

## Defining a product passport together with a material tracing startup (Circular) – Project study offered

Munich | 3-6 months | start as soon as possible

### Project study topic

**Context:** Circular provides Traceability-as-a-Service, to verify responsible sourcing, to underpin effective recycling and to improve efficiency. Supply chains are networks and no one Manufacturer/OEM can create visibility in their own supply chain alone. Circular builds supply chain networks and utilise data insights cross these networks to better identify issues within them.

It uses a variety of different technologies to reliably give a commodity an identity and to track supply chain data along the journey from source to consumption. Within mapped supply chains Circular proves responsible sourcing, demonstrate sustainable production and underpin effective recycling and reverse logistics. Further functionalities like step-wise carbon accounting of materials and tracing product locations for safe lifecycle management complement the service.

As part of the overall EU push to develop digital “Product Passports” that carry product information across life cycles – from material provenance and properties to product identification, handling information, environmental and social criteria, to information on state of health, repair and safe dismantling and recycling, these digital ledgers could become game changers in how we handle products. Circular can already provide parts of these data and is now setting out to contribute further to developing a product passport.

**The Challenge:** This study offers the opportunity to develop the concept for a product passport concept. Our experts and the Circular-team are ready to assist.

### Profile

- 2-5 students in Management & Technology (TUM-BWL/WIN/NAWI/MIM)
- Very good communication skills in English and German
- High degree of motivation and fast learning
- Passion for sustainability-related topics

### About SYSTEMIQ

SYSTEMIQ is a speciality firm for innovation and investment in disruptive systems of land use, energy generation, industrial production and urban living. The firm was set up in 2016 to drive the implementation of the Paris Agreement and the UN Sustainable Development Goals (SDGs) by transforming markets and business models in key economic systems. We have set out to achieve our mission through a unique portfolio of activities which include:

- building and supporting coalitions of leaders with the knowledge, experience and authority to shape policies and business strategies that will rapidly transform economic activity in line with the UN and Paris targets



- co-creating and incubating the market solutions most likely to build regenerative economic systems, in partnership with businesses, governments, non-profits and other institutions
- investing our own capital and expertise in early-stage ventures with the biggest potential to drive rapid system change

We are uniquely equipped for these activities by the experience, expertise and energy of our partners and associates, based in London, Munich and Jakarta.

### **Supervisors**

SYSTEMIQ: Matthias Ballweg, Tilmann Vahle

TUM: Niclas-Alexander Mauß

### **Application**

Please apply as a team with your CVs via mail to Matthias Ballweg ([matthias.ballweg@systemiq.earth](mailto:matthias.ballweg@systemiq.earth)) and Niclas-Alexander Mauß ([niclas.mauss@tum.de](mailto:niclas.mauss@tum.de))

### **Additional Project Studies**

We are currently offering five project studies, please check the job board for detailed information on the other offers:

- **European Green Deal & Job Implications**
- **European Green Deal & Circular Economy**
- **European Green Deal & Intervention Points**
- **Circular Economy & Digital Product Passport**
- **Circular Economy & Cars**

