

**Green H<sub>2</sub> & Power to X Training**

**Training at a glance**

The goal of this training is to provide a comprehensive overview of the entire green H<sub>2</sub> & PtX value chain and look at the opportunities of green H<sub>2</sub> & PtX in the future energy system. After this course, the participants will be qualified to realistically assess the potential for the production, application and, if necessary, export of green H<sub>2</sub> & PtX.

**Recommended for**

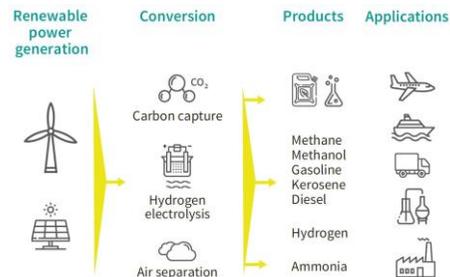
responsible and relevant staff, dealing with green H<sub>2</sub> & PtX topics, such as:

- Decision makers in ministries or staff of national green H<sub>2</sub> & PtX commissions
- Staff of public/private partner research institutes, energy federations and renewable energy agencies
- Staff of regulatory authorities and other relevant administrations
- Journalists and actors of civil society

**Content 3-day training Vietnam**

- Module 1: Introduction
- Module 2: Production of Hydrogen & PtX
- Module 3: Hydrogen & PtX Economics
- Module 4: Hydrogen & PtX Infrastructure
- Module 5: Sector-specific overview and market knowledge
- Module 6: Climate & Environment relevant sustainability criteria:
  - Economic
  - Environmental
  - Social
  - Governance
- Module 7: Socio-economic and governance-related sustainability issues
- Module 8: Support Policies and Regulations
- Transfer Workshop

**For details please contact**  
 Elmar.Schuppe@giz.de



## Training Approach

| Live facilitated sessions   | Home assignments  |
|---|---|
| <ul style="list-style-type: none"><li>• Technical inputs &amp; presentations</li><li>• Critical evaluations</li><li>• Case studies</li><li>• Application of learning through practice including interactive methods</li><li>• Peer learning and coaching during the application</li></ul> | <ul style="list-style-type: none"><li>• Self-study</li><li>• Application of learning through practice</li><li>• Manual for follow-up</li><li>• Literature for further reading</li></ul> |

## Learning objectives

- Understand key terminology, context and recent developments;
- Identify and differentiate production pathways;
- Develop technical and economical understanding;
- Identify and evaluate market opportunities (today/future);
- Frame and market opportunities green H<sub>2</sub> & PtX projects;
- Understand instruments to foster and regulate green H<sub>2</sub> & PtX developments;
- Acknowledge and evaluate the importance of sustainability criteria.

## Learning period

Modular 3-day basic training

- Fundamentals and applications of green H<sub>2</sub> & PtX,
- Region-specific transfer workshop

### Schedule

July, 6<sup>th</sup>-8<sup>th</sup> 2021  
1 p.m. – 7 p.m.

### Training fees

Sponsored by the International PtX Hub Berlin

### No. of participants

Max. 15 persons

### Technical/IT requirements

|          |   |
|----------|---|
| Software | – MS Teams, specific visualisation and exchange tools |
| Audio    | – Headset   |
| Internet | – Recommended to use LAN for a stable connection      |

## Key activities of the International PtX Hub Berlin

- Integrate sustainable green H<sub>2</sub> & PtX into comprehensive climate strategies
- Tap green H<sub>2</sub> & PtX potential in partner countries
- Foster international exchange
- Build capacities in partner countries by generating knowledge

The International PtX Hub Berlin aims at creating a critical mass of well-versed people worldwide who have a high level of professional competence in the subject of green H<sub>2</sub> & PtX, are enthusiastic about green H<sub>2</sub> & PtX and convinced that mankind can maintain and expand its prosperity without fossil fuels.

## Our funders and partners

On behalf of:



of the Federal Republic of Germany