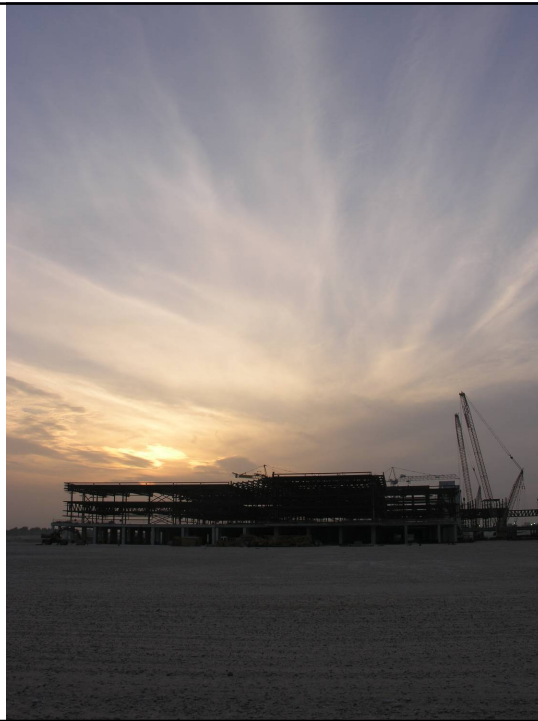


Qatar Technology & Learning Center

Hasan Dandashly
Global Research Center



GE imagination at work



Support GE's growth in the Middle East

Localize our offerings...

product support and training
adapt technologies for the region

Invest in human capital...

build local technical capability

Support regional business efforts

Customer/Country to company relationships
Contribute to knowledge economy



GE imagination at work

Part of the Qatar Foundation



Founded in 1995 by His Highness
the Emir Sheikh Hamad bin
Khalifa Al-Thani

Chaired by Her Highness
Sheikha Mozah bint Nasser Al-
Missned

An independent, nonprofit
organisation committed to the
development of Qatar and its
people

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Located in Education City... In close proximity to International Universities



- Branch campus of Cornell, New York Medical School
- 355,000 sq. ft.
- Identical curriculum, standards, degree to NYC



- Chemical, Electrical, Mechanical, Petroleum
- Research : environmental sustainability petroleum industry

Carnegie Mellon®
QATAR CAMPUS

- Business Administration
- Computer Science
- Research program under development



GE imagination at work



Interior Design
Fashion



Foreign service

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A tenant of the Qatar Science and Technology Park

Objectives

- Promote applied research, technology development and commercialisation in Qatar
- Grow and diversify Qatar's economy
- Accelerate formation and growth of start-up technology companies
- Create high-value employment opportunities

Focus

- Aircraft operations
- Environmental technology
- Gas & petrochemicals
- Healthcare
- Information & communication technology
- Water technology



ExxonMobil



Gartner Lee Limited



Microsoft®



QATAR

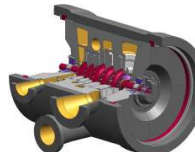
Q-CERT

EADS

European Aeronautics Defense and Space Company

4 businesses & Global Research

- > **Aircraft Engine** maintenance & fleet management training
- > **Energy** Optimization & Control product training
- > **Water** scarcity... desalination and reuse
- > **Oil and Gas**... modeling & optimization of Turbine / compressor design
- > **Global Research**... water scarcity and O&G Infrastructure



GE imagination at work

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133,000 ft² facility opening December 2008

- > \$50 million over 5 years
- > 24 engineers, scientists, & trainers
- > 14 engine/tooling bays
- > 8 classrooms
- > 4,200 SF of LAB space



Aviation Learning Center

Objectives

- > Support growing global sales
- > Localize training
- > Share Knowledge



Commercial



- ☐ GE90 115B
- ☐ GEnx (787, 747-8)
- ☐ CF6-80C2 (PMC)
- ☐ CF6-80E1
- ☐ GP7000 – future growth
- ☐ CF34 – future growth

Military



Possible Expansion

- ☐ F110
- ☐ Split T700



GE imagination at work

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Optimization and Control

Objectives

- > Developing Power users for Optimization and Control Product line
- > Effective utilization of products, internal coaches & improved NPS for GE



Planned Activities

- > Regional COE for Training & Skill Development Programs
- > Technical conferences
- > Collaboration with universities
- > Internship programs

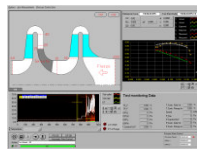


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Oil & Gas Design Optimization COE

Establish technical capability where the action is...



Aero/Mechanical design

- > Lead "Design Optimization System" development for O&G
- > Support new product introductions



Technical field support

- > Customer interface on critical technical issues
- > 1st link with O&G engineering team

Collaboration w. key customers

- > Opportunities for collaboration with IOCs and national O&G companies
- > University relations & internships



GE imagination at work



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Water Scarcity Solutions

Desalination and Water Reuse Center of Excellence

- > Conduct Application Development of new water treatment technologies
- > Apply GE technologies to the regional needs of Qatar & ME
 - 1) Validate new treatment technologies tailored to the region's challenging waters
 - 2) Model, analyze and optimize designs of integrated power generation - water treatment systems
 - 3) Perform desalination and water reuse pilot trials
 - 4) Analyze and solve difficult fouling problems, specifically related to regional issues
 - 5) HPI/CPI chemicals growth
- > State-of-the-Art testing and applications lab



GE imagination at work

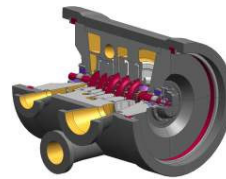
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Global Research

Applied Research in O&G and Water technologies

O&G Technology

- > Reliability and service technology for installed O&G infrastructure
- > Testing of new materials and products to handle increased H₂S content in natural gas



Water Technology

- > Testing of new membranes... Boron rejection & chlorine resistance
- > System engineering technologies for desalination, reuse, and IWPP



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October 16, 2006



imagination at work



GE imagination at work

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