

To be acknowledged and celebrated as the global leader for the young voices of the engineering profession.

Vision 

To be a sustainable ecosystem that provides support, resources and a platform for young engineers in the WFEO community.

Mission 

Create an ecosystem that nurtures and enables support and youth innovation for young engineers in the WFEO.

Establish regular conversation between the WFEO and the young engineers.

Provide mentorship programs between young engineers and WFEO and partner communities.

Increase the understanding of the international, national, and regional awareness on the impact of globalization on young engineers.

Address the issue of sustainability for the wellbeing of the engineering profession.

Support the WFEO's President's Task Force engaging with the United Nations Commission on Sustainable Development to provide the engineering perspective on the current issues.

Aims 



## WFEO Obj. 1

*Be recognized as the respected and reliable source of advice and guidance on engineering and technology related issues and engage with government, industry, universities and professional engineering institutions on the role of engineering for sustainable development.*

### YE/FL Webinar Series: "Engineering the Future"

#### Expected Results:

Establishing connections assisting committee members to build credibility with various stakeholders including governments, universities, industry and professional engineering institutions

WFEO will become the worldwide reference body on Engineering and Technological matters

Members will participate in working groups to develop best practices and guidelines in engineering

## WFEO Obj. 2

*Be at the forefront of international efforts, especially at the United Nations and its agencies, in making the engineering profession contribute that is scientifically and technologically achievable.*

### Collaboration with UN Major Group for Children and Youth (UNMGCY)

### Collaboration with European Young Engineers (EYE)

#### Expected results:

Extend WFEO and YE/FL visibility through EYE Network and in the role of UN SDGs

Enhance the role of WFEO in the UN 2030 Agenda

Share knowledge

Collaborate on projects and events for prompting SDGs

Contribute to Public Policy working groups within EYE

## WFEO Obj. 3

*Ensure that WFEO committees and working groups increase members' awareness to apply engineering and technology to advance the UN Sustainable Development Goals, to address climate change adaptation, disaster risk mitigation, food security, clean water, energy, public health, and poverty alleviation.*

### Regular reports to members and stakeholders on activities including regional updates

### Knowledge transfer through YE/FL Webinar series "Engineering the Future" and mobilise WFEO members to embrace SDGs and promote implementation

### Set up Working Group focusing on SDG 13

#### Expected Results:

The role of WFEO Young Engineers in SDG 13 is defined and deployed. WFEO YE/FL Committee engage with young engineers' representatives of all WFEO members and collaborate with external organizations

Linkage with international bodies such as YOUNGO (UNFCCC) with agreement and joint projects

Increasing the profile of WFEO

NOTE: The Young Engineers / Future Leaders Committee Strategic Plan is a living document and will be updated to reflect the evolving conditions and situations.



## WFEO Obj. 4

*Implement the Engineering 2030 Plan for professional engineering education and professional development and facilitate mobility of engineering professionals globally.*

Involvement with the International Federation of Engineering Education Societies in the World Engineering Education Forum and the Global Engineering Deans Council (WEEF/GEDC)

International Strategic Forum Workshop-Stakeholder Collaboration for Global Integration of Youth in Industry

Expected results:

Opportunity for WFEO YE/FL members to share experiences, vision, strategy, and also network with engineering /education leaders from across the world.

Young Engineers / Students Interface

Transformation and impact of learning technologies

Youth Mobilization to Action SDGs

*Workforce Readiness:* digital literacy, resume writing, self-presentation, time management, professionalism, social norms.

*Soft Skills:* communication, creative thinking, collaboration, adaptability, initiative, leadership, social emotional learning, teamwork, self-confidence, empathy, growth mindset, cultural awareness

*Technical Skills:* computer programming, coding, project management, financial management, mechanical functions, scientific tasks, technology-based skills

*Entrepreneurship:* setting up a business, starting freelance work or developing as a self-starter within a work environment

## WFEO Obj. 5

*Establish and maintain a global code of ethics for the professional practice of engineering*

Review WFEO Code of Ethics and provide feedback as to how this could be communicated to young engineers

Collaboration with FIDIC Future Leaders

Expected results:

WFEO will be seen as a driving force for ethical performance of the engineering profession, and will provide opportunity for young engineers to obtain the Future Leaders Management Certificate (FLMC)

## WFEO Obj. 6

*Promote diversity and inclusion in the engineering profession.*

Summarise all programs undertaken by members which promote or support diversity and make them available

Ensure diversity on webinar panels

Establish collaboration with Women in Engineers Groups to develop way to attract young girls to the engineering profession

Bi-annual reports on Regional Updates

Expected results:

WFEO will include more Younger Engineers

WFEO will include more Women Engineers.

Increase interest of Young peers and women in the practice of engineering

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## WFEO Obj. 7

*Promote World Engineering Day for Sustainable Development, 4th March annually, the founding day of WFEO*

2020 Young Engineers Competition on SDGs

WED 2020 Mini-Series

2021 WED YE/FL Activity

Expected results:

Highlight the work of young engineers and their engineering achievements in advancing the UN Sustainable Development Goals

Create awareness of World Engineering Day as an important international day for achieving sustainable development by governments, civil society, industry, and the public

## WFEO Obj. 8

*Improve the financial condition, visibility, presence, and stature of WFEO.*

Organise events which advance the UN SDGs by WFEO members

Develop and implement social media strategy to increase visibility of YE/FL and WFEO activities

Expected results:

Increase interest of Young peers and women in WFEO

More visibility for WFEO

## WFEO Obj. 9

*Develop an engaged and expanded membership and the support of and to our members.*

Re-engage former YE/FL members, recruit new members and activate existing members

Improve communications within members

Cooperation between YE/FL and other STC/PICs

Promote WFEO website

Promote WFEO social media pages and LinkedIn

Actively engaging in and supporting activities of young engineering organized by WFEO members

Expected results:

Increased interest to join WFEO

Engage more young engineers to WFEO activities

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