

WORLD FEDERATION OF ENGINEERING ORGANISATIONS
Project to prepare Monograph on Sustainable Energy Engineering for
Attaining Global SDG 7 by 2030
Standing Technical Committee: Energy Committee

The Standing Technical Committee on Energy has developed a realistic project to prepare a Monograph on actions related to Sustainable Energy Engineering that will make it possible to attain the targets of SDG 7 by 2030.

1.UN Sustainable Development Goal that is being progressed:
SDG No.7 devoted to Sustainable Energy.

2.Project Name, Objective and Description:

Name: Monograph on Sustainable Energy Engineering

Objective: The objective of the project is to prepare a Monograph (in about 100 pages) on engineering interventions for attaining Global SDG 7 by 2030.

Description: The Monograph will present the following:

- Overview of Global Energy Situation; and the global efforts for attaining SDG 7 by 2030.
- Identify engineering inputs for targets set for goal on sustainable energy, that includes access, efficiency, use of renewable energy and means of implementation.
- Describe inter-linkage of energy with other SDGs, and develop conclusions in the form of outcomes that may be followed by Member Committees of WFEO, with due consideration to the status that various countries are at different levels of development and engineering institutional and financial capabilities.
- Outcome of interaction with international organizations and all stakeholders to understand lessons learned and insights and experiences; and identification of challenges and corresponding opportunities.

3.Project Leader and team:

The Project Leader is Mr. Pradeep Chaturvedi, Vice-Chairman, Energy Committee, WFEO and the team includes leaders of WFEO Regional Energy Committees. Mr. K. S. Popli, CMD, Indian Renewable Energy Development Agency will also form a part of the Committee. Representative of Dellitte, if they agree to partner. The President, WFEO and Chairman, Energy Committee WFEO will be special invitees.

4.Scope of Project:

The scope of the project includes the following:

- I. Information and data will be collected from authentic sources and reviewed for global expectations and approaches in different regions and different levels on SDG 7 and linkage with other SDGs.
- II. Options of sustainable energy supply , leading to environment friendly sustainable development in terms of access, efficiency, renewable energy systems and means of implementation.

- III. Identification of gaps for meeting the challenge of 2030 and analysis of engineering inputs necessary at global, regional and local levels in site specific format and policy institutional support and funding required for the same.
- IV. Way forward – Vision of WFEO on engineering inputs and corresponding policy support and funding for engineering interventions for renewable energy based global sustainable energy supply.

5. Project Schedule:

The Monograph will be prepared, peer reviewed and printed in time for release at GEC 2018 in London during 22-23 October, 2018. The Monograph will be distributed to all governments, international agencies and made available in hard copy and soft copy.

This will be the only global study on Engineering Interventions for Ensuring Success of SDG 7 and will be a sequel to WFEO effort made in 2009, when a similar Monograph was published considering Millennium Development Goals were considered.