KL UNIVERSITY RESEARCH PROJECT
BLOCKCHAIN FOR THE CIRCULAR ECONOMY

PROJECT DURATION
December 2020 – July 2022

PROJECT LEADER
Prof. Dr. Moritz Petersen (Kühne Logistics University - KLU), Prof. Dr. Moritz Petersen (Kühne Logistics University - KLU)

BRIEF DESCRIPTION
Only 6% of the materials processed worldwide are recycled. More recycling in material flows would not only be a great relief for the environment but also holds enormous savings potential for companies of all sizes, especially SMEs. Effective recycling of products and materials often fails due to insufficient availability of product information along the supply chain. This research project aims to design Blockchain-based digital twins that maps the product’s composition and origin in detail and evaluate them concerning their applicability in supply chains for the circular economy. As a result, companies can assess the technical scope, ecological and economic effects, and strategic implications.

PROJECT FUNDERS
Federal Ministry for Economic Affairs and Energy (Bundesministerium für Wirtschaft und Energie (BMWI))

PROJECT PARTNERS
Hamburg University of Technology (TUHH)

WEB LINKS
https://blink-projekt.info/

SUBJECTS
Sustainability, Digital Transformation, Environment