







"Green Recovery, Energy Transition and Gender Diversity: from Canada to MENA region"

CEBC's Women in Clean Energy (WICE) & Canada's Women in Renewable Energy (WIRE)



H.E. Marcy GrossmanAmbassador of Canada to the UAE



Aisha Bukhari
Board Member of WiRE
Senior Manager, Partnerships
MaRS Discovery District



Annette Hollas
Manager, Natural
Resources Canada &
Chair of C3E Initiative



Florence Fontani
EVP of Strategy,
Communications & ESR at
ENGIE Middle East, South
& Central Asia & Turkey



Mhairi Main Garcia Partner, Dentons Vice-chair, CEBC



Habiba Al Mar'ashi Chairperson Emirates Environmental Group



Joanna Osawe Chair, President & CEO Women in Renewable Energy (WiRE)



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Senior Manager –
Business Development
ACWA Power









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Partner, Dentons

Vice-chair, CEBC









Women in Clean Energy (WICE) 15 July 2020

Mhairi Main Garcia, Vice-Chair CEBC, Partner Dentons

Clean Energy Business Council (CEBC)

- A non-profit organisation representing the private sector involved in the clean energy sector across the MENA region.
- Aims establish a dialogue between the public and private sectors, and to drive the development of regulation and policy to support the development of the clean energy sector in MENA.
- Work on behalf of members to promote the uptake of renewable and clean technologies, through partnerships with public and private sector stakeholders.
- Develop and present policy solutions in conjunction with our members.
- Advocacy and thought leadership for the sector. We publish reports, case studies, white papers and market surveys.
- Throughout the year, we **host workshops**, **events and webinars**, allowing our members the opportunity to share and promote their ideas, services and knowledge.



CEBC members (120+)

Renewables



Energy Efficiency



Green Mobility



Law, Consultancy, Banks and Investment Firms



General stakeholders



CEBC partners





















































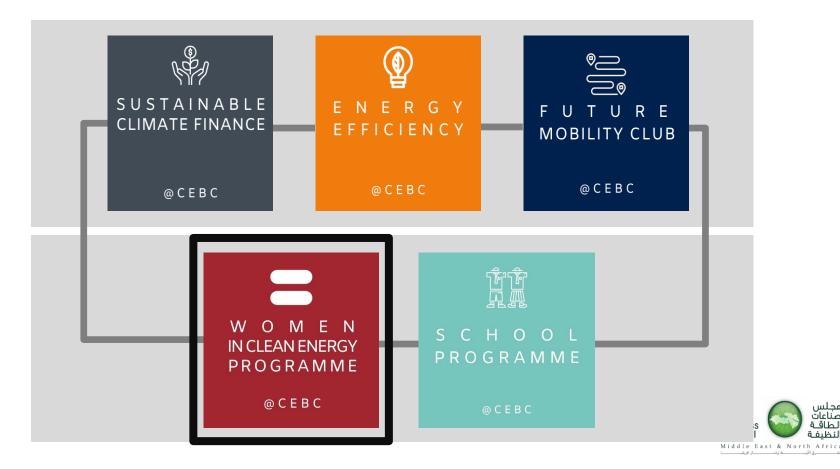






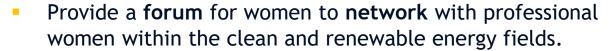


CEBC working groups and programmes



Women in Clean Energy (WICE)

WICE aims to:





- Organise training and technical seminars for women working in clean energy, providing a platform for knowledge transfer and information sharing.
- Promote career progression and encourage women to attend industry conferences and networking.
- Provide a business mentoring programme specifically for women working in the clean and renewable energy fields to facilitate career advancement.
- Increase job opportunities in cleantech sectors by encouraging university students to participate in WICE.



WICE activities

WICE Annual Summit

Bringing together women from across the entire clean and renewable energy spectrum, with leading industry experts.

WICE Mentorship Programme

Pilot programme launched in 2020 to facilitate development of female professionals in the clean energy sector.



Conferences and webinars

Providing opportunities for knowledge transfer and networking.

Spotlight in CEBC newsletter

Featuring successful women from the clean energy industry in the MENA region every month.



WICE - WIRE collaboration





- Common objectives: remove barriers and advance the role and recognition of women working in the clean and renewable energy sector
- Create a greater platform to raise awareness of challenges and opportunities for women in the clean and renewable energy sector
- Information and knowledge sharing
- Working together to understand best practices
- Organise joint initiatives and events



Importance of WICE and WIRE

Opportunity: The clean and renewable energy sector provides an opportunity for women: already greater participation of women than in conventional energy

But challenges:

- Need to increase <u>and maintain</u> participation of women in the sector
- Entry to the sector v. <u>progression</u>
- Education and training
- Employment and workplace regulations and policies
- Career progression and management
- Cultural and social bias

UN Sustainable Development Goals





- Gender equality not only a fundamental human right, but a necessary foundation for a peaceful, prosperous and sustainable world.
- Energy dominant contributor to climate change, representing c. 60% of total global greenhouse gas emissions.
- Indoor air pollution from household combustible fuels causes millions of deaths every year, the majority women and girls.

WICE and WIRE: Forum to facilitate knowledge transfer, events and networking and gender specific opportunities



WICE Mentorship Programme 2020-2021

Call for Mentees is now OPEN!









WICE@CEBCMENA.COM









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Advancing the role and recognition of women in the energy sector

Promouvant le rôle et la reconnaissance des contributions des femmes dans le secteur énergies

WIRE, WICE and CEBC









OUR PURPOSE

To advance the role and recognition of women in the energy sector.







WIRE PROGRAMMING

- Launched and incorporated in 2013 in Toronto
- Programming open to all
 - Networking meet-ups
 - Capacity building field trips
 - Speed mentoring and speed interviewing
 - Student bursary program for participation in industry conferences
 - Profile leaders through blog posts, website and newsletter
 - Women of Distinction Awards: Woman of the Year Award, Woman of Wind, Woman of Solar, Woman of Hydro, Woman of Engineering, Clean Energy Empowerment and Education C3E Award and are in process of launching Indigenous Woman in Leadership Award



WHERE IS WIRE?

Canada

- Halifax
- KamloopsToronto
- Montreal
- Mississauga Windsor
- Regina

- CalgarySt. John's
- Edmonton Saskatchewa

n

- Vancouver
- Ottawa
 Winnipeg
 - Yukon

MENA

- Istanbul, Turkey
- Amman, Jordan
- Tbilsi, Georgia
- · Baku, Azerbaijan
- UAE

WIRE LEADERSHIP TEAM



Joanna Osawe

- President and CEO, WiRE
- Global Business Development Manager, DMC Power



Aisha Bukhari

- Vice President and Executive Board Member, WiRE
- Senior Manager, MaRS Discovery Centre



Sara Monture

- Secretary and Executive Board Member, WiRE
- Executive
 Director,
 Aboriginal
 Apprenticeship
 Board of Ontario



Julia Cushing

- Treasurer and Executive Board Member, WiRE
- Senior Environmental Planner, Savanta



GLOCAL: THINK GLOBAL ACT LOCAL













#EQUALBY30Equal Pay, Equal Leadership, Equal Opportunities



Equal by 30 is a public commitment by **public and private sector organizations** to work towards **equal pay**, **equal leadership** and **equal opportunities** for women in the sector by 2030.

Equal by 30 asks companies and governments to endorse principles, then take concrete action to accelerate the participation of women in the clean energy sector, and close the gender gap.



https://www.equalby30.org/en





LEADERSHIP ACCORD ON GENDER DIVERSITY (ELECTRICITY HUMAN RESOURCES CANADA)

A public commitment by employers, educators, unions and governments to promote the values of diversity and inclusion within their organizations





WIRE GOVERNMENT PARTNERS



WORKING TOGETHER ON CLIMATE CHANGE, OCEANS AND CLEAN ENERGY

TRAVAILLER ENSEMBLE À L'ÉGARD DES CHANGEMENTS CLIMATIQUES, DES OCÉANS ET DE L'ÉNERGIE PROPRE



Natural Resources Canada Ressources naturelles Canada







WIRE GIGAWATT CLUB



























WIRE SPONSORS



























WIRE INDUSTRY PARTNERS





























































INTERNATIONAL PARTNERS











JOIN THE WIRE COMMUNITY

womeninrenewableenergy.ca info@womeninrenewableenergy.ca

JOIN US ON SOCIAL MEDIA

- in Women-in-Renewable-Energy-WiRE-6506054
- f Facebook.com/WomenInRE
- WiRE_Canada













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Annette Hollas

Manager, Natural

Resources Canada &

Chair of C3E Initiative



Equaly30 At the Heart of the Global transition to

PUTTING GENDER EQUALITY A CLEAN ENERGY FUTURE

Annette Hollas Chair, C3E International Natural Resources Canada







Objectives

- 1. To advance women's participation in the clean energy revolution.
- 2. To create opportunities for women in clean energy, and close the gender gap.

Clean Energy, Education, & Empowerment Initiative (C3E): Advancing Gender Equality in Clean Energy

Current C3E Membership









WHY DOES C3E EXIST?

INCREASING WOMEN IN SENIOR ROLES FROM 0 to 30 PERCENT

= **15%** MORI

REDUCING GENDER EMPLOYMENT GAP BY 25 PERCENT BY 2025

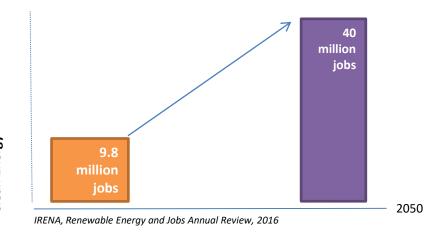
= 100M

MORE JOBS FOR WOMEN WORLDWIDE ACHIEVING GENDER EQUALITY TO INCREASE GLOBAL GDP

= \$12 Trillion

IN A SINGLE DECADE

Potential Job Growth in Clean Energy







Work Streams

C3E International aims to advance women's participation in clean energy by creating opportunities and closing the gender gap across five focus areas:



C3E AWARDS AND RECOGNITION

- In partnership with WiRE, we delivered the first ever C3E International Awards to an individual of distinction, and an organization that is paving the way on gender equality, at CEM10 in May 2019.
- Nominations for the second annual C3E international Awards are currently being evaluated.



THE EQUAL BY 30 CAMPAIGN

LED BY CANADA AND SWEDEN. PART OF THE **C3E INITIATIVE** WITHIN THE CLEAN ENERGY MINISTERIAL AND INTERNATIONAL **ENERGY AGENCY.**

Equal by 30 is a global commitment by public and private sector organizations to work towards equal pay, equal leadership and equal opportunities for women in the energy sector by 2030.

Equal by 30 asks governments and organizations to **endorse principles**, then **take concrete action** to accelerate the participation of women in the clean energy sector, and close the gender gap.

WHY DOES EQUAL BY 30 EXIST?

- Internationally, women represent
 only 35% of the clean energy
 workforce, and only 22% of the traditional
 energy sector
- The energy sector must harness female talent to solve critical challenges in the clean energy transition
- There is a need for established industry benchmarks and tools to help the energy sector become more diverse and inclusive

Equal by 30 was launched to help governments and organizations achieve better balance and drive sustainable progress through collecting, analyzing and tracking gender data

EQUAL BY 30 ACHIEVEMENTS

Equal by 30 recently marked the second anniversary of the campaign's launch at CEM9 on May 24th, 2020.

Major milestones of Equal by 30's first two years include:



EQUAL BY 30 - PHASE 2

The Equal by 30 Campaign is establishing a reporting framework and baseline metrics to help signatories measure their progress against their commitments, track advancements on the goals of the campaign, and create a baseline of gender-disaggregated data for the energy sector.



STEP 1



STEP 2



STEP 3

Partner with an organization to develop a reporting framework and baseline metrics

Development of survey and collection of baseline dataset

Delivery of a sophisticated reporting dashboard with ability to auto-analyze and present key trends among signatories

EQUAL BY 30 - WHY A REPORTING FRAMEWORK?

This framework can be used as a catalyst to increase the participation of women, and diverse groups, and ensure that the global energy sector has a resilient, diverse, and future-ready workforce, by:

Creating a baseline for diversity & inclusion that can be used to track progress over time

Sharing learnings on tactical interventions that work (and what doesn't)

Building momentum and encourage more governments and organizations to join the movement

Inspiring women and other under-represented groups to see the energy sector as a preferred career path

Generating data-driven insights that will help the department, and Canada's energy sector, accelerate progress

EQUAL BY 30 SIGNATORIES

NATIONAL GOVERNMENTS



SUB-NATIONAL GOVERNMENTS



PARTNERS





de l'électricité

HOW CAN YOU CONTRIBUTE TO EQUAL BY 30?

Join the Campaign!



Follow: <u>@C3E Intl Energy</u> and <u>@NRCan!</u>
Visit Equalby30.org to learn more

The Future Looks Bright





How to reach us: nrcan.C3E.rncan@canada.ca









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Habiba Al Mar'ashi
Chairperson
Emirates Environmental Group
(EEG)







Role of local and international community in achieving gender diversity/sustainable development in the energy sector

Ms. Habiba Al Mar'ashi,

Chairperson

What is the Situation in the Energy Sector

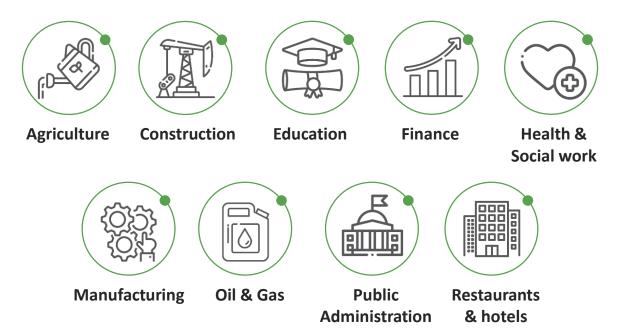


The energy sector is one of the least gender-diverse sectors in the economy





Out of these 9 sectors, what position does the oil & gas take in terms of gender diversity (1 being the more diverse, 9 being the least diverse)





Poll Results



Out of these 9 sectors, what position does the oil & gas take in terms of gender diversity (1 being the more diverse, 9 being the least diverse)





Manufacturing



Oil & Gas



Public Administration



Restaurants & hotels



Gender Diversity in the Energy Sector



Source: "Women, Gender Equality and the Energy Transition in the EU" - A study commissioned by the European Parliament's Policy Department for Citizens' Rights and Constitutional Affairs (May 2019)





University
Graduates
(OECD Countries)



Oil and Gas Subsectors



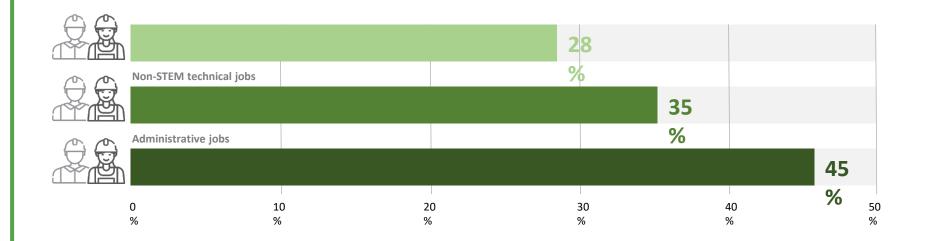
University Graduates in Science & Tech

OECD Countries



Shares of Women in STEM, Non-STEM and Administrative Jobs in Renewable Energy





Source: IRENA online gender survey, 2018.

Note: The vertical line indicates the average of women in renewable energy jobs among survey respondents

STEM= Science, technology engineering
And mathematics



The Loss to the Industry



- 1. Smaller number of highly qualified candidates to choose from
- 2. Bad reputation for the sector among women as a career choice
- 3. Lack of higher quality of teamwork, diversity of perspectives, and creativity



Environmental, Economic & Cultural Benefits



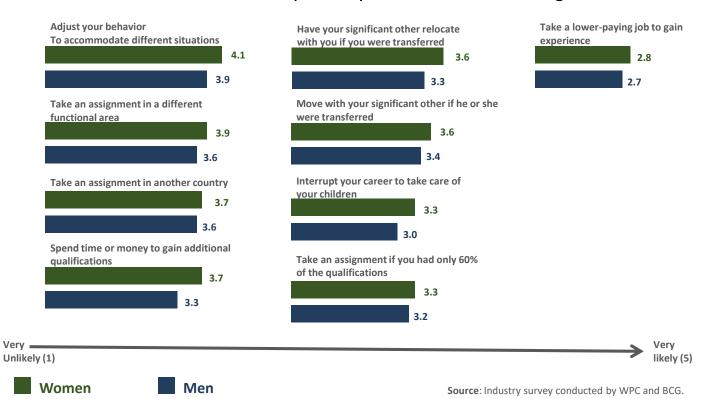
- Companies with more women on their board of directors are more likely to proactively invest in renewable energy and to reduce carbon emissions.
- A country's national competitiveness correlates strongly with various metrics of gender equality.
- Investing in women enhances recruitment and retention and creates a more inclusive work environment.



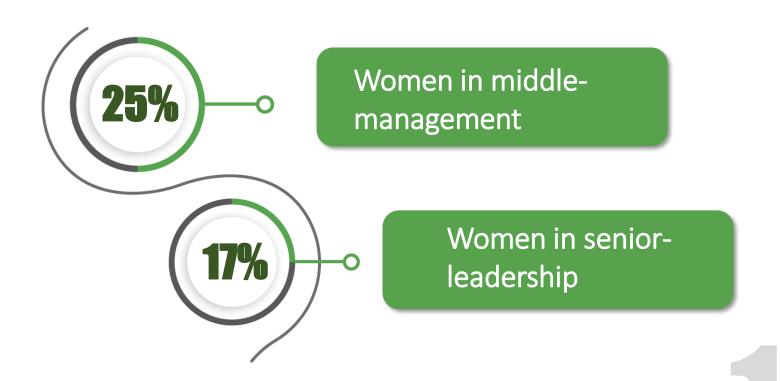
Women Express Greater Willingness to be Flexible Than Men



How likely would you be to do the following?

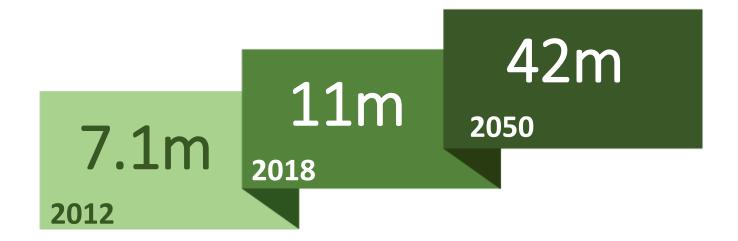






Global Employment in the Renewable Energy Sector

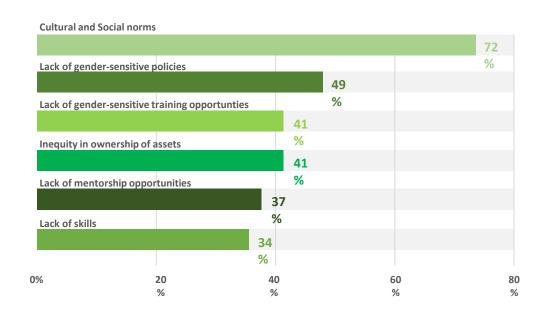




Barriers to Women's Participation in Deploying Renewables to Expand Energy Eccess



"Renewable Energy: A Gender Perspective" - A report on diversity published by International Renewable Energy Agency (Jan 2019)



Source: IRENA online gender survey, 2018.

Note: Respondents were asked to select three barriers to women's engagement in deploying renewables to expand energy access. The percentages represent the share of respondents who selected a specific measure as one of their top three.



Women in Global STEM Programme



- Girls should always be encouraged to study STEM.
- Remove cultural and structural barriers.
- Promote the wide range of roles available in the industry.
- Apply work-life balance for men and women.
- Incentivize women's participation in this sector.



Equal Opportunity Equal Pay Equal Leadership





THANK YOU

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Email: eeg@emirates.net.ae, Website: www.eeg-uae.org



Together for a Better Environment®









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An Inclusive Transition to a Clean Energy Future

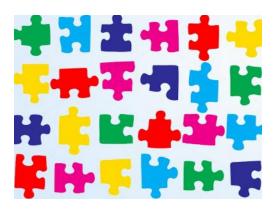
Aisha Bukhari
Vice President, Women in Renewable Energy
Senior Manager, Partner Solutions, MaRS Discovery District

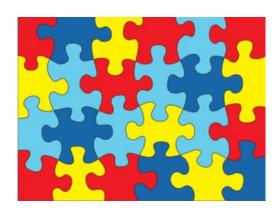
July 15th, 2020

An **Inclusive** Transition to a Clean Energy Future



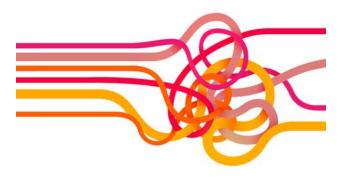
Diversity, Inclusion and Belonging







Pathways to Belonging



Acknowledge Intersectionality



Be Intentional in Developing the Organizational Culture



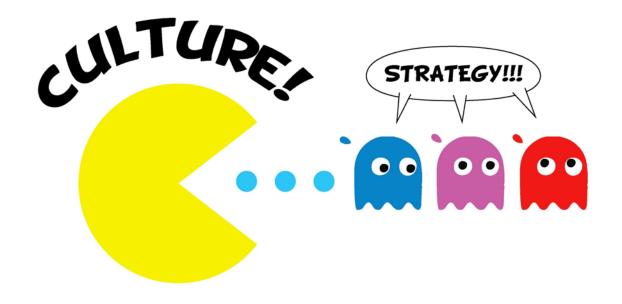
Build Each Other Up



Acknowledge Intersectionality



Be Intentional in Developing the Organizational Culture



Build Each Other Up













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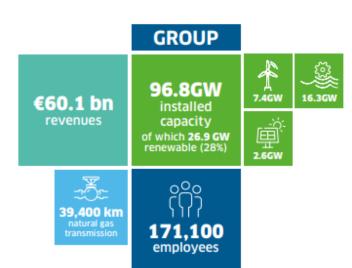
The challenges

- Energy sector still dominated by men: only 25% of women according to the WEF, 17% at senior and executive ranks.
- Need to recruit more women: shift to renewables creates millions of jobs, opportunity to boost gender diversity
- Attract the youth of the Middle East: only 15% of young people in the GCC would work in the private sector. Women are still paid 50% less then men in the private sector in the GCC.
- **Delivering a sustainable future**: the energy sector is the largest emitter of CO2 emissions in the world. It is our responsibility to change the way energy is produced and consumed.





The role ENGIE has to play in sustainable development



2019 figures

- The first energy company to stop coal development in 1995.
- A purpose: to act to accelerate the transition towards a carbonneutral economy, through reduced energy consumption and more environmentally friendly solutions. The purpose brings together the company, its employees, its clients and its shareholders, and reconciles economic performance with a positive impact on people and the planet.
- -50% GHG emissions since 2015, commitment to respect the Paris agreement.
- ENGIE by 2030:
 - -52% the rate of emissions per kWh of energy production
 - **34**% the emissions linked to the use of the Group's products sold between 2017 and 2030.

The steps ENGIE is taking to tackle gender diversity



- Ambitious gender equality objectives at Group level: Fifty-Fifty Project to reach 50% of women managers by 2030
- Partnerships with many organizations for women empowerment:
 Women on the Move, Global Summit of Women, Women Initiative Foundation etc.
- Our approach is paying off: 28.4% of women among Top Managers in 2019; 28% of appointments of women to top management positions in 2019 (compared to 24% at the end of 2018), with a target of 30% by 2020; 36% of women among "High Potentials" against 33% in 2018.
- Feminization of the top management: 4 women in the Executive Committee (31%), 40% of women in the board of directors, first of the Top 40 companies in France to have a woman as CEO.

The role of the wider private sector in tackling both challenges

- Private and public sector must act hand in hand: businesses innovate and create jobs while governments are enablers by providing skilled workers and establishing infrastructures.
- COVID-19 crisis shown the successful cooperation between private and public sectors. Efforts must go further.
- Clean economic recovery requires bold industry leaders with strategies for the common good and ambitious policies from the public sector.
- On gender diversity, businesses have a vital role on inspiring women, especially the clean energy sector. Importance of having a positive impact on society.
- Sparking interest in energy and raising awareness: site visits, conferences, partnerships with schools and universities, women networks etc.



Female students visiting an ENGIE site in Oman



In Qatar, , ENGIE invited local female students on International Women's Day to promote engineering careers among women









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