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National Train-the-Trainers

Modern Teaching Methods, Laboratory Safety and Risk Assessment
for Green Hydrogen Engineering Education

*Training today
for a sustainable
tomorrow*



Aïn Témouchent

Algeria

Tunisia

Poland

Greece

Jordan



Modern teaching
methods



Green hydrogen
technologies



Laboratory safety
and risk assessment



Hands-on learning
and digital tools



Curriculum
development



27–29 October 2026



Aïn Témouchent,
Algeria



Algerian University Teachers, Laboratory
Instructors, Technical Staff & Curriculum
Coordinators



TRAINERS Dr. Piotr Wojciech SAKIEWICZ & Dr. Anna Maria KILJAN – Silesian University of Technology (Poland)

Agenda

DAY 1 – Tuesday, 27 October 2026

Hands-on learning using case studies and
digital tools

- 14:00 – 14:30 Registration
- 14:30 – 15:00 Opening session
- 15:00 – 16:30 1&2
 - 1. Introduction: From Traditional to Modern Engineering Education
 - 2. Modern Assessment of Engineering Competences
- 16:30 – 16:45 Coffee break
- 16:45 – 18:15 3 Green Hydrogen Production and Laboratory Systems

DAY 2 – Wednesday, 28 October 2026

Green hydrogen production, storage, and
applications

- 09:00 – 10:30 4 Hydrogen Laboratory Safety & Hazard Identification and Risk Assessment
- 10:30 – 11:00 Coffee break
- 11:00 – 13:30 5 The Changing Role of the University Teacher
- 13:30 – 14:30 Lunch break
- 14:30 – 16:00 6 Problem-Based, Project-Based and Case-Based Learning

DAY 3 – Thursday, 29 October 2026

Integration of hydrogen education into
engineering curricula

- 09:00 – 10:30 7 Modular Teaching and Curriculum Development
- 10:30 – 11:00 Coffee break
- 11:00 – 12:30 8 Teaching and Learning in the AI Era & Teamwork, Hands-on Learning and Digital Tools
- 12:30 – 13:30 Lunch break



HOST INSTITUTION
University of Aïn Témouchent
Belhadj Bouchaib
Aïn Témouchent, Algeria



ARISTOTLE
UNIVERSITY OF
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KNOWLEDGE INNOVATION CULTURE

Silesian University
of Technology

