

Industrial Assessment Centers (IAC)

Industrial Technologies Program



IAC Program Benefits

- Objective information to help make plants cleaner more energy efficient
- Engineering students receive hands-on industrial experience
- Universities build valuable local industry relationships to maintain a practical focus in their engineering curriculum

Results

- \$5 million in funding in 2005 returned over \$25.5 million in new, implemented energy and dollar savings
- Investments made by IAC clients in these projects totaled over \$20 million



IACs also participate with their regional Manufacturing Extension Partnerships (MEPs)

Technical Assistance for Small and Medium Sized Manufacturers

As part of Save Energy Now, the Industrial Assessment Centers (IAC) provide energy, waste, and productivity assessments at no charge to small and mid-sized manufacturers. The assessments are performed by teams of engineering faculty and students from more than 26 participating universities across the country. Your company may be eligible for a IAC assessment, if your total energy bills are less than \$3.0 million and your plant meets other qualifying conditions.

The university-based IAC team conducts a 1-day site visit and performs an assessment to identify energy and cost savings opportunities. Within 60 days, a report detailing the analysis, findings, and recommendations is sent to the client. In 6 months, follow-up phone calls are placed to the plant manager. Centers are funded through the U.S. Department of Energy (DOE), Industrial Technologies Program (ITP).

Training for Students from America's Best Engineering Schools

The use of students in the IAC program has the added benefit of exposing and training gifted graduate and undergraduate students in industrial assessment and energy system management techniques. Often, this results in those students pursuing careers in this vitally important field. Currently, more than 250 students are being trained at centers around the country.

IAC Database

The IAC database is recognized as one of the most comprehensive industrial energy databases in the world. Information from 11,000 assessments conducted over the last 20 years is available free of charge, including:

- Typical savings for assessments in different industries
- Individual recommendations made for each assessment
- Rates of adoption of various recommendations
- Sorting by company size, geographical area, or cost of energy
- Implementation costs and paybacks for industrial energy projects
- Manuals and other technical documents.

Visit the database at www.iac.rutgers.edu/database.



U.S. Department of Energy

Energy Efficiency and Renewable Energy

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable

The IAC program supports ITP's Save Energy Now initiative, part of DOE's National campaign, "Easy Ways to Save Energy", unveiled by Secretary of Energy Samuel W. Bodman. Save Energy Now will provide U.S. industry with technical assistance and information to immediately save energy and money, in addition to reducing operating costs and increase productivity right now. For more information, go to www.eere.energy.gov/industry/saveenergynow.



For complete details on the IAC program, visit the Web site at www.eere.energy.gov/industry/bestpractices/iacs.html.

A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

For More Information, Contact:

EERE Information Center
1-877-EERE-INF
(1-877-337-3463)
www.eere.energy.gov

Or visit these Web sites:

Industrial Technologies Program (ITP)
www.eere.energy.gov/industry

ITP BestPractices
www.eere.energy.gov/industry/bestpractices

Industrial Assessment Centers
www.eere.energy.gov/industry/bestpractices/iacs

Save Energy Now
www.eere.energy.gov/industry/saveenergynow

Rutgers IAC Field Manager
www.iac.rutgers.edu

U.S. Department of Energy
Energy Efficiency and Renewable Energy
Washington, DC 20585-0121

Universities Operating IACs

- University of Alabama, Engineering Satellite: Tuskegee University
- Bradley University
- Colorado State University
- Georgia Institute of Technology
- Iowa State University
- Lehigh University
- Mississippi State University
- North Carolina State University Satellite: NC AT&T
- Oklahoma State University Satellites: University of Arkansas, Fayetteville; Wichita State University
- Oregon State University
- San Diego State University Satellite: Loyola Marymount University
- San Francisco State University
- Syracuse University
- Tennessee Tech University Satellite: University of Memphis
- Texas A&M University at College Station
- University of Dayton
- University of Delaware
- University of Florida
- University of Illinois at Chicago
- University of Louisiana at Lafayette
- University of Massachusetts
- University of Miami
- University of Michigan
- University of Missouri
- University of Washington
- West Virginia University

