



## Industrial Heating Equipment Association Member Benefit Summary Sheet

**ihea.org**  
MAKING HEAT PROCESSES WORK

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### IHEA and Department of Energy (DOE) Partnership

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**SUMMARY OF BENEFIT:** Since 1999, IHEA has partnered with the DOE to accomplish the following:

- monitor and influence U.S. energy policy
- guide and direct DOE interaction with the energy-intensive thermal processing industry
- provide input for future development needs
- offer opportunities to participate in R&D programs
- keep IHEA members aware of the latest DOE developments affecting their businesses

#### SUMMARY OF SPECIFIC IHEA & DOE PROJECTS

**Process Heating Steering Committee** – Five IHEA members are on this committee, which advises the DOE on strategies for and implementation of various government programs related to thermal processing.

**Process Heating Roadmap** – IHEA worked with the DOE to develop and implement the Roadmap, which sets energy consumption and efficiency targets for U.S. users of heat processing equipment, and created a plan on how to reach their goals. This relationship and ongoing involvement gives IHEA enhanced credibility and visibility in the industry.

**PHAST (Process Heating Analysis & Survey Tool)** – IHEA helped the DOE develop this software tool, which performs a plant-wide analysis of energy consumption and efficiency, and suggests ways to improve energy efficiency. Only trained users are permitted to use the tool. IHEA members receive top priority to receive training.

**PHAST Qualified Specialist Training** – This multi-day training program is available to IHEA members, and is one step in becoming a qualified PHAST trainer. The program includes details on various aspects of PHAST, hands-on training in using the tool, and practical applications for using PHAST with heat processing equipment, such as ovens or furnaces.

**PHAST Training Program** – IHEA assisted in developing this one-day training program, which covers energy efficiency, equipment use, and the basic use of PHAST software. IHEA members have access to this training program.

**Grand Furnace Challenge** – This project will help the DOE and IHEA members gain a better understanding of the conditions of existing thermal processing equipment and the most critical areas where improvements can be made. The core of this project is an industry-wide survey of manufacturers with in-house thermal processing facilities. Data from this study will be compiled into a report which will be available to all IHEA members

**Process Heating Source Book** – The Source Book, developed with IHEA's assistance, is used throughout the heat processing industry. All IHEA members can have copies of Source Book at no charge to use for basic training of their employees and customers.