

القادة الشباب
لطاقمة المستقبل

YFEL

YOUNG FUTURE
ENERGY LEADERS

An Initiative by



جامعة خليفة
Khalifa University

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Inspiring and
empowering tomorrow's
leaders in the field of
alternative energy and
sustainability.



Inspiring Leadership







Welcome

Khalifa University has emerged as an internationally recognized institution, and the UAE's top-ranked university, by continually strengthening, broadening and accelerating its research activities and academic offerings in response to evolving national and global needs.

I am proud of the progress Khalifa University has achieved over the years, taking bold initiatives to support the UAE's transition to a sustainable, knowledge-based economy. Through its flagship research institutes, including the Masdar Institute – which pursues cutting edge research and development in the fields of sustainability, clean energy, water and environment – Khalifa University is pursuing dynamic research projects that are needed to generate solutions to pressing challenges, to help the UAE achieve its long-term energy, sustainability, and innovation goals.

While through its outreach programs, including the Young Future Energy Leaders (YFEL) Program, Khalifa University is supporting the development of the country's future innovators and leaders in vital sectors of our economy.

As Khalifa University's flagship outreach program in the field of sustainability, YFEL seeks to identify and speak to these future leaders through a series of activities that expands their understanding of alternative energy and sustainability, and demonstrates the central role and relevance of alternative energy and sustainability to the enduring future of Abu Dhabi, the UAE and the world at large.

Since its establishment almost a decade ago, the YFEL program has succeeded in expanding the scope of its activities and the number of bright minds it reaches. However, there is much more we can do to grow this program and expand its impact and we can only do this through the engagement and financial commitment of partners and sponsors.

This brochure is indented to give you an overview of our activities as we help inspire, engage and empower the Young Future Energy Leaders who are the key to achieving a bright future for the next generations, and seek your support and participation.

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Dr. Ahmed Al Shoaibi

Senior Vice President of Academic and Student Services

Khalifa University of Science and Technology



“ A country's
greatest investment
lies in building
generations of
educated and
knowledgeable
youth.

Sheikh Zayed Bin Sultan Al Nahyan, the
late president and founding father of
the UAE





What is YFEL?

The Young Future Energy Leaders program (YFEL) inspires, engages and empowers bright young people to be tomorrow's leaders in the field of alternative energy and sustainability. It achieves this by bringing together students and promising young professionals from the UAE and around the world in a series of networking, skill development and idea sharing forums focused on this dynamic and vitally important field.

YFEL offers participants exceptional and unmatched access to top global leaders, senior business executives and academics engaged in alternative energy and sustainability through activities at the World Future Energy Summit held in Abu Dhabi.

Not only do YFEL participants have the opportunity to learn from today's decision makers and global influencers, they are provided with a platform to discuss issues, ideas and solutions with these officials and executives.

Throughout the year, YFEL members engage in educational workshops, conferences, internships and competitions, gaining a fundamental understanding of the type of change needed to transform the modern world into a sustainable one.

With its young future leaders coming from diverse professional backgrounds, academic disciplines and geographic regions, the program nurtures a cross-pollination of ideas, perspectives and experiences that benefits all participants and provides an environment for new thinking on some of the toughest challenges facing humanity: access to energy, energy security and climate change.

Participants also benefit from a global calendar of activities taking place in North America, Europe and the Middle East and that enhance their professional contacts, knowledge base and skill sets.

Our Objectives

01

Provide a forum to engage bright young people from the UAE and globally in the field of alternative energy and sustainability.

02

Create networking opportunities between YFEL participants and leaders of government, businesses, non-governmental and academic organizations active in alternative energy and sustainability.

03

Encourage the efforts of students and young professionals already involved in alternative energy and sustainability.

05

Introduce young people to Khalifa University of Science and Technology and its initiatives and programs.

04

Build the knowledge and skills that will help Young Future Energy Leaders achieve their professional goals.

06

Establish a platform for young people to share innovative ideas in alternative energy and sustainability.



“ Future generations will be living in a world that is very different from that to which we are accustomed. It is essential that we prepare ourselves and our children for that new world.

Sheikh Zayed Bin Sultan Al Nahyan,
the late president and founding father
of the UAE





Who Are We

led by Khalifa University of Science and Technology, the Young Future Energy Leaders program invites young professionals and university students from the UAE and around the world to participate in a year-round program of activities. Participants come from universities in the UAE and abroad, as well as private-sector companies and government entities, primarily in Abu Dhabi.

Entry into the YFEL program is selective and highly competitive, with prospective candidates required to demonstrate not only a deep interest in alternative energy and sustainability, but also

the talent needed to make a real and ongoing contribution to the field.

The World Future Energy Summit, which is held every year in Abu Dhabi, and attracts over 30,000 attendees from around the world, provides a focal point for the YFEL program, which hosts a number of events during the summit.

Empowered by fresh insights, new connections, and enhanced skills, alumni from the program go on to become leaders for organizations operating in Abu Dhabi and around the world

About Khalifa University

The internationally top-ranked Khalifa University is the one university in the UAE with the research and academic programs that address the entire range of strategic, scientific and industrial challenges facing the UAE's knowledge economy transformation and our rapidly evolving world. Its world-class faculty and state-of-the-art research facilities provide an unparalleled learning experience to students from the UAE and abroad.

The university brings together the best in science, engineering and medicine in the UAE, to offer specialized degrees that can take promising high school graduates all the way to top-rated doctorate degree holders.



8:1

Student to faculty ratio



60%

Female



53+

Nationalities



5,000 +

Alumni



40%

Male



20

Specialized Research Centers



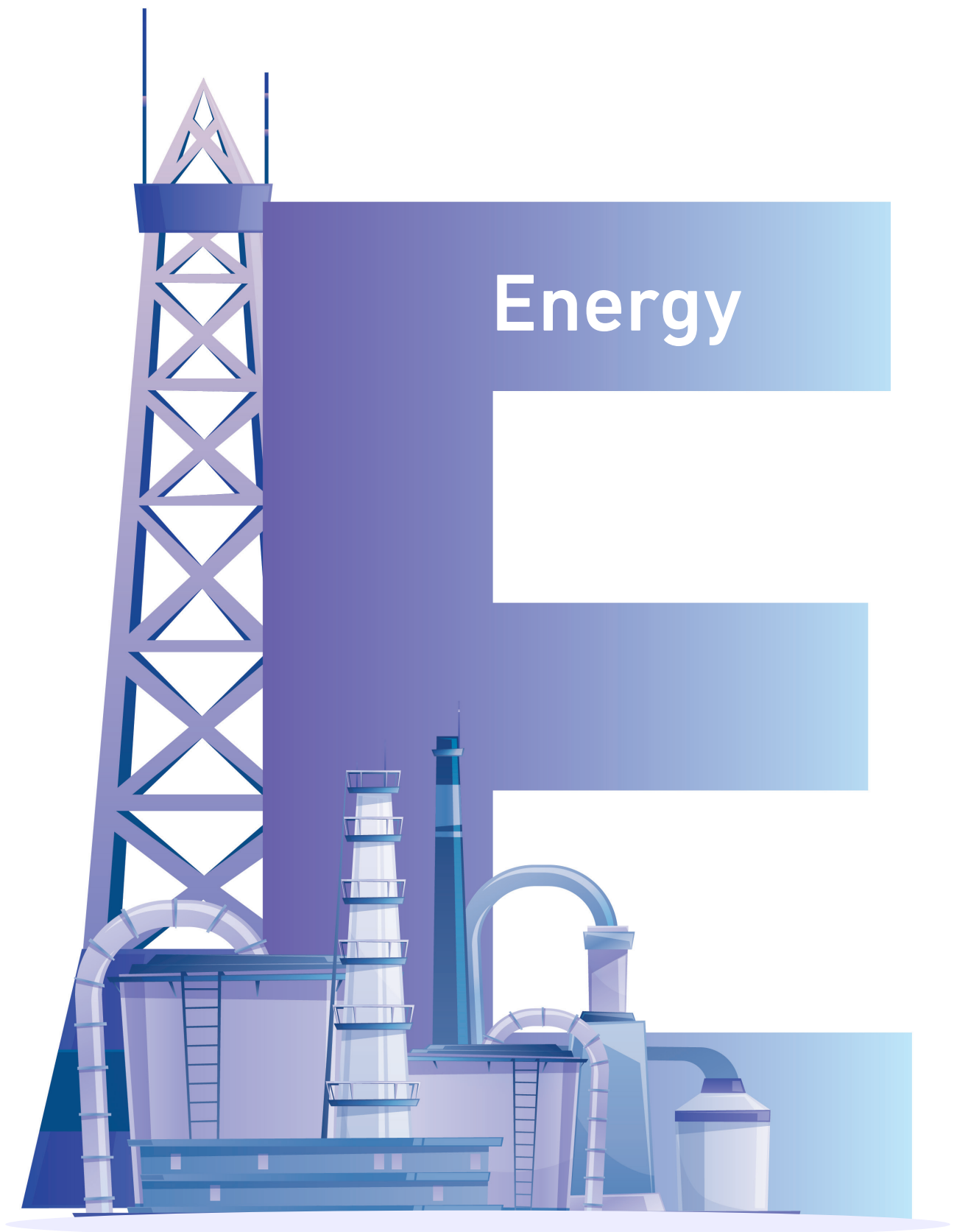


About The **World Future** Energy Summit



The World Future Energy Summit is the world's largest conference and exhibition on renewable and future energy solutions, and is unique in its ability to attract both public and private leaders to address the critical issues and identify the actions that must take place globally at corporate, political and economic levels to address the challenges of energy security and climate change.

YFEL is an integral component of the summit. Significantly, the summit provides a platform for extensive engagement by world leaders and decision makers in the energy industry, thereby helping to identify practical solutions to address key global challenges.



“ We must not rely on oil alone as the main source of our national income. We have to diversify the sources of our revenue and construct economic projects that will ensure a free, stable and dignified life for the people.”

Sheikh Zayed Bin Sultan Al Nahyan,
the late president and founding father
of the UAE





What Are We Doing?

In addition to the activities held annually in Abu Dhabi as part of WFES, the Young Future Energy Leaders program includes local educational seminars, hands-on workshops and internships, and other opportunities that give YFEL members valuable experiences to learn from local experts about the forefront of technology, to help bring positive change to important sustainability challenges.

WFES represents the centerpiece of the YFEL program and provides a unique opportunity not otherwise afforded to these young people. At the summit, Young Future Energy Leaders enjoy a busy schedule that includes YFEL debates, policy seminars and face-to-face meetings with global leaders

such as Ban Ki-Moon, UN Secretary-General; HRH Crown Princess Victoria, Princess of Sweden; and Dr Susan Hockfield, former MIT President.

With WFES attracting many of the world's most influential public, private, non-governmental and academic leaders and experts in the fields of alternative energy and sustainability, YFEL provides numerous networking opportunities to participants.

Equally, YFEL provides an important avenue for today's young leaders to hear the priorities, perspectives and proposed solutions to problems that will impact future generations through local and international seminars, debates and networking events.



Leaders

“ It is my duty as the leader of the young people of this country to encourage them to work and to exert themselves in order to raise their own standards and to be of service to the country.

Sheikh Zayed Bin Sultan Al Nahyan,
the late president and founding father
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The Participants

Commitment of students from UAE-based universities to alternative energy and sustainability is one important criteria assessed through the application process that includes the student's GPA, university major and two short essays -- the first on the applicant's qualifications to be a Young Future Energy Leader and the second on a project the applicant has recently worked on that relates to alternative energy and sustainability. Coming from both public and private institutions, a large majority of these students are UAE Nationals. They come from such fields as engineering, IT, science and business.

Students from international universities

The world's top engineering universities may nominate one or more students studying in their junior or senior year. Nominated students should have an excellent GPA of 3.5 and above on a 4.0 scale and show a keen interest in pursuing graduate studies in the field of engineering, science and IT. Applicants are required to write a short essay on their current work or future goals.

YFEL participants have come from Harvard University, the Technical University of Denmark, Hong Kong University of Science and Technology, the University of Kenya and the Middle East University.

Young professionals from UAE-based companies

While the selection of participants is the responsibility of individual companies, nominating companies receive clear guidelines regarding the high caliber of candidates, their academic background and recommended age.

Invited YFEL 2019 Participants



36

Students from UAE Universities



10

Students from International Universities



10

Young Professionals

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Young Future Energy Leaders

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