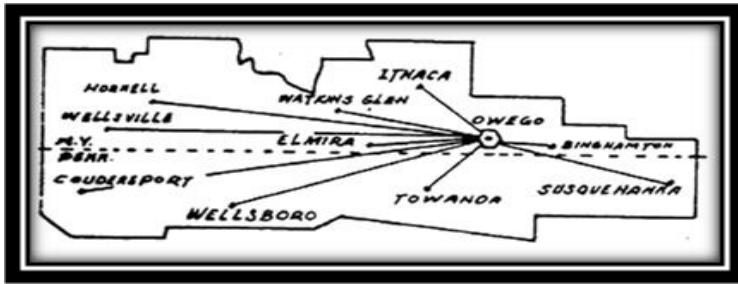
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The above websites offer free online courses that are approved for credit!





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TRAINING

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One-part course (3 hours) \$284 (\$219 ASHRAE Member) — — — Two-part course (6 hours) \$484 (\$359 ASHRAE Member)

Basics of High-Performance Building Design

Wednesday, February 8, 2017 – 1:00 p.m. to 4:00 p.m.

Designing Toward Net-Zero Energy Commercial Buildings

Tuesday, February 14, 2017 – 1:00 p.m. to 4:00 p.m.

ASHRAE Guideline 0: The Commissioning Process

Tuesday, February 21, 2017 – 1:00 p.m. to 4:00 p.m.

Commissioning Process & ASHRAE Standard 202

Monday, February 27, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Fundamental Requirements of Standard 62.1-2016

Thursday, March 9, 2017 – 1:00 p.m. to 4:00 p.m.

Commissioning Process in New and Existing Buildings

Part I: Monday, March 13, 2017 – 1:00 p.m. to 4:00 p.m.

Part II: Wednesday, March 15, 2017 – 1:00 p.m. to 4:00 p.m.

Design of Affordable & Efficient Ground Source Heat Pump Systems

Wednesday, March 29, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016: Envelope/Lighting

Wednesday, April 5, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016: HVAC/Mechanical

Tuesday, April 11, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016: Appendix G

Tuesday, April 18, 2017 – 1:00 p.m. to 4:00 p.m.

Air-to-Air Energy Recovery Fundamentals

Wednesday, May 3, 2017 – 1:00 p.m. to 4:00 p.m.

Air-to-Air Energy Recovery Applications: Best Practices

Tuesday, May 9, 2017 – 1:00 p.m. to 4:00 p.m.

Humidity Control: Basic Principles, Loads and Equipment

Tuesday, June 13, 2017 – 1:00 p.m. to 4:00 p.m.

Humidity Control: Applications, Control Levels and Mold Avoidance

Tuesday, June 20, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! New ASHRAE-Classified Refrigerants to Meet

Society's Changing Needs

Tuesday, July 11, 2017 – 1:00 p.m. to 4:00 p.m.

Advanced High-Performance Building Design

Wednesday, August 9, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Fundamental Requirements of Standard 62.1-2016

Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

Designing High-Performance Healthcare HVAC Systems

Tuesday, September 19, 2017 – 1:00 p.m. to 4:00 p.m.

Laboratory Design: The Basics and Beyond

Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems

Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016

Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.

Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! New ASHRAE-Classified Refrigerants to Meet

Society's Changing Needs

Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Dallas • Doha • Hartford • Toronto

HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II — Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray (kmurray@ashrae.org) to discuss scheduling ASHRAE HVAC Training in your Chapter area.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

INDUSTRY ARTICLE

Governor Cuomo Announces Imperium3 New York to Establish Lithium Ion Battery Giga-Factory in the Southern Tier

www.governor.ny.gov

By Press Office of NYS Governor Oct. 04, 2017

Governor Andrew M. Cuomo today announced Imperium3 New York, Inc., a consortium of businesses spearheaded by three Southern Tier companies, will establish research and development and production operations at the Huron Campus in Endicott, Broome County. The consortium will invest more than \$130 million and create at least 230 new jobs over the next five years. Imperium3 New York will commercialize an innovative technology for making more efficient and less expensive lithium ion batteries while operating the state's first giga-factory producing lithium ion batteries, producing three gigawatts of batteries by Q4 2019 and growing to fifteen gigawatts.

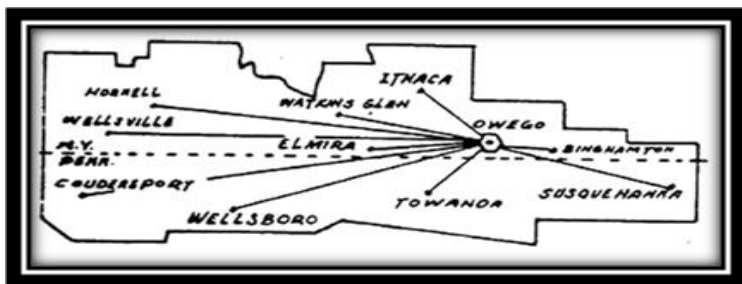
"This consortium of local businesses is choosing to stay and invest their next generation technology right here in the Southern Tier, breathing new life into vacant facilities and creating hundreds of good jobs for New Yorkers," Governor Cuomo said. "Our investments to improve the business climate and spur economic development across Upstate New York are paying off, and this innovative project is yet another example of how the Southern Tier is soaring."

The Imperium3NY consortium was formed by nearly 10 companies, with three Southern Tier companies serving as its backbone:

- C4V (Binghamton) will provide the core intellectual property
- C&D Assembly (Groton) is supplying electronic board assembly and battery testing
- Primet Precision Materials (Ithaca) is offering advanced processing of materials

Other New York State companies involved include Kodak and CMP Advanced Mechanical Solutions. The general market for lithium-ion batteries continues to grow daily and serves multiple industries, including renewable energy projects, electric vehicle manufacturers, cell phone and other electronic product makers, among many others. Industry experts consider C4V's batteries to be more efficient and less costly than other lithium-ion batteries on the market today.





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

INDUSTRY ARTICLE

Governor Cuomo Announces Imperium3 New York to Establish Lithium Ion Battery Giga-Factory in the Southern Tier (Cont.)

Imperium3NY will locate operations at the Huron Campus in Endicott, establishing a new \$130 million lithium-ion battery production giga-plant and hiring 232 employees, ultimately ramping to 15 giga-watts of production and hundreds more jobs. To encourage this collaborative effort, Empire State Development has offered performance-based incentives totaling \$7.5 million, including a \$4 million Upstate Revitalization Initiative grant and \$3.5 million in Excelsior Jobs Program tax credits. Additionally, Imperium3NY is expected to qualify for an estimated \$5.75 million in New York Investment Tax Credits.

In 2016, C4V was recognized for its innovative battery storage technology when it was named a \$500,000 winner in New York State's first 76West Clean Energy Competition. Administered by the New York State Energy Research and Development Authority, 76West is one of the largest competitions in the country that focuses on supporting and growing clean-energy businesses and expanding innovative entrepreneurship in the Southern Tier.

Additionally, Magnis Resources, Ltd., a publicly-traded Australian company, will provide anode materials needed for the consortium to make the innovative lithium-ion batteries; and Boston Energy and Innovation, another Australian business specializing in clean energy, will provide international sales and marketing opportunities. More than twenty international companies have been qualified by C4V as strategic suppliers of high-quality lithium, electrolyte, separator and other critical raw ingredients to Imperium3NY that includes a Lithium mine just hours from Binghamton.

Dr. Shailesh Upreti, President of C4V, said, "We are excited by the support shown to our consortium by the New York State Government. Green manufacturing in combination with the best utilization of an existing infrastructure in a distributed fashion would create an unmatched example internationally and make New York a global leader in product and component manufacturing for energy storage. C4V is very excited to be part of this scale up initiative and is fully committed to make this happen right here in New York."

Jeff Cronk, CEO of C&D Assembly, said, "My company has always been about the local content, local skill and all markets. We have been supplying electronics parts, components and end products to global market for last 25 years and actively looking for new projects that govern the future of the human race. C&D's current manufacturing floor is capable of handling battery management system production for up to 20GWh annually assuming each battery is 80kWh in size. Our knowledge base and deep understating of product quality control would give the New York consortium a significant edge in the market and I am very excited to be part of this consortium."





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

INDUSTRY ARTICLE

Governor Cuomo Announces Imperium3 New York to Establish Lithium Ion Battery Giga-Factory in the Southern Tier (Cont.)

Robert Dobbs, President of Primet Precision Materials, said, "Performance of a battery lies in the material composition and particle features. A good control over particle shape and size is key to extract best performance out of a molecule. Primet has developed and demonstrated its powder technology on tonne scale with various materials used in Li-ion batteries. Our demonstrated ability to reduce the capital investment as well as operational expenses would allow this consortium to build batteries that are not only high performing but also very economical versus batteries from Asia."

Empire State Development President, CEO and Commissioner Howard Zensky said, "The Southern Tier is becoming a hub for research, innovation and advanced manufacturing, and Imperium3NY's decision to establish a giga-factory in Endicott is yet another indicator of the region's bright future. This project will create hundreds of jobs and we are thrilled to see a concept that was developed here, will be commercialized right here in Upstate New York."

Alicia Barton, President and CEO, NYSERDA said, "This new consortium is a tremendous step forward in helping New York meet Governor Cuomo's aggressive clean energy goals by supporting both this emerging industry and new start-up companies. One of the reasons the 76West Clean Energy Competition exists is to enable companies to grow their businesses and create jobs in the Southern Tier, and we are thrilled that C4V has a central role in this project and in the Southern Tier's clean energy ecosystem."



"Governor Cuomo Announces Imperium3 New York to Establish Lithium Ion Battery Giga-Factory in the Southern Tier" *New York State Governor Andrew M. Cuomo*. Press Office of the New York State Governor, 4 Oct. 2017. Web. 10 Oct 2017. <<https://www.governor.ny.gov/news/governor-cuomo-announces-imperium3-new-york-establish-lithium-ion-battery-giga-factory-southern>>.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

INDUSTRY ARTICLE

Governor Cuomo Announces the City of Cortland as \$10 Million Central New York Region Winner of Second-Round Downtown Revitalization Initiative

www.governor.ny.gov

By Press Office of NYS Governor Oct. 06, 2017

Governor Andrew M. Cuomo today announced that the City of Cortland will receive \$10 million in funding as the Central New York winner of the second round of the Downtown Revitalization Initiative. As in the first round of the DRI, one municipality from each of the state's 10 regional economic development regions will be selected as a \$10 million winner, marking another overall state goal to target \$100 million in funding and investments to help communities identify catalytic downtown projects to boost the local economy.

"New York continues to invest in our communities to attract the next generation of leaders and spur businesses development in downtowns across the state," **Governor Cuomo said.** "This funding will bring new life to downtown Cortland and assisting in its transformation into an economic engine for the entire region."

The Central New York Regional Economic Development Council went through a competitive review process of proposals from communities throughout the region and considered eight criteria before recommending Watertown as its nominee for winner:





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

INDUSTRY ARTICLE

Governor Cuomo Announces the City of Cortland as \$10 Million Central New York Region Winner of Second-Round Downtown Revitalization Initiative (Cont.)

- The downtown should be compact, with well-defined boundaries;
- The municipality, or the downtown's catchment area, should be of sufficient size to support a vibrant, year-round downtown;
- The downtown is able to capitalize on prior or catalyze future private and public investment in the neighborhood and its surrounding areas;
- There should be recent or impending job growth within, or in close proximity to the downtown that can attract workers to the downtown, support redevelopment and make growth sustainable;
- The downtown must be an attractive and livable community for diverse populations of all ages, including existing residents, millennials and skilled workers;
- The municipality should already embrace or have the ability to create and implement policies that increase livability and quality of life, including the use of local land banks, modern zoning codes and parking standards, complete streets plans, energy efficient projects, green jobs, and transit-oriented development;
- The municipality should have conducted an open and robust community engagement process resulting in a vision for downtown revitalization and a preliminary list of projects and initiatives that may be included in a DRI strategic investment plan; and
- The municipality has identified transformative projects that will be ready for implementation with an infusion of DRI funds within the first one to two years.

"This funding will bring new life to downtown Cortland and assisting in its transformation into an economic engine for the entire region."

Governor Andrew M. Cuomo

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**Thank you
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Dominick DeLucia
Project Engineer

ddelucia@taitem.com
Taitem Engineering, PC
110 South Albany Street
Ithaca, New York 14850
v 607.277.1118 x120
c 315.729.5545

www.taitem.com

Chris Devins
Sales Engineer



15 Technology Place
Syracuse, NY 13057
Office (315) 234-1501 Cell (315) 313-3848
Fax (315) 433-9120
chris.devins@trane.com
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Trane Commercial Systems
15 Technology Place
East Syracuse, NY 13057
Office (315) 234-1509 Mobile (315) 382-2350
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CHRIS WOLAK
Engineering Specialist

26 Canterbury Trail
Fairport, NY 14450
Email: Chris.Wolak@Victaulic.com

Cell: 484/350-1954

Camfil USA, Inc.

6600 Deere Road
Syracuse, NY 13206
Tel: 315-468-3849
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Twin Tiers Chapter– Employment Opportunities



TETRA TECH

MECHANICAL ENGINEER

Tetra Tech is a leading provider of consulting, engineering, and technical services worldwide. Our reputation rests on the technical expertise and dedication of our employees—16,000 people working together across disciplines and time zones to provide smart, sustainable solutions for challenging projects. We are proud to be home to leading technical experts in water, environment, infrastructure, resource management, energy, and international development. Tetra Tech combines the resources of a global, multibillion dollar company with local, client-focused delivery in 400 locations around the world. We offer competitive compensation and benefits and are searching for innovative people to join our teams.

Tetra Tech A&E provides planning, design and construction phase services for a wide range of building types and clients, from K-12 and higher education facilities in New York to facilities supporting governments worldwide. We currently seek a Mechanical Engineer to work out of our Ithaca NY or Albany NY office.

Responsibilities include:

- Design of building mechanical systems (HVAC) including appropriate system concepts, calculations, energy modeling, layout, sizing, selections, specifications and coordination
- Perform site visits of existing mechanical systems for evaluation or to inspect work in progress or completed
- Review and respond to team member on project design work, RFIs, submittals, and other construction related documents and issues in a professional and timely manner
- Monitor and control project progress against scope, schedule, and budget
- Attend client meetings and assist in marketing efforts

Requirements:

- Bachelor's degree in Mechanical Engineering, Mechanical Engineering Technology, or similar field with 8 years of experience designing building mechanical (HVAC) systems.
- Experience with Design of mechanical (HVAC) systems for educational facilities is desired.
- Licensed Professional Engineer (PE) or EIT and preparing to obtain professional licensure preferred.
- Proficient in AutoCAD and Revit/BIM with working knowledge of MS Office.
- Proficiency with building energy modeling concepts and software preferred.
- Knowledge of applicable codes and standards.
- Possesses and applies a broad knowledge of principles, practices and procedures to the completion of difficult assignments.
- Knowledge of and demonstrated interest in energy efficient solutions and designs.

If you are interested in this exciting opportunity apply on-line at: <http://www.tetrattech.com/en/careers>

Tetra Tech is committed to creating a diverse environment and is proud to be an Equal Opportunity Employer. We invite resumes from all interested parties including women, minorities, veterans and persons with disabilities. Tetra Tech is a VEVRAA federal contractor and we request priority referral of veterans for available positions.

EOE AA M/F/Vet/Disability



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities



TETRA TECH SENIOR MECHANICAL ENGINEER

Tetra Tech is a leading provider of consulting, engineering, and technical services worldwide. Our reputation rests on the technical expertise and dedication of our employees—16,000 people working together across disciplines and time zones to provide smart, sustainable solutions for challenging projects. We are proud to be home to leading technical experts in water, environment, infrastructure, resource management, energy, and international development. Tetra Tech combines the resources of a global, multibillion dollar company with local, client-focused delivery in 400 locations around the world. We offer competitive compensation and benefits and are searching for innovative people to join our teams.

Tetra Tech A&E provides planning, design and construction phase services for a wide range of building types and clients, from K-12 and higher education facilities in New York to facilities supporting governments worldwide. We currently seek a Senior Mechanical Engineer to work out of our Ithaca NY, Albany NY, Farmingdale NY, or Marlborough, MA office.

Responsibilities include:

- Design of building mechanical systems (primarily HVAC) including appropriate system concepts, calculations, energy modeling, layout, sizing, selections, specifications and coordination
- Perform site visits of existing mechanical systems for evaluation or to inspect work in progress or completed
- Acts as lead engineer on projects and provides conceptual guidance to Mechanical Designers and Mechanical Engineers on wide range of projects.
- Provides consultation to professional co-workers. Mentors junior level department designers.
- Review and respond to team member on project design work, RFIs, submittals, and other construction related documents and issues in a professional and timely manner
- Monitor and control project progress against scope, schedule, and budget
- Attend client meetings and assist in marketing efforts

Requirements:

- Bachelor's degree in Mechanical Engineering, Mechanical Engineering Technology, or similar field with 15 years of experience designing building mechanical (HVAC) systems.
- Experience with design of mechanical (HVAC) systems for educational and federal facilities is desired.
- Licensed Professional Engineer (PE) in New York State, with ability to be licensed in other states as requested.
- Proficient in AutoCAD and Revit/BIM with working knowledge of MS Office.
- Proficiency with building energy modeling concepts and software preferred.
- Knowledge of applicable codes and standards.
- Possesses and applies a broad knowledge of principles, practices and procedures to the completion of difficult assignments.
- Knowledge of and demonstrated interest in energy efficient solutions and designs, and in LEED strategies and designs.

If you are interested in this exciting opportunity apply on-line at: <http://www.tetratech.com/en/careers>



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities



Senior Mechanical Engineer

Engineers thrive on solving problems by putting their logic and creativity together. They are able to invent, explore, and question to enhance the areas around us. IBI Group engineers work in multiple disciplines and collaborate on larger initiatives.

IBI Group's Binghamton, New York office is searching for a Senior Mechanical Engineer to join its growing team.

Are you looking for a challenging opportunity that can move your career to the next level?

Then come discover what IBI has to offer.

IBI Group offers you a career you can Define...Discover It!

Responsibilities:

- Responsible for the technical and design development for assigned projects.
- Functions in the role of project leader and handles project management tasks and supervises the mechanical design and technical aspects.
- Produces design work according to established standards, methods, and procedures of the office.
- Coordinates and develops the layout, design, drafting, and specifications produced by architectural and engineering staff members who are part of the project team.
- Develops project cost estimates.
- Supervises technical staff and provides design guidance.
- Supervises the preparation and checks the accuracy of contract documents.
- Incorporates applicable codes, construction techniques, and sequences in various projects including all aspects of cross disciplines.
- Conducts site observations as required to perform the design.
- Conducts site observations of mechanical systems during construction operations. Performs other associated construction phase tasks.

Qualifications:

- Experience in designing HVAC systems for educational, commercial, institutional, and industrial facilities
- In addition to HVAC system design experience; experience with Plumbing design and Fire Protection design strongly desired.
- At least 5 years design experience
- Bachelor's degree in Mechanical Engineering
- EIT required; Registration as a Professional Engineer in New York State strongly desired
- Working knowledge of AutoCAD, BIM/Revit
- Effective communication (verbal and written) in English
- Strong team player
- Highly proactive and detail oriented
- LEED certification is a strong asset

We are a global team of dedicated and experienced architects, engineers, planners, designers and technology professionals who share a common desire – to help our clients create livable, sustainable, and advanced urban environments.

From high-rises to industrial buildings, schools to state-of-the-art hospitals, transit stations to highways, airports to toll systems, bike lanes to parks, we design every aspect of a truly integrated city for people to live, work, and play.

Our collaborative and combined approach focuses not only on creating the best solutions today, but also determining the right solutions for tomorrow.

We believe cities in the future must be designed with intelligent systems, sustainable buildings, efficient infrastructure, and a human touch.

At IBI, we're defining the cities of tomorrow.

Applicants for U.S. based positions with IBI Group must be legally authorized to work in the United States. Verification of employment eligibility will be required at the time of hire. Visa sponsorship is not available for this position.

IBI Group is an Equal Employment Opportunity/Affirmative Action Employer and maintains a Drug-Free Workplace.

EOE-M/F/Vet/Disability

Contact: Linda Gauld linda.gauld@ibigroup.com (+1 519 472 7328 ext 261)



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities



Design Your Career

Senior Mechanical Engineer – Buildings

Your Opportunity:

Our Buildings Engineering group specializes in the design and development processes unique to buildings. Working closely with our clients, our dedicated professionals help to establish and understand the needs of a range of building projects. This is where great ideas and rewarding careers are built. For both public and private sector clients, we provide unique plan checking capabilities as well as energy engineering and performance engineering services, covering each of the major engineering disciplines- structural, mechanical, and electrical. In addition, we bring together innovative and functional design solutions for companies involved in the discovery, research and development, and commercial scale manufacturing of pharmaceuticals, biotechnology, and medical device products. Focused on providing cost-effective solutions to engineering challenges, we are involved in a diverse range of projects from the initial planning stages to design, construction, and commissioning. Our structure cultivates career growth and provides opportunities as unique as you are.

Your Duties:

- Duties will include but are not limited to preparation of project proposals and resulting contracts, project implementation plans, resource planning, quality control and design review, project team review and coordination, client, and financial management.
- May assist as mechanical engineering lead overseeing the engineering & design of plumbing / fire protection / HVAC and other mechanical systems for new and renovated buildings.
- Mechanical engineering - actual designs including the completion of code reviews, preparation of the basis of design, system calculations, mark-up of drawings, specification preparation, field investigations, construction estimating and site inspections and other such design as required to execute the mechanical construction for new or renovated buildings.
- May perform project manager duties as needed.
- Some travel to site locations or other Stantec offices may be required.

Your Capabilities and Credentials:

The successful candidate will possess:

- Requires a B.Sc. Mechanical Engineer
- NYS PE desired, registration in other states a plus
- 7+ years' experience required
- Must have strong Mechanical Engineering skills in Plumbing, Fire Protection, HVAC, and related mechanical systems
- Prior management experience is a plus
- Prior consulting engineering experience is required
- Experience using Autocad, Revit, Trane Trace or Equest is a plus
- Excellent verbal and written communication skills
- Excellent interpersonal skills with team members and clients

We put people first, and it shows. We're proud to be one of New York's Best Places to Work, as named by The Business Council of New York and NYS-SHRM.

Please apply online directly at:

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American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities

FACILITY MECHANICAL / HVAC ENGINEER

CORNING

Job Number: 180818

Location: Corning, NY

Are you interested in “Life Changing Innovation”? As with Thomas Edison, we have a history of working with the world’s greatest innovators. We solve our customers’ most complex problems that others can’t or won’t. Collaboration, Innovative Spirit and Career Development are just a few of the reasons world class professionals choose Corning Incorporated for a career. We are headquartered in Corning - a vibrant city in Upstate, NY where residents enjoy the benefits of a rich arts and culture scene, one of the world’s fastest-growing wine regions and a family friendly area with affordable homes and quality education.

Corning is the world leader in specialty glass and ceramics, creating and manufacturing keystone components that enable high-technology systems.

Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment in R&D, more than 160 years of materials science and process engineering knowledge, and a distinctive collaborative culture.

Scope of Position:

- Provide HVAC engineering & project leadership in a corporate engineering group that supports all divisions within Corning Incorporated.
- Apply fundamental engineering principles to develop, design & resolve solutions to a variety of technical problems related to HVAC and facility mechanical systems & processes.
- Develop criteria and specifications for various facility equipment, systems & processes.
- Collectively work with division, process, plant & R&D resources on project teams.
- Develop, review & forecast capital & expense design, equipment & installation project costs.

Day to Day Responsibilities:

- Deliver strong project leadership skills through the project initiation, planning, implementation and closeout phases.
- Develop project concepts, scopes, estimates, schedules, design, installation & startup documentation.
- Exercise sound judgment, solid engineering principles and utilize structured problem solving techniques.
- Lead, guide, coach & help develop internal Corning & contingent employees as well as external contractors.
- Actively work and participate in project teams in various roles and capacities.
- Effectively listen and communicate utilizing multiple channels and means.

Travel Requirements:

- Travel can be greater than 50% both Domestic and International.
- Project assignments can be in excess of 1-2 years in duration.

Hours of work/work schedule/flex-time:

- Flexibility is required.
- Normal Business Hours (8 – 5, M – F): however, expected to work hours required to achieve objectives. Includes overtime, weekend and off-shift hours.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities

FACILITY MECHANICAL / HVAC ENGINEER (Cont.)

CORNING

Required Education:

- BS degree in Mechanical Engineering
- MS in Mechanical Engineering preferred.

Required Years and Area of Experience:

- 5-10 years of engineering & professional work experience.
- Required Skills:
- Excellent project leadership, HVAC engineering, installation and start-up skills.
- Able to apply HVAC & Mechanical engineering principles to concepts, designs, trouble shooting and solving problems.
- Problem solving skills and the use of structured methods; such as, K-T (DA, PPA, RA), DESGN & DMAIC.
- Excellent communication and interpersonal skills.
- Excellent presentation skills.
- Solid HVAC & Mechanical system trouble shooting capabilities & experience.
- Project estimating, forecasting and scheduling experience.

Desired Skills:

- Proficient in MS Project & SharePoint.
- Experience with AutoCad and Solidworks.
- Professional Engineering Certification.
- PMI certification.
- Proficiency in Mandarin, Spanish or Japanese.

Soft Skills:

- Results oriented.
- Strives for excellence & high quality.
- Strong commitment and work ethic.
- Positive attitude.
- Flexible and adaptable.
- Open, honest & trustworthy.
- Strong listening & communication skills.
- Approachable and a team player.

EOE/AA including Veterans and Disabled.

IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT ANNE LAPORTE AT 716-276-3837 OR LAPORTEAM@CORNING.COM



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities

Facilities Engineering Project Manager

Job Number: 182585

Location: Corning, NY

CORNING

Are you interested in “Life Changing Innovation”? As with Thomas Edison, we have a history of working with the world’s greatest innovators. We solve our customers’ most complex problems that others can’t or won’t. Collaboration, Innovative Spirit and Career Development are just a few of the reasons world class professionals choose Corning Incorporated for a career. We are headquartered in Corning - a vibrant city in Upstate, NY where residents enjoy the benefits of a rich arts and culture scene, one of the world’s fastest-growing wine regions and a family friendly area with affordable homes and quality education. Corning is the world leader in specialty glass and ceramics, creating and manufacturing keystone components that enable high-technology systems.

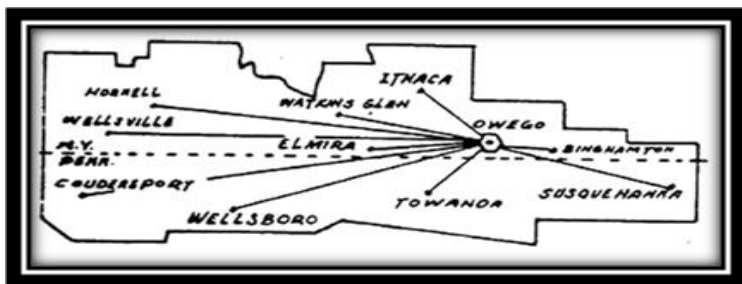
Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment in R&D, more than 160 years of materials science and process engineering knowledge, and a distinctive collaborative culture.

Scope of Position:

Manage the development and implementation facility and capital projects involving departmental and/or cross-functional teams focused on the construction of new or existing productions facilities.

Day to Day Responsibilities:

- Provide project management for key manufacturing capital projects. Overall responsibility for the ensuring the project’s compliance with safety, scope schedule, cost, and other project specific deliverables such as those associated with product quality, equipment and process capability, machine and line rates, equipment uptime, etc.
- Direct supervision of project team resources, approximately 10 – 15 members. Provides guidance to subordinates to achieve goals in accordance with established policies.
- Establish requirements with customer.
- Assist in the evaluation and verify justification for project.
- Identifies and drives key decisions for such things as scope, design, schedule, spending, vendor selection, etc.
- Establish roles, responsibilities and competencies required for the project.
- Establish project team working with division management.
- Manage the performance of team members and outside resources to meet the project requirements.
- Establish project plans (scopes, schedule, cost estimates, procurement/contracting strategy, project acceptance criteria, etc.).
- Work with business in the preparation and approval of Appropriation Requests.
- Conduct project meetings and document key issues, action items and decisions.
- For key projects, establish and coordinate activities of a steering committee for the project.
- Provide periodic project updates to customer and division management.
- Manage the project to meet the requirements.
- Implement safety program to ensure that LTAs and Recordable Incidence rate = or < Corporate targets.
- Conduct a project critique at completion and share key learning’s with others unassociated with the project.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities

Facilities Engineering Project Manager (Cont.)

CORNING

Travel Requirements:

- Able to travel extensively including overseas. Assignment could involve long term domestic or international assignments.

Hours of work/work schedule/flex-time:

- Basic work hours are dependent on the particular assignment. Individuals need to work the hours required to complete the assignment. Work hours can vary from 40 to 60 hours per week depending on the needs of the project

Required Education:

- BS Mechanical, Electrical or Civil Engineering
- MS or MBA preferred

Required Years and Area of Experience:

- 10 to 15 years overall experience and 5 years in Project management
- Professional Engineering registration or PMI certification desired

For a full position description and requirements please visit the ASHRAE Twin Tiers Website.
<http://twintiers.ashraechapters.org/>

EOE/AA including Veterans and Disabled.

IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT ANNE LAPORTE AT 716-276-3837 OR LAPORTEAM@CORNING.COM



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities

Environmental Design Engineer

CORNING

Job Number: 180817

Location: Corning, NY

Are you interested in “Life Changing Innovation”? As with Thomas Edison, we have a history of working with the world’s greatest innovators. We solve our customers’ most complex problems that others can’t or won’t. Collaboration, Innovative Spirit and Career Development are just a few of the reasons world class professionals choose Corning Incorporated for a career. We are headquartered in Corning - a vibrant city in Upstate, NY where residents enjoy the benefits of a rich arts and culture scene, one of the world’s fastest-growing wine regions and a family friendly area with affordable homes and quality education. Corning is the world leader in specialty glass and ceramics, creating and manufacturing keystone components that enable high-technology systems.

Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment in R&D, more than 160 years of materials science and process engineering knowledge, and a distinctive collaborative culture.

Scope of Position:

- Provide Environmental engineering, air/water pollution control & project leadership in a corporate engineering group that supports all divisions within Corning Incorporated.
- Apply fundamental engineering principles to develop, design & resolve solutions to a variety of technical problems related to environmental facility systems & processes.
- Develop criteria and specifications for various facility, environmental, air/water pollution controls, equipment, systems & processes.
- Collectively work with division, process, plant & R&D resources on project teams.
- Develop, review & forecast capital & expense design, equipment & installation project costs.

Day to Day Responsibilities:

- Deliver strong project leadership skills through the project initiation, planning, implementation and closeout phases.
- Develop project concepts, scopes, estimates, schedules, design, installation & startup documentation.
- Exercise sound judgment, solid engineering principles and utilize structured problem solving techniques.
- Lead, guide, coach & help develop internal Corning & contingent employees as well as external contractors.
- Actively work and participate in project teams in various roles and capacities.
- Effectively listen and communicate utilizing multiple channels and means.

Travel Requirements:

- Travel can be greater than 50% both Domestic and International.
- Project assignments can be in excess of 1-2 years in duration.

Hours of work/work schedule/flex-time:

- Flexibility is required.
- Normal Business Hours (8 – 5, M – F): however, expected to work hours required to achieve objectives. Includes overtime, weekend and off-shift hours.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities

Environmental Design Engineer (Cont.)

CORNING

Required Education:

- BS degree in Environmental Engineering required.
- MS in Environmental Engineering preferred.

Required Years and Area of Experience:

- 5-10 years of engineering & professional work experience.

Required Skills:

- Excellent project leadership, mechanical engineering, installation and start-up skills.
- Able to apply environmental engineering and air/water pollution control principles to concepts, system designs, trouble shooting and solving problems.
- Problem solving skills and the use of structured methods; such as, K-T (DA, PPA, RA), DESGN & DMAIC.
- Excellent communication and interpersonal skills.
- Excellent presentation skills.
- Strong facility environmental system trouble shooting capabilities & experience.
- Project estimating, forecasting and scheduling experience.

Desired Skills:

- Proficient in MS Project & SharePoint.
- Experience with AutoCad and Solidworks.
- Professional Engineering certification.
- PMI certification.
- Proficiency in Mandarin, Spanish or Japanese.

Soft Skills:

- Results oriented.
- Strives for excellence & high quality.
- Strong commitment and work ethic.
- Positive attitude.
- Flexible and adaptable.
- Open, honest & trustworthy.
- Strong listening & communication skills.
- Approachable and a team player.

EOE/AA including Veterans and Disabled.

**IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT
DAVID WATKINS AT 716-688-6751 OR WATKINS@CORNING.COM**



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities

LABELLA

Associates

Engineering
Architecture
Environmental
Planning

SENIOR MECHANICAL ENGINEER – PROJECT MANAGER

LaBella Associates, D.P.C. is one of the area's Top 2015 Workplaces. We are headquartered in Rochester's High Falls District with offices across New York and in Maine, North Carolina, Ohio, Pennsylvania, and an office in Madrid, Spain. We are a multi-disciplined architectural and engineering firm dedicated to client satisfaction through teamwork, respect, and trust.

We are currently seeking a Senior Mechanical Engineer to lead mechanical project teams in our Elmira Heights, NY office. Project work will involve clients in multiple Market Sectors. This position will report to the Mechanical Engineering Discipline Leader.

Responsibilities:

- Work closely with the mechanical engineering staff to develop concepts, strategies, construction documents and engineering reports for new building and renovation projects.
- Assist the energy group in conducting Energy Audits for Municipal, Commercial, and Industrial clients.
- Recognize energy reduction potential in buildings through the use of high efficiency equipment.
- Mentoring, guidance and performance appraisal for the mechanical engineering team.
- Client and Business Development.
- Proposal writing to initiate new business.
- Work with Commissioning Teams as necessary to provide reinforcement to this market focus.

The ideal candidate will possess:

- Bachelor's degree in Mechanical Engineering.
- Minimum 10 years engineering experience with a professional A/E services firm.
- Strong writing, organizational and communications skills
- Ability to work under pressure, and multi-task efficiently
- A New York PE license is mandatory.
- Familiarity with NYSERDA and the related incentive programs.

Resumes should be accompanied by a cover letter demonstrating how your past experience qualifies you for this position. All inquiries will be kept confidential.

LaBella offers a strong benefits package including health insurance, dental insurance, professional development, paid time off, 401k and much more.

<https://home.eease.com/recruit/?id=14921471>



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Employment Opportunities

LaBella

Associates

Engineering
Architecture
Environmental
Planning

Mechanical Engineer

LaBella Associates, D.P.C. is one of the area's Top 2015 Workplaces. We are headquartered in Rochester's High Falls District with offices across New York and in Maine, North Carolina, Ohio, Pennsylvania, and an office in Madrid, Spain. We are a multi-disciplined architectural and engineering firm dedicated to client satisfaction through teamwork, respect, and trust.

We are currently seeking a Mechanical Engineer with a strong focus and background in Building Projects to work in our Elmira Heights, NY Office. This position will work closely with the mechanical engineering staff to develop concepts, strategies, designs, drawings, specifications and reports.

Individual must be able to work independently, as well as part of multi-discipline teams producing mechanical engineering documents. Individual must have well rounded experience in HVAC design. Energy conservation and commissioning experience is a plus. A Bachelor's degree and minimum of 4 years of experience working at an A/E consulting firm preferred.

Resumes should be accompanied by a cover letter demonstrating how your past experience qualifies you for this position. All inquiries will be kept confidential.

LaBella offers a strong benefits package including health insurance, dental insurance, professional development, paid time off, 401k and much more.

<https://home.eease.com/recruit/?id=14921441>



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Business Cards Advertisement for Newsletter

ADVERTISE your business card:

- Current business card adds will expire at the end of this year, December 31, 2017.

- New subscription will run the calendar year 2017.
- Cost to advertise for the 2017 year is \$50.
- Sign up now for the 2017 year On Pay Pal <http://twintiers.ashraechapters.org>

Or Send Check and copy of business card to Twin Tier News Letter Editor:

Meier Supply Co.
Attn: Andrew Nice
275 Broome Corporate Parkway
Conklin, NY 13748

- Email a copy of your business card to Twin Tier Newsletter Editor Email.

From Web site please visit: <http://twintiers.ashraechapters.org>

Go to the News Letter tab, and place your order to advertise your business card.

Business Card Advertising 2017

The Twin Tiers Chapter of ASHRAE can accept business card advertising with the following provisions:

- The company must be associated with HVAC&R technology.
- The company must be a local service provider, a local manufacturer, or a manufacturer's representative serving the area.

If you aren't sure, just ask.

We are now accepting business card advertisements for the newsletters that will be published in 2017. This is a great opportunity to get your name and business in front of the over 200 subscribers to our chapter newsletter. The price for the newsletter only is \$50 for the entire 2017 year.

Business card ads can be placed using a scanned electronic copy of your business card, or you can mail your card to me (please no staples or paper clips).

Questions? Call or email
Thank you for your support!
Andrew Nice

Twin Tier Newsletter Editor Email

**American Society of Heating, Refrigerating,
and Air-Conditioning Engineers, Inc.**



Comments? Suggestions?

Andrew Nice, Editor
c/o Meier Supply Co.
275 Broome Corporate Parkway, Conklin, NY 13748
anice@meiersupply.com

We welcome your feedback!



ASHRAE Mission Statement

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigerating and related human factors to serve the evolving needs of the public and ASHRAE members.

Ethics Requirement for PE

PE's in NYS will be required to have one hour of Ethics within their 36 hours of continuing education for registration periods beginning August 1, 2011 and after.

ASHRAE Vision Statement

ASHRAE will be the global leader in the arts and sciences of heating, ventilation, and air conditioning.

ASHRAE will be foremost authoritative, timely, and responsive source of technical and education information, standards and guidelines.

ASHRAE will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

***Advancing HVAC&R to
serve humanity and pro-
mote a sustainable world"***

Twin Tiers Chapter Mailing Address:
Twin Tiers ASHRAE Chapter
P.O. Box 6706
Ithaca, NY 14851-6706