

Project description "Power-to-MEDME-FuE"

Sub-project on capacity development

Background

"Power-to-MEDME-FuE" is a scientific project supporting the production scaling of green hydrogen, methanol, and dimethyl ether in Chile. The research activities are being carried out within a consortium under the coordinating leadership of Fraunhofer IEE.

RILLL's focus is on human capital and capacity development along the entire value chain in Chile. The aim is to ensure that a sufficient amount of skilled workers have the skills required by companies in the hydrogen sector.

Objectives of the sub-project

The aim is to identify the skilled labor needs of Linde Chile and other companies along the value chain to scale up the production of green hydrogen. Suitable training measures will be identified and piloted to equip workers in Chile with the necessary skills to set up and operate production facilities.

Activities

The sub-project has three central components:

1. RILLL and AHK Chile will support Linde in its **strategic workforce planning** to build and scale up a green hydrogen pilot plant. Our tasks:
 - a) analyze the job profiles with their skills and qualification requirements and match them with the skills of workers available in Chile;
 - b) Prepare curricula/training measures for capacity development; and
 - c) implement these measures as part of pilot training programs.
2. RILLL and AHK Chile are preparing a **strategic workforce plan** for Chile to find out how the green hydrogen value chain will develop in the future, what needs will arise from this, and which training and further education measures are suitable to align supply and demand for local skilled workers in the short, medium and long term.

RILLL

Research Institute on Lifelong Learning

Michaelkirchstr. 17/18
D- 10179 Berlin
Phone: +49 (0)30 8471223-0
Fax: +49 (0)30 8471223-29

Your contact person:
Dr. Dieter Dohmen (Project Lead)
d.dohmen@fibs.eu

Carmen Belafi (Deputy Project Lead)
c.belafi@fibs.eu

Jehona Serhati (Deputy Project Lead)
j.serhati@fibs.eu

www.fibs.eu

PROJECT DATA

Funded by: German Federal Ministry of Education and Research (BMBF)

Duration: 10.2023 - 07.2025

Consortium partners:

Fraunhofer IEE (coordinating lead), Fraunhofer Chile Research, Fraunhofer ISE, Fraunhofer IMM, Fraunhofer ISC/HTL, Fraunhofer IAP-CAN, Fraunhofer IKTS, RWTH Aachen University, FiBS RILLL

Implementation partner:

AHK Chile

- These analyses will be supplemented by a **feasibility study** to determine whether and how elements of a dual or cooperative vocational training model in the field of green hydrogen can be introduced or further developed in Chile.

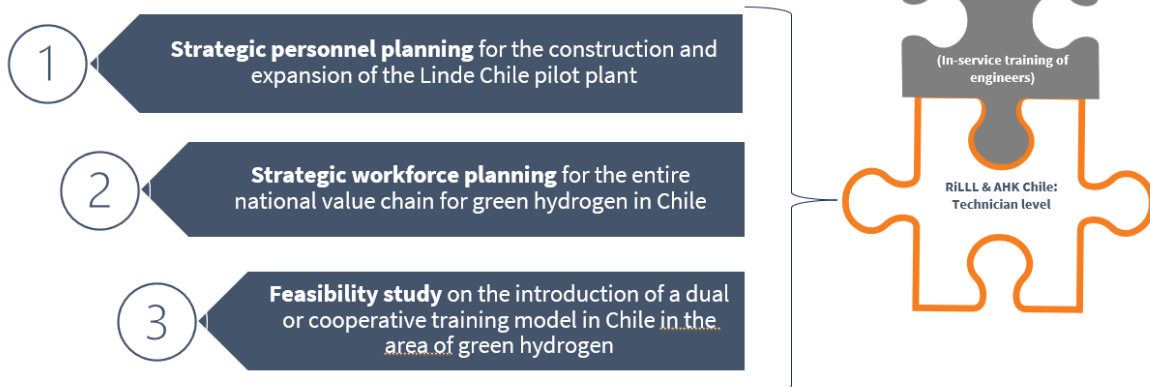
THE PROJECT PARTNERS

The **Research Institute on Lifelong Learning (RiLL)** - in association with the FiBS Research Institute for Education and Socioeconomics - has many years of experience and scientific expertise in the field of lifelong learning as well as in strategic personnel and specialist planning.

AHK Chile supports this with its in-depth experience in the field of dual education and training and a deep knowledge of local contexts and networks, from business to politics and educational institutions.

Our contributions

The aim is to secure the short, medium and long-term demand for skilled workers at Linde Chile and other companies along value chain of green hydrogen production in Chile.



Federal Ministry
of Education
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AHK

Deutsch-Chilenische
Industrie- und Handelskammer
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