

# POWER THROUGH PARTNERSHIP

## UNITED, WE THRIVE.

Every time rolling brown-outs shut down an office or load shedding hobbles a manufacturing facility, Pakistan suffers. Electricity is the life blood of an economy. It delivers the ability to do work.

That's why the U.S.-Pakistan Centers for Advanced Studies in Energy have made partnerships with government and industry leaders in the energy sector a primary focus.

In a program funded by the United States Agency for International Development (USAID), the Centers for Advanced Studies in Energy exist to elevate energy-sector education at two of Pakistan's leading universities: National University of Sciences and Technology in Islamabad and University of Engineering and Technology in Peshawar.

In a short time, the program has:

- Created state-of-the-art post-graduate education programs in renewable, electrical and thermal energy as well as energy management
- Initiated a technology center to support the energy sector with training, certifications and testing facilities
- Strengthened student understanding of applied research through rigorous internships
- Undertaken 34 joint and applied research projects
- Organized educational conferences, industry stakeholder meetings and more

## JOIN US.

**Together, we can strengthen Pakistan's energy future.**

## WHAT USPCASE BRINGS PAKISTANI INDUSTRY

- New, dedicated educational and research facilities at NUST and UET
- Research expertise of highly qualified faculty
- 15 labs and two new libraries
- 11 new degree programs at NUST and UET
- More than 500 M.S. and Ph.D. students
- 100+ graduates with master's degrees
- Highly qualified student interns
- Trainings, consultancy, conferences, and seminars



**USAID**  
FROM THE AMERICAN PEOPLE



**U.S.-Pakistan Centers for  
Advanced Studies in Energy**

Partnering Universities:





# ADVANCING PAKISTAN'S ENERGY SECURITY

With your participation, the U.S.-Pakistan Centers for Advanced Studies in Energy will be here for the long run, and that will be good for Pakistan.

Already, the scholars and graduates students at the two USPCASE facilities have:

- Undertaken research related to biomass energy production, smart grids, solar cells, batteries, power electronics, energy management and energy policy
- Offered energy material characterization and energy auditing services to industry
- Created new technology to advance micro-hydro generation that can energize remote parts of Pakistan unconnected to the electric grid
- United industry and academia through stakeholder meetings that ensure USPCASE curriculum aligns with industry needs

As a leader in Pakistan's energy sector, you're invited to join USPCASE in securing a stronger, more secure energy future for our nation. Access our facilities and expertise for support in applied research and consulting.

## CONNECT

### Join USPCASE Long-term Partners

Several energy-sector stakeholders have already signed memos of understanding for ongoing engagements and collaboration with the U.S.-Pakistan Centers for Advanced Studies in Energy. Among them, you will find:


- Khyber Pakhtunkhwa Oil & Gas Company Ltd. (KPOGCL)
- Fauji Fertilizer Company Limited (FFCL)
- Distinguished Innovations, Collaboration & Entrepreneurship (DICE) USA
- SkyElectric Inc.
- Khyber Pakhtunkhwa Department of Science and Technology
- Pakistan Green Building Council
- Center for Energy Research and Development, Lahore

## CENTERS FOR ADVANCED STUDIES IN ENERGY AT A GLANCE

### LOCATIONS

- National University of Sciences and Technology (NUST) Islamabad
- University of Engineering and Technology (UET) Peshawar

### RESOURCES

- Laboratories
  - Libraries
  - Educational facilities
- 

## CONTACT US

Ahmed Ammar Yasser | Corporate Engagement Specialist  
U.S.-Pakistan Center for Advanced Studies in Energy  
(USPCASE)

Arizona State University  
c +92-334-8693368 |  
ammar.yasser@asu.edu  
**USPCASE.ASU.EDU**