

ABOUT ITEL

ITEL – Deutsches Lithiuminstitut GmbH was founded in Summer of 2021 on the initiative of medium-sized companies who want to expand their business models into lithium as the new driver of environmentally-conscious economic development.

Systematic research and development strategies in the intertwined fields of economics and technology provide a significant potential for refitting value chains vis – à – vis the new challenges.

ITEL is a strategic partner of Martin Luther University Halle Wittenberg.



CONTACT

ITEL – Institute for the Economics and Technologies of Lithium Deutsches Lithiuminstitut GmbH

Leipziger Straße 70
06108 Halle (Saale)
info@lithiuminstitut.de
www.lithiuminstitut.com

CEO

Prof. Dr. Dr. h.c. Ulrich Blum
ulrich.blum@lithiuminstitut.de

Prof. Dr. Ralf Wehrspohn
ralf.wehrspohn@lithiuminstitut.de

Senior Advisor

Prof. Dr. Gregor Borg
gregor.borg@lithiuminstitut.de

Registered under HRB: 30481
Registergericht: Amtsgericht Stendal

Bank account: Landesbank Baden-Württemberg
IBAN: DE53 6005 0101 0405 4970 29
BIC: SOLAEST600



PURPOSE & OBJECTIVES

The principal purpose is to establish a research center for lithium proper, but also the related by-products. It is aimed at promoting the circular-economy approach both in terms of real and digital flows. In a broader economic perspective, a new growth cycle is to be exploited for the catching-up process in the Central-German industrial region.

A refinery is to be set up with the most modern processes for the extraction of lithium from ore concentrates. It is conceived as a real-laboratory and simultaneously as a public demonstration center for the interested.

A circular system is conceived that, in addition to recovering lithium from old batteries, includes all secondary raw materials that can be used to substitute for critical building materials such as FGD-based gypsum or slag cement.

RESEARCH UNITS

Center for Green Hydrogen (CGH)
Ralf Wehrspohn, Maria Gaudig
CO2-neutral production

Center for Recycling and Resources (CRR)
Ralf Wehrspohn, Gregor Borg
specification of deposits, refining processes, fingerprinting of resources

Center for Economics of Materials (CEM)
Ulrich Blum
value-adding of by-products, digital twin, standardization

NETWORK

Research:

Martin-Luther-University Halle-Wittenberg
Ecole Polytechnique, Université de Montréal
Korea Institute of Energy Technology (KEN-TECH), Naju-si
University of International Business and Economics (UIBE), Beijing
University for Science and Technology of China, Hefei, Suzhou branch

Industry:

GP Günter Papenburg AG - Construction
Schwenk Zement GmbH & Co. KG - Cement
Knauf Gips KG - Gypsum
Rock Tech Lithium Inc. - Lithium
Basalt-Actien-Gesellschaft - Natural stone

Nickelhütte Ave
Chemiepark Bitterfeld

Image rights: @AdobeStock

