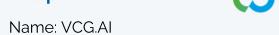
Al-powered discovery of silicon sources

Timeline: 05/25 - 07/25

Budget: €10,000

Startup



 Tagline: Al-driven circular economy enabler

Founded: 2022

• Location: Stuttgart, Germany



Industry partner



Name: K+S AGFounded: 10/1889

 Tagline: Salt, potash & magnesium producer

• Headquarter: Kassel, Germany

The problem

Silicon has a positive influence on nutrient availability and drought resistance of plants. However, it remains a challenge to find circular and preferential organic silicon streams that can be used as an value-adding additive to standard K+S fertilizers.

The solution

Al-driven identification and discovery of high-quality, plant-available silicon sources from residual material streams through VCG.Al's value chain generator platform.

Project deliverables

- Development of tailored Al-model for circular silicon sources & data gathering report
- Discovery & priorisation report for the most relevant circular silicon sources, including data for price estimates, volume, TRLs, technological pathways & geographic distribution
- Onboarding workshop to VCG software, combined with a 1-Month access to VCG software for K+S colleagues
- Feedback workshop & roadmap report



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