

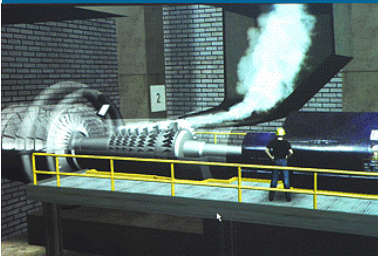


LINKING INDUSTRIES TO MILITARY TALENT

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Simulation-Based Training Facility Opens, Focusing on Power Generation Industry



Above Picture: A 3-D simulation of this gas turbine helps students understand the equipment they are controlling.
Georgia Tech Photo: Gary Meek

As utility company executives make plans to meet the growing electricity needs of the Southeast, they're also watching their most experienced personnel approach retirement age. Finding enough skilled personnel to operate complex power-generation facilities poses one of the most critical challenges facing the industry today.

Collaboration between Baltimore based GSE Systems and the Georgia Institute of Technology offers one solution: a new way of learning that combines traditional classroom training with hands-on experience

using advanced computer simulations of complex industrial facilities.

To Provide that innovative learning environment, GSE has built a multi-million-dollar simulation and education center at Georgia Tech's [Global Learning Center](#) in Technology Square. The company officially opened the facility, with a ceremony September 13th.

The new facility currently offers simulations for gas turbine and combined-cycle gas turbine generating plants. GSE envisions a major market for its "education through simulation" training, and plans to add simulations for nuclear power generating stations, petroleum refineries, desalinization plants, oil and gas platforms, distribution facilities and perhaps more.

To keep its facilities running and to staff the new ones required by growing demand for power — utility companies will have to heavily recruit and train new staff. An estimated 40% of the industry's current work force will retire in the next five years, while as many as 1,200 employees will be needed for each new nuclear power plant built.

Those employees will range from recent high school graduates who need basic industrial instruction to skilled engineers who need to learn more about the power-generation environment. The industry also wants to diversify its work force, bringing in more women and under-represented minorities.

"GSE established a research and development operation in Technology Square, brought new high-technology jobs to the state, and will offer co-op, intern and full-time employment opportunities to our students." said Wayne Hodges, Vice Provost in Georgia Tech's Enterprise Innovation Institute.

"Who'll Keep the Lights On? Simulation-Based Training Facility Opens, Focusing on Power Generation Industry"
Article Written By: John Toon
September 14, 2007
Research News & Publications Office
Atlanta Georgia 30308

To Read the full article please go to: <http://gtresearchnews.gatech.edu/newsrelease/gse-systems.htm>

"You can follow any link in the Newsletter by holding (CTRL) and clicking on the colored text"

Facts and Useful Information

- ◆ 26% of the engineers in the nuclear energy industry will be eligible for retirement in the next 5 years.
- ◆ The average nuclear engineer's age is 48
- ◆ Undergraduate enrollment in nuclear engineering has increased by 3% in the past 7 years.
- ◆ 91% of young professionals claim location as their number 1 deciding factor when faced with job offers, salary ranked 2nd with 68% of the vote.
- ◆ The industry will be searching for tens of thousands of new workers over the next decade.

Index

COVER STORY	1
CAREER FAIRS	2
FEATURED EMPLOYER	3
DISPATCH	4



“When you believe in yourself, you’re free to focus on improving and reaching your potential”

Career Fairs

For Prior Military Forces— Nationwide

April

April 11, 2008

Corporate Gray Job Fair

Martins Crosswinds

Greenbelt, MD

April 17, 2008

Little Rock Air Force Base Job Fair

Airman & Family Readiness Center

Little Rock, AR 72099

May

May 5, 2008

NCOA Job Fair

Doubletree Hotel Colorado Springs

1775 East Cheyenne Mountain Blvd.

Colorado Springs, CO 80906

May 22, 2008

Corporate Gray Job Fair

Doubletree Hotel

Arlington, VA

June

June 3, 2008

NCOA Job Fair

Live Oak Civic center

8101 Pat Booker Rd.

Live Oak, TX 78233

June 5, 2008

NCOA Job Fair

Hilton University of Houston

4800 Calhoun Street

Houston, TX 77204

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Visit Magellan Professional Solutions & Power-Careers at booth: #1562

“Self-Development draws you toward your Destiny”

Featured Employer



Luminant

“Luminant is generating electricity to power the future of Texas”

Energy Future Holdings Corp., formerly named TXU Corp, is a Dallas-based, privately held energy holding company, with a portfolio of competitive and regulated energy subsidiaries, primarily in Texas, including TXU Energy, Luminant and Oncor.

To learn more, visit the following web links: www.energyfutureholdings.com

Luminant is a competitive power generation business, including mining, wholesale marketing and trading, construction and development. It has over 18,300 megawatts of generation in Texas, including 2,300 MW of nuclear and 5,800 MW of coal-fueled generation capacity, and is the largest purchaser of wind-generated electricity in Texas and fifth largest in the US. Luminant is generating electricity to power the future of Texas.

To learn more, visit the following web links: www.luminant.com

Featured Jobs Energy Future Holdings

Equipment Operator – various TX locations

The Equipment Operator is responsible for the safe and efficient operation of the plant equipment and the entire generating unit. Perform duties involving mechanical and electrical maintenance. Responsible for operating and maintaining, but not limited to, circulating water systems, condensate/feed water systems, boiler systems, turbine systems, generator systems, electrical systems and various other plant systems.

Engineers (Mechanical, Electrical, Civil, Structural and Nuclear) – various TX locations

Provide Plant Engineering support to ensure reliability, availability, efficiency and functionality of all plant equipment, processes and projects in support of plant objectives. Provide complete and cost effective engineered solutions to the most difficult of plant operating and maintenance problems. Provide Project Management for Plant Operating, Maintenance and Improvement activities to ensure completion of projects within a budgeted cost and schedule, while maintaining the highest level of quality.

Instrumentation and Control Technician (I & C tech) - various TX locations

This is a multi-skill position responsible for supporting the Instrument & Control (I&C) needs for solid fuel supercritical power plants to meet the power generation requirements of the Luminant Power system.

Boiler Specialist- Dallas, TX

Provide boiler expertise to support TXU Power's Fossil Generation fleet. Applies sound engineering judgment and knowledge to identify and resolve plant operational and maintenance problems. Reviews unit efficiency/performance testing, maintenance, and operational procedures, and makes recommendations to address equipment issues. Provide Boiler Engineering expertise to manage the resources, technology, and documentation associated with Fossil Generation's fixed assets.

To apply to these positions directly or to take advantage of EEL practice POSS or MASS test, click this link: [Energy Future Holdings Career Link](#) or email your resume and position interest to [\(Apply\)](#).



“There exist limitless opportunities in every industry. Where there is an open mind, there will always be a Frontier”

Dispatch

FYI (1): Newest Feature

Employers have given us valuable feedback in utilizing the Power-Careers career board. This has included the desire to have job seekers paste their resumes into the job seeker profile section (rather than uploading them), as well as typing in any additional qualifications or licenses. This will allow employers to better search for target skills and experience. Candidates will have greater success with the website by highlighting their profiles and experience as suggested.

Job-Seeker accounts that have signed up to Power-Careers and have not added their resume to their profile are encouraged to do so soon to prevent being eliminated as a valid user.

FYI (2): Power-Careers.com is an approved career resource by U.S. Navy Transition Assistance Program

Power-Careers.com was recently recognized as a reliable no-cost resource for prior Navy job-seekers to rely upon for assistance in transitioning into the civilian Energy/Power Generation & Manufacturing sectors.

Notification was transmitted globally from Washington, DC that Power-Careers is a reliable venue for prior Navy military members to seek careers beyond the Navy and receive this service for free.

Location, Tops Salary

By Teresa Hansen

By now, we've all heard at least once or twice the unnerving statistics related to the aging workforce in the power generation industry, particularly the nuclear power industry. According to recent Nuclear Energy Institutes' statistics, 26% of the engineers in the nuclear energy industry will be eligible for retirement in the next five years. More than half will be eligible for retirement in ten years. The NEI also reports that the average nuclear engineer's age is 48 and many engineers in the nuclear industry are 55 years old or older.

Some potentially good news is that undergraduate enrollment in nuclear engineering has increased by 3% in the past seven years. Unfortunately, undergraduate and graduate enrollment remains far behind where it was 15 years ago.

To Read more of this article, go to: [Power Engineering Institute](#)

Congratulations!

To the following; who have acquired a new career through www.Power-Careers.com

Alonzo McRae

Accepted a position as a Facilities Resource Technician with Lee Technologies

Darryl Mack

Accepted a position as a Facilities Resource Technician with Lee Technologies

Ronald Smith

Accepted a position as a Boiler QA/QC Inspector with Bremco, Inc.

Robert Larrabee

Accepted a position as an I&C Technician with Constellation Energy