

HELD UNDER THE PATRONAGE OF HIS EXCELLENCY ABDEL FATTAH EL SISI, PRESIDENT OF THE ARAB REPUBLIC OF EGYPT



17 - 19 FEBRUARY 2025 | EGYPT INTERNATIONAL EXHIBITION CENTER

EMPOWERING FUTURE ENERGY LEADERS

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FOSTERING INNOVATION, SHAPING THE FUTURE

The EGPES Young Professionals Programme is crafted to unlock the potential of university students and position them at the forefront of the energy revolution. This unique initiative offers students passionate about the future of energy an extraordinary chance to immerse themselves in the rapidly evolving energy sector.

High school and university students have the opportunity to engage with industry leaders, network with top professionals and learn from innovators in the field. Through exclusive speaker sessions, hands-on projects and field trips, they develop practical skills and gain real-world experience.

The programme also provides personalised mentorship from experienced experts dedicated to nurturing their growth. Students are given a platform to showcase their creativity and innovation by participating in competitions and challenges, where forward-thinking ideas are celebrated.



2,000+

Students & Attendees

40+

Inspirational Speakers

30+

Youth Forum Sessions

20+

Key Activations

10+

Edutainment Programmes

PROGRAMME PILLARS



EDUCATION & AWARENESS

Providing comprehensive education about the energy sector, including its challenges, opportunities, and importance in global sustainability.



TALENT DEVELOPMENT

Empowering young talents with the skills, knowledge, and resources necessary to thrive in the energy industry.



ENGAGEMENT AND NETWORKING

Facilitating connections between young professionals, industry experts, and mentors to foster collaboration and knowledge sharing.



INNOVATION & SUSTAINABILITY

Encouraging creativity and innovation in developing sustainable solutions for the energy transition.



LEADERSHIP AND CAREER GROWTH

Cultivating leadership skills and offering opportunities for career advancement within the energy sector.

ENERGY CENTRIC EXPERIENCES

Shell NXplorers Challenge

Youth Forum

New For 2025

Future Female Leaders

Field Trips

Expo Tours

Volunteer Programme

STEM ZONES

Zero Carbon City

Green Energy Village

Race to Zero

Technology Zone



SHELL NXPLORERS CHALLENGE



FUELING THE FUTURE WITH SUSTAINABLE INNOVATION

The Shell NXplorers Challenge is designed to empower university students to look at global complexities in a new way and craft groundbreaking solutions for a sustainable energy future. This competition challenges participants to tackle critical issues, such as improving energy efficiency, expanding renewable energy use, and ensuring universal access to affordable, reliable, and modern energy and many more.

At the core of this challenge is NXthinking, a transformative problem-solving methodology that equips students with the skills to navigate complex global issues. By promoting systems thinking, exploring scenario planning, and adopting the theory of change, NXthinking empowers participants to think beyond the ordinary and approach sustainability from fresh, innovative perspectives. The core of NXthinking encourages participants to interpret what they see from their own perspective, understand how the world works, uncover how disconnected things are connected, and altering the future to bring about positive change.

By joining the challenge, students will sharpen their critical thinking, enhance their problem-solving abilities, and gain hands-on experience in real-world applications. With guidance from industry experts and mentors, teams will work collaboratively to design and develop solutions that could help shape the future of energy.



THE BIG PICTURE

Rather than isolating specific problems, participants will be taught to perceive the real world as a set of natural and man-made systems and complex networks of interacting variables. This approach will aid them in grasping the broader picture of energy systems and sustainability. They will learn to identify how key elements—such as energy access, environmental impact, and advancing technology—are interconnected. This broader perspective empowers them to create solutions that are effective, scalable, and adaptable.

PERSPECTIVES

Each of us sees and interprets the world from our own perspective, shaped by our cultural background, the social norms of our upbringing, our personal experiences, and our vested interests. We need to be aware that everyone around us interprets the world from an individual perspective, which will help us understand ourselves better and become more empathetic towards other people's behaviour. This will allow participants to approach energy challenges from diverse angles. By examining problems through technical, economic, social, and environmental lenses, they'll gain a richer, more comprehensive understanding of the issues they're addressing. This holistic approach fosters the development of innovative solutions that consider the full spectrum of factors involved in energy challenges.

THE FUTURE

Participants will be trained to go beyond just thinking ahead. NXthinking appreciates that the future is not fixed and there are many possible futures that we can craft and play a part in together. By anticipating future challenges and opportunities, participants will use scenario planning to envision a preferred future so that they can start making better decisions today. This future-focused mindset is essential for creating solutions that can stand the test of time.

CONNECTIONS

An essential pillar of NXthinking is the understanding that everything is interconnected, interrelated, and interdependent. Participants will look at many different types of relationships, including complex causal relationships, consequences and the different types of feedback loops. This will allow them to see the intricate connections between various components of an energy challenge. From infrastructure and policy to community needs, they'll learn how energy solutions affect and are affected by different sectors. By recognizing these interdependencies, students will be better equipped to design solutions that address the entire energy ecosystem, creating a more sustainable and balanced impact.

CHANGE

Positive change starts within each of us. Whatever change we hope to bring about it is useful to think about our theory of change, namely why we think what we do will work. Having tools to support thoughtful decision making, effective action-planning and the persuasive communication of ideas is really helpful. Participants won't just solve problems, but rather become catalysts for meaningful change and drive transformation within the energy sector. By deeply understanding the systems, connections, and future implications of their innovations, they'll push the boundaries of what's possible and shape a more sustainable world.



YOUTH FORUM

EDUCATE, ENGAGE AND INSPIRE

The Youth Forum is a dynamic and interactive platform designed to educate, engage, and inspire the Egyptian youth in the energy sector. Through a combination of thematic and women-led satellite sessions, the forum aims to foster a deeper understanding of energy-related topics, promote innovation, and encourage young people to pursue careers in the energy sector. This forum provides a unique opportunity for young professionals and students to connect with industry leaders, gain insights into the latest trends and technologies, and contribute to discussions on sustainable energy solutions.

Future Female Leaders: Female young professionals in energy

Future Female Leaders is a dynamic initiative designed to inspire young women and female university students to pursue careers in the energy sector. Our mission is to build confidence, create networking opportunities with industry role models, and establish safe spaces for exploring career prospects.

This programme offers a diverse range of activities to empower young women, including inspirational speaker sessions, skills development workshops, mentorship programme, and support for aspiring entrepreneurs.

17 FEBRUARY
MONDAY
2025

14:00 - 15:15

Track 1
SKILLS FOR SUCCESS: Developing the Next Generation of Energy Leaders

This track focuses on equipping young professionals with the essential skills and knowledge required to thrive in the evolving energy sector. Participants will gain insights from industry leaders on leadership, innovation, and strategic thinking, empowering them to become the next generation of energy leaders.

15:30 - 17:05

Track 2
EMERGING TRENDS IN ENERGY: Opportunities for Young Professionals

This track explores the latest trends shaping the energy sector, including renewable energy, digital transformation, and sustainability. Young professionals will learn about emerging opportunities and how they can position themselves at the forefront of these developments, paving the way for impactful careers in the industry.

18 FEBRUARY
TUESDAY
2025

10:30 - 12:20

Track 3
UPSKILLING & RESKILLING: Strategies for Career Advancement in Energy

This track is dedicated to helping young professionals navigate the evolving demands of the energy industry. Participants will explore strategies for upskilling and reskilling to stay competitive and advance their careers. Industry experts will share insights on the most valuable skills and how to adapt to emerging trends.

12:45 - 13:45

Satellite Session 1
PATHWAYS TO LEADERSHIP: Career Development for Women in Energy

This session is dedicated to empowering women in the energy sector by exploring pathways to leadership and career advancement. Participants will hear from successful female leaders who will share their experiences, insights, and strategies for overcoming challenges and achieving success in a traditionally male-dominated industry. This session aims to inspire and equip women with the tools they need to lead in the energy sector.

14:00 - 15:15

Track 4
EMPOWERING CHANGE: Building Green Business

This track focuses on the intersection of entrepreneurship and sustainability, guiding young professionals on how to build and scale green businesses. Participants will learn from industry leaders about innovative approaches to creating sustainable solutions that drive positive environmental impact while fostering economic growth.

15:30 - 17:05

Track 5
BLUEPRINTS FOR SUSTAINABILITY: Learning from Leading Projects

This track offers an in-depth look at successful sustainability projects in the energy sector. Participants will gain valuable insights into best practices, innovative strategies, and real-world case studies from industry leaders. This track is designed to inspire and equip young professionals with the knowledge to implement impactful sustainability initiatives.

19 FEBRUARY
WEDNESDAY
2025

10:30 - 12:20

Track 6
POWERING TOMORROW: Engaging the Next Generation in the Energy Revolution

This track is dedicated to inspiring and empowering the next generation to take an active role in the energy revolution. Through discussions on cutting-edge technologies, sustainable practices, and innovative solutions, participants will learn how to contribute to a more sustainable energy future and become leaders in the transformation of the industry.

12:45 - 13:45

Satellite Session 2
SUCCESS STORIES: Women Making a Difference in Energy

This session is dedicated to empowering women in the energy sector by exploring pathways to leadership and career advancement. Participants will hear from successful female leaders who will share their experiences, insights, and strategies for overcoming challenges and achieving success in a traditionally male-dominated industry. This session aims to inspire and equip women with the tools they need to lead in the energy sector.

14:00 - 15:15

Track 7
YOUTH CLIMATE ACTION AND RESILIENCE BUILDING: Shaping our Sustainable Future

This track focuses on empowering young professionals to lead climate action and build resilience in their communities. Participants will explore strategies for addressing climate challenges, enhancing sustainability, and fostering resilience. Through expert insights and collaborative discussions, this track aims to equip the next generation with the tools to shape a sustainable and resilient future.

REGISTER TO VISIT
THE YOUTH FORUM



EXPERIENCE THE STEM ZONES

The STEM Zone is a unique space designed specifically for high school students eager to explore the exciting world of science, technology, engineering, and math. Designed to be both educational and engaging, this immersive experience provides students with hands-on opportunities to participate in edutainment activities, interactive workshops, and thought-provoking challenges that simulate real-world scenarios. It's more than just learning—it's about discovering the practical applications of STEM in shaping the future of energy, technology, and innovation. The STEM zone is launchpad that will not only fuel their passion for innovation but also develop meaningful connections with their peers and professionals alike that can inspire future projects and potentially pave the way for their future academic and career aspirations.



STEM ZONE ZERO CARBON CITY

The Zero Carbon City is an activation that aims to provide students with a comprehensive understanding of how zero carbon cities operate, the technologies they employ, and the benefits they offer for a sustainable future.



STEM ZONE GREEN ENERGY VILLAGE

The Green Energy Village introduces students to the principles and applications of renewable energy. This activation aims to inspire a new generation of environmentally conscious innovators.



Solar Power

Learn about solar energy and its role for sustainable development



Wind Power

Embrace wind energy as a clean, sustainable and abundant alternative energy resource.



Hydro Power

Explore the fascinating world of hydropower



Bioenergy

Appreciate the versatility and potential of bioenergy and its pivotal role on energy transition



Hydrogen

Learn about the promising world of hydrogen energy, its diverse applications and its potential to revolutionize the energy landscape.



Geothermal

Learn how heat from beneath the Earth's surface can be harnessed as a sustainable source of energy.

STEM ZONE RACE TO ZERO

The Race to Zero Zone is an interactive area following the global campaign to educate young talent on the importance of reducing carbon emissions to mitigate climate change, and the opportunities in building a career in the energy sector.



STEM ZONE TECHNOLOGY ZONE

The Technology Zone is an immersive and interactive space designed to introduce high school students to the cutting-edge technologies shaping our world. This zone focuses on Virtual Reality (VR), Robotics and Automation, the Internet of Things (IoT), and Artificial Intelligence (AI). Through hands-on activities and demonstrations, students will gain a deeper understanding of these technologies and their applications across various industries.



VIRTUAL REALITY

Use VR headsets and explore virtual environments. These experiences provide a tangible sense of how VR technology can transform our world.

ROBOTICS & AUTOMATION

Demonstrations of automated systems in action highlighting the efficiency and precision of automation technologies.



INTERNET OF THINGS (IOT)

Interact with IoT devices and sensors, learning how these technologies connect and communicate to create smart environments.

ARTIFICIAL INTELLIGENCE & DATA SCIENCE

Engage with AI-powered chatbots designed to simulate human conversation. Students can ask questions and see how the chatbot responds, learning about natural language processing (NLP).



EXPO TOURS

The Expo Tour is a specially curated tour designed to provide high school students with an informative and engaging experience. This guided tour will take students through various sponsor booths, offering them an insider's look at the latest innovations, technologies, and career opportunities in the energy sector. The tour aims to inspire and educate students about the dynamic field of energy, emphasizing the importance of sustainable practices and cutting-edge technologies.



VOLUNTEER PROGRAMME

The EGPES Young Volunteer Programme is a dynamic platform designed to empower young professionals by equipping them with vital skills, industry insights, and hands-on experience. Volunteers will have the opportunity to sharpen their leadership skills, build confidence, and take on responsibilities that foster personal and professional growth. Beyond these benefits, participants will also engage in meaningful activities that allow them to share their knowledge with the next generation, inspiring future leaders in the energy sector. Through networking with industry experts and leading impactful projects, volunteers will not only expand their professional horizons but also contribute to the broader community, making a lasting impact.



VOLUNTEER REGISTRATION

FIELD TRIPS

The field trip aims to give students valuable and immersive experiences to enrich their understanding of the energy sector, allowing them to observe operations, interact with professionals, and understand the industry's real-world applications to prepare them for successful careers in the industry.





EGYPES
YOUNG
PROFESSIONALS



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