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***Building consultants, contractors, specifiers and facilities engineers:  
Learn ways to prevent electrical harmonics problems  
during ASHRAE's 2013 Winter Conference in Dallas***

***ebm-papst Inc.'s Armin Hauer to chair January 27 technical session***

**Farmington, Conn., October 18, 2012** — Building contractors and managers: want to reduce costs without jeopardizing electrical performance? Specifying engineers: want to hear about the new variable speed drive options available for new construction? Facilities engineers: want to learn new ways to manage electrical retrofit situations?

These building construction and maintenance experts will benefit from attending ***Smart Methods to Prevent Electrical Harmonics Problems in Buildings***, a technical session that will be offered during the American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE)'s 2013 Winter Conference, to be held January 27 at the Sheraton Dallas, 400 North Olive Street, Dallas.

As part of ASHRAE's Facility Management: Large Building Design technical track, the session will be chaired by Armin Hauer, advanced technology manager at ebm-papst Inc. Active in ASHRAE's technical committees on a national level, Armin brings 21 years of product innovation, engineering and service expertise to deliver air movement and drive systems for ebm-papst's customers.

Attendees at the electrical harmonics technical session will learn:

- About the current state of harmonic specifications in buildings.
- How to define harmonic distortion related to variable frequency drives in the commercial HVAC/R building environment.
- About the effects of high levels of harmonic distortion in buildings.
- To apply the IEEE 519 standard (<http://bit.ly/R4fldK>) to commercial buildings.
- To define when and where to use harmonic mitigation devices and estimate the economic impact of each type.
- To apply proper harmonic mitigation techniques and evaluate potential harmonic issues.

The January 27 harmonics session will provide practical guidance for applications of non-linear loads that are grid-operated and loads that are running off standby power supplies. Examples of reliable, economical, standard 6-pulse inverter drives will be contrasted against cases that should employ low harmonic drives. Case studies of how various drives have been utilized in large buildings will be discussed.

***more>>>***

For more information or to register for the January 27 technical session, *Smart Methods to Prevent Electrical Harmonics Problems in Buildings*, visit ASHRAE 2012's Winter Conference Technical Session page at <http://bit.ly/RM1tnP>.

ASHRAE's Winter Conference will be held in conjunction with the world's largest heating, ventilation, air conditioning and refrigeration trade event, the [AHR 2013 EXPO](#), to be held January 28-30 at the Dallas Convention Center. The show will feature more than 1,800 leading manufacturers and innovative new suppliers that will showcase the latest products and systems, building automation and controls, software and services, and more. Visit [ebm-papst's exhibit at Booth 2967](#).

**About ebm-papst Inc.**

ebm-papst is the world's leading source for engineered air movement products, providing a "total solution" approach and extensive in-house resources.

With its U.S. headquarters in Farmington, Conn. and offices in major cities throughout North America, the company's highly-skilled and experienced team of professionals solve heating, cooling and ventilation challenges for industries and applications including HVAC, refrigeration, gas and heating, household appliances, IT and telecom, industrial, drive systems, automotive and rail technology and more.

ebm-papst's way of doing business offers models for sustainability, efficiency, product innovation, skill development and community involvement. The company's [GreenTech](#) philosophy drives economic and ecological improvement in every product they develop. For more information, contact [sales@us.ebmpapst.com](mailto:sales@us.ebmpapst.com) or call 860.674.1515.