i-crown© – CO_2-Swing Direct Lithium Extraction (cs-DLE)

Project Idea	**We are developing a lithium-recovery concept based on crown-ether-functionalised silica and CO_2-assisted regeneration. The concept is currently at TRL 3, so we are not offering a pilot-ready DLE process.**
Organization name, town and country	RiskCom GmbH (Kalmbachstr. 27, 82431 Kochel am See, Germany)
Addressed topic(s)	e.g. MAT-PROD-16 as complementary technology to more advanced concepts

RiskCom GmbH

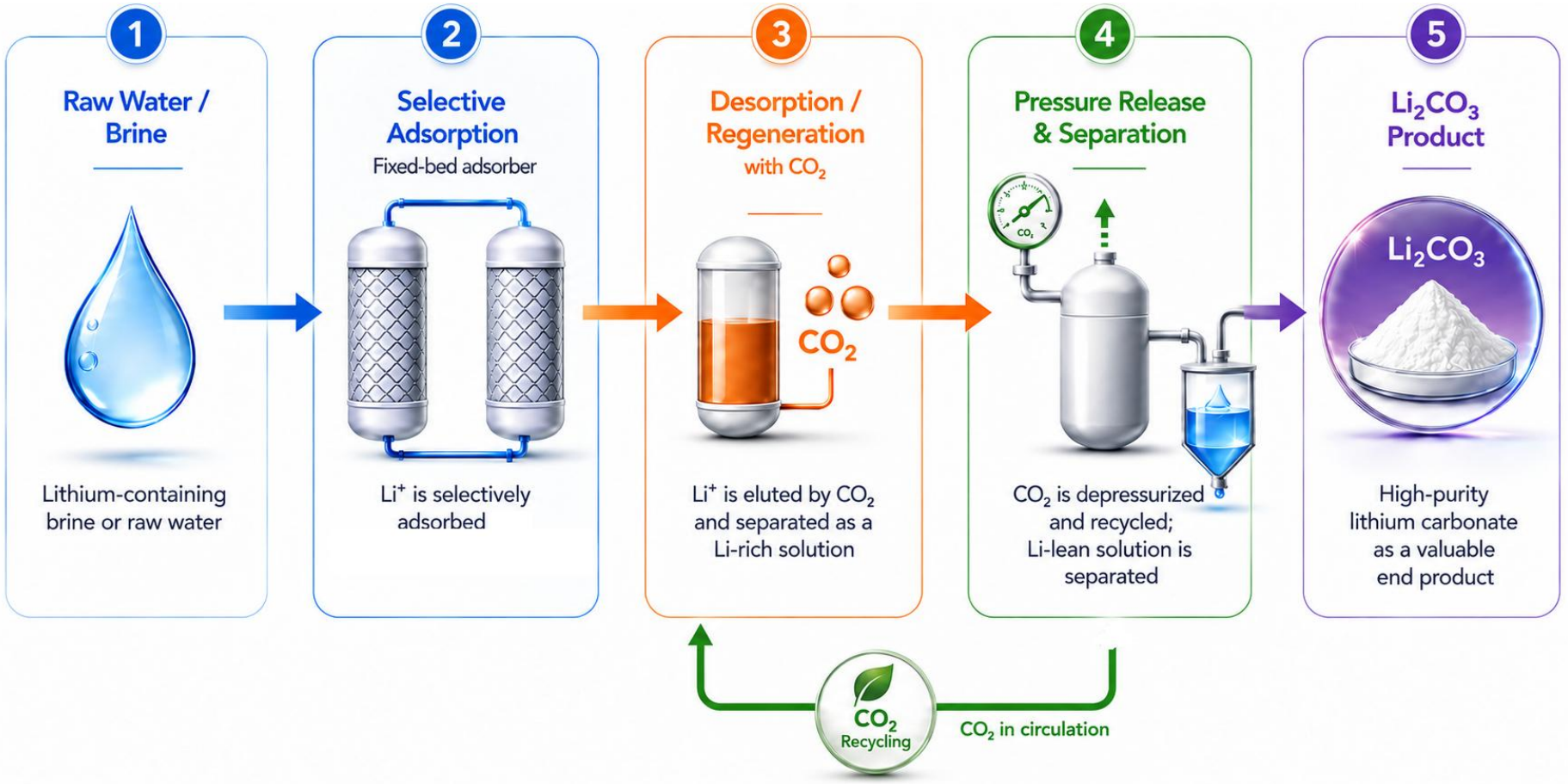
- RiskCom is a consultancy, but also active in subsurface remediation project
- EU-Projects: e.g. Aquarehab, NanoRem, Life Surfing, EiClaR

- Consulting
- Implementation of in-situ Remediation
  - Injection technology
  - Thermal Remediation
  - Chemical Remediation
  - Flushing technologies

- Analysis of project risks
- Risc assessment
- Quantitative analysis
- Integration with financial modelling
- Risk communication

Direct Lithium Extraction with CO_2-Swing (cs-DLE)

- Selective Sorption of Lithium from brines and Production of Li_2CO_3 with CO_2 (CO_2-Swing)



Competences / type of partners sought

- Coordinator of a proposal with some room for complementary concepts
- Manufacturer of silica gel-based materials
- Partners with access to all sorts of brines containing Lithium
- Partners with test capacities for DLE-technologies

Contact details

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