

# IN-PERSON COURSE

18 JUNE 2024

09:00 - 16:00

COPENHAGEN



SCAN ME



ENERGY AND  
CLIMATE  
ACADEMY



## POWER-TO-X TECHNOLOGIES AND APPLICATIONS

*A comprehensive exploration of technologies, from  
fundamentals to advanced applications*

In a rapidly evolving environmental and business landscape, **the significance of Power-to-X technologies** cannot be overstated.

Our comprehensive program **immerses you in the forefront of innovation**, delving deep into the processes, technologies, and challenges driving the Power-to-X landscape.

From seasoned professionals to newcomers, our **course empowers individuals** to redefine and achieve their company's objectives in this transformative arena.

*In collaboration with:*



### ENROLLMENT DETAILS

**The venue:**



[Bragesgade 10c](#)

[2200, Copenhagen](#)

**Information:**



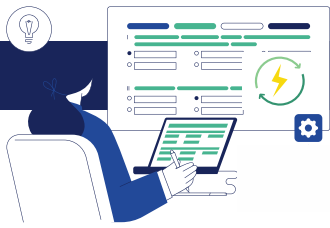
[info@aprendio.io](mailto:info@aprendio.io)

**Registration:**



[shop.aprendio.io](https://shop.aprendio.io)

**REGISTER NOW**



# EXPLORE

## THE COURSE OBJECTIVES

- **Understand Power-to-X processes**, technologies, and market perspective.
- **Gain technical proficiency** in electrolysis, hydrogen production, and green fuel methodologies.
- **Access industry insights** on the latest developments and challenges.
- **Empower participants** to achieve sustainability goals in their roles.
- **Align with global sustainability objectives**, including CO2 reduction and electrolyzer capacity.

## COURSE CONTENT

### 1. INTRODUCTION TO POWER-TO-X

- Understand Power-to-X and its role in energy transition.
- Identify challenges and current projects in Denmark.

### 2. WATER ELECTROLYSIS FOR HYDROGEN PRODUCTION

- Learn fundamentals and safety in water electrolysis.
- Compare electrolyzer types and consider efficiency.

### 3. POWER-TO-LIQUID FUELS

- Explore methods for green fuel production.
- Recognize industrial applications and growth potential.

### 4. BIOGAS-TO-X AND CARBON CAPTURE

- Understand methanation and renewable methane.
- Explore carbon capture integration and CO2 utilization.

### 5. POWER-TO-X CASE STUDIES AND PRACTICAL APPLICATIONS

- Analyze real-world projects and lessons.
- Assess current challenges and research in Power-to-X.

### 6. FUTURE PROSPECTS AND COURSE SUMMARY

- Discuss Power-to-X's role in industry decarbonization.
- Summarize course insights and future implications.

**ENROL IN THIS PROFESSIONALLY CURATED COURSE AND GAIN COMPREHENSIVE OVERVIEW OF POWER-TO-X FROM A SUBJECT MATTER EXPERT!**



### MICHAEL KOLLING HANSEN

Energy Engineer, Process Engineering A/S

With 8+ years of experience, expertise includes research, market analysis, business development, and consultancy in renewable energy engineering, driving advancements in Power-to-X technologies for a sustainable energy future.

## GUIDE & MENTOR



After completing the course, participants will receive a **Certificate of Completion** from the **Energy and Climate Academy**.

Mikkel Navarro Hansen | CEO & Founder at Aprendio | [mnh@aprendio.io](mailto:mnh@aprendio.io)

*Note: The course content may be subject to updates based on industry trends and advancements.*