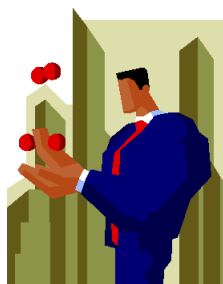




December/January Newsletter

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This Month:



It is all about us

Our People:

The holiday season requires some dancing around when it come to scheduling. You may notice this in Decembers newsletter, as we only had two weeks between meetings.

AFE St. Louis, Chapter Officers announced!

President: Frank Kastl
 of TrizecHahn Office Properties
Vice president: Terry Bremer
 of Guarantee Electrical Contracting Company
Secretary: Steve Saulich
 of French Gerleman
Treasurer: Chuck Mueller
 of Missouri Athletic Club

AFE St. Louis

AFE St. Louis chapter president announces our next VP, Treasurer, and Secretary at the Christmas Party.

The new issue of AFE's Facilities Engineering Journal is out. It is nice to see our new members listed on the members page (page 50). Please give a big welcome to Robert Stortz, Town & Country; David Guiot, St. Louis; Brent Noel, Chesterfield; and James McLean, Indianapolis, Ind.

We would also like to mention, although Robert is just now being recognized, he has been at every meeting this year. We appreciate the great support our members are giving us.

Another way you can support your local St. Louis Chapter, and reap great rewards can be viewed by [clicking here](#).

We are also constantly adding fun and valuable resources to AFESTLouis.org, so please check back on the website often. Also feedback on the site and the Newsletter would be very much appreciated.

Click the "[Comments](#)" button on the left. (or email webmaster@AFESTLouis.org)

Thanks



AFE St. Louis Party

The steering committee have a great year planned for us, as well as some tentative plans for all of 2002! ([see online calendar](#))

As well as a special thanks from Frank and the rest of our chapter, we would like to dedicate [a web page to them](#).

Also we would like to recognize our new chapter Treasure, Chuck Mueller, for attending the [Certification](#) classes at our national meeting in Las Vegas. Next time you see him, be sure and congratulate him on his success.

In the upcoming months, we want photos of our members and a business card to put online. (So comb your hair at those meetings :>)

Our New Membership Badges:



Thanks to our new Vice President, Terry Bremer, for designing the new name badges that will make our members proud to where them. [Please check out the secrets behind the design, by clicking here.](#) :>

Our City:

Our Christmas party was on the 40th floor of the tallest building in Missouri. Given these facts, we can't help but marvel at St. Louis and it's wonderful architecture. ([Please Click here to learn more](#))

We also encourage you to follow up the print version of this newsletter, with a visit to the online version for more details.

www.AFESTLouis.org



We invited all Engineers, Maintenance Managers, and Building energy Directors to our A.F.E. Christmas Party. We had a great showing, sorry if you missed it.



The president announced the new AFE St. Louis officers, and we all had a great time.

Get Involved

In your St. Louis Chapter

Learn, Lead, and Influence

It is not often we in the Facility Maintenance profession, we see 25% discounts, but through AFE we are.

To support AFE, [Life Cycle Engineering](#) is extending a 25% discount to AFE members who [enroll in 2002 programs](#). This offer expires December 31, 2001. To learn more about this great offer, [please right click here and download this information](#).

Thru involvement you can fully experience AFE's resources to help you learn, lead, and influence. We have a lot of fun and educational events planned. Please [take part](#) in the planning and other activities. We challenge all our St. Louis Chapter members to [get involved](#), and see how AFE improves your life.

St. Louis Tour/Meeting:



End User's in the St. Louis Area

The party was Wednesday (Dec 12, 2001 @ 5:30 P.M.) at the [Noonday Club](#) located in the Metropolitan Square Building, 211 N. Broadway St., St. Louis, MO. 63102 Hors d'oeuvres were served along with an open bar.

Our January meeting is being planned, details to come soon. This will be a hot meeting.

Our group is growing so don't miss out.

Come and network with your St. Louis's A.F.E. Make some friends, eat, and have fun.

RSVPs accepted soon (check back often)



News Bits: News from over 2000 sources updated every minute. Click refresh button on your browser to see latest Facilities News!

Facilities Engineering World News

[Security and rates rising at county parking facilities...](#)

[Montgomery Newspapers](#) Mon Dec 24 03:53:31 CST 2001

[Illegals shatter island idyll
COCOS Islands residents off
WAs North-West say
facilities for asylum-seekers
are...](#)

[The West Online](#) Sun Dec 23 15:21:26 CST 2001



Our prayers go out to those victims of the attack on America, and their families.

AFE has a Relief Fund for those Facility personnel who fell victim to the 9-11 attack. [Please click here to learn more.](#)



[Click here to see how we are personally delivering your donations to the victims.](#)

By visiting our online version of this newsletter at ...

<http://www.afestlouis.org/Newsletter/>

What's new ...

- [New Advertising page](#)
- [New Search and Table of Contents](#)
- [How to select a Uninterruptible Power Supply system \(by Fabick\)](#)
- [Read about new tours and meeting with pictures.](#)
- [With almost 5000 categorized links, our web site is your one-stop portal to the WWW.](#)
- [November Tour Pics and Christmas Party too.](#)
- [More files in our download area.](#)



[Most facilities closed for Christmas \(12-23-2001\)...](#)

[SJC Online](#) Sun Dec 23 07:46:49 CST 2001

[Lee sheriff adds women, kids' facilities...](#)

[News-Press.com](#) Sun Dec 23 04:41:39 CST 2001

[Provide education facilities for remote area pupils councillors...](#)

[Republic of Botswana](#) Sat Dec 22 15:25:45 CST 2001

[Board debates funds for facilities plan...](#)

[Walker County Messenger](#) Sat Dec 22 14:54:45 CST 2001

[Holden orders state to weigh downtown areas for facilities...](#)

[Jefferson City News Tribune](#) Sat Dec 22 08:00:03 CST 2001

[Davis to issue \\$205 million in bond financing for Kaiser facilities...](#)

[East Bay Business Times](#) Sat Dec 22 07:03:24 CST 2001

St. Louis Tours:



at [Trane Company](#)

We want to thank Jamie Horton and all the others at Nooney Inc, for hosting our meeting. For those who could not make it, you can read about the tour in this news letter and online.

[\(Click to read about and view pictures\)](#)

We exist because of the continued support of our Sponsors. Chapter 26 thanks ALL of them for their continued support!



Student Chapter:

Please help our members at Southern Illinois University, by contacting [Dr. Spoerre](#) at SIU, to see what you can do to support our new student chapter.

These students are our future; let's invest a little time in our future.

GO TO  TOP

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webmaster@afestlouis.org



AFE-St. Louis's November Meeting/Tour

St. Louis Chapter 26 would like to express a special Thank You to
J. Horton - Trane Company
 Management - **Nooney Inc** for letting us use their building.

Thanks to all those members who showed their support by attending. We look forward to seeing you again at next month's meeting. To all our guests, we hope you found this event interesting. This is just one of the many benefits of belonging to our organization. We will enjoy seeing you at the next meeting. We hope that you all join the Association for Facilities Engineering.

Frank Kastl

President-AFE St. Louis (Chapter 26)

The Meeting:



Screw or Centrifugal chillers, that is the question.

This months tour was at 500 N. Broadway, where we could compare fairly new installations of Chillers by Trane Company. After Jamie educated us on the differences in application of screw and centrifugal chillers, the choice was no longer a question.

We started off meeting on the first floor for some refreshments and a slide presentation. Our host went over the differences between...

- **Centrifugal Chillers**, primarily large tonnage [above 1000 kW (300 tons)]
 - Pro: low energy cost per ton of cooling produced
 - Pro: small footprint
 - Pro: less vibrations
 - Con: drive produce high-frequency noise
 - Con: partial load performance
- **Screw Chillers** (50 - 400 tons)
 - Pro: quieter, vibration-free operation
 - Pro: less maintenance requirements
 - Con: less efficient
 - Con: high first cost



Centrifugal chillers are variable volume displacement units. Typically, an electric drive powers one or more rotating impellers that use centrifugal force to compress the refrigerant vapor. The cooling capacity is controlled through the use of inlet vanes on the impellers that restrict refrigerant flow. This makes a centrifugal unit equipped with a variable frequency drive (VFD) a more energy-efficient solution, for applications where the chiller is loaded less than 50%, for more than 50% of the time.



Then it was up the service elevator to the chiller room. It used to be ear plugs was not optional when walking into a room like this. Now days technology has came a long way with the much quieter centrifugal chiller.

Trane Case Studies

- *A Case for Chiller Conversion - Moving out of CFCs*
<http://www.trane.com/commercial/library/conv2.asp>
- *Pasadena Corporate Center Chooses Direct-Fired Absorption*
<http://www.trane.com/commercial/library/pasadena.asp>
- *Major Chiller Replacement Project Completed Over Three Day Weekend*
<http://www.trane.com/commercial/library/broward.asp>
- *Re-optimized Chiller Plant at Hewlett-Packard Features 2 GPM Design*
<http://www.trane.com/commercial/library/hp.asp>
- *Case Study for the State of New Mexico Buildings*
<http://www.trane.com/commercial/library/newmexico2.asp>

To learn more about Chillers, please view these selected articles on line at <http://www.afestlouis.org/Newsletter/NovMeeting.htm> ...

Chiller Checks

Cost-Effectiveness Example - Large Electric Chillers

Better Chill, Better pill

Rotary Screw Chillers

You may download a *demonstration version* of Demand Analyzer™ that simulates the energy performance of buildings with *DOE-2* (energy analysis software developed by Lawrence Berkeley National Laboratory) and displays the simulation results in various types of graphs and reports. Demand Analyzer enables a user to achieve the accuracy of an 8760 hour/year simulation with DOE-2, but without the need to understand the complexities of the DOE-2 Building Description Language (BDL), since the user simply selects a typical building prototype and then customizes the prototype using available options.

Hope to see more of you in our engineering ranks at our next meeting, as AFE members. :>)

Please see our *scrapbook* for more pictures.

Thanks Again Trane Company, **for the great time!**

AFE Members: We exist because of the continued support of our Sponsors. When you have needs, please show your appreciation by contacting them.

A special thanks to those who always volunteer.



Thanks to Our Officers: *(Left to Right)-*
Chuck (Treasurer), Terry (VP), Frank (President) and Steve (Secretary)

George Corey:

Thanks for many years donated as AFE St. Louis Chapter President the previous term. George has planned many tours/meetings including our [C&R Mechanical Company tour](#), and our [November Meeting at Trane Company \(coming soon\)](#). Thanks for organizing the 2001 golf outing, serving on our steering committee, as well as supporting our current chapter president, Frank Kastl.

Mike Jaby:

Thanks for Fabick Power Systems being our corporate sponsor, and hosting [Fabick Power Systems Tour/Meeting](#). Thanks for putting out the Christmas party flyer, and serving on our steering committee.

Terry Bremmer: (AFE Chapter 26, VP)

Thanks for hosting our [Guarantee Electrical Co./Meeting](#). and coordinating the upcoming March meeting with FBI on terrorism. Thanks for being our AFE photographer and serving on the steering committee. Thanks for chairing the committee to run the 2002 golf tournament and to raise money for our chapter.

Robert Stortz:

Thanks for serving on our steering committee, your valuable insight and your future commitment to our AFE Chapter. Especially, thanks for never missing a meeting!

Don Fitchett: (AFE Chapter 26, Webmaster)

Thanks for designing and maintaining our AFE St. Louis Web site, and newsletters. Thanks for representing us at the national meeting in Vegas and serving on past steering committees.

Robert Creech:

Thanks for hosting our [Laclede Gas building tour/meeting](#) and serving on the steering committee.