# About Cenex Nederland

[Cenex Nederland](https://cenexgroup.nl/) (Cenex NL), officially established in June 2018, is an independent not-for-profit Consultancy and Research Technology Organisation. We specialise in zero-emission vehicle and energy infrastructure, smart mobility, and related circular economy applications. Our mission is to support our customers and partners in making the world a better place to live and travel in. Naturally, this means we are also committed to stimulate the energy transition and achieve the UN Sustainable Development Goals.

In addition to our team in the Netherlands, we work closely with our strategic partner in the UK, [Cenex](https://www.cenex.co.uk/), (est. in 2005). This means we have access to an additional team of over 20 specialists with a wide range of complementing knowledge and skills to strengthen our team and ability to provide a great range of expertise to our partners and customers. Amsterdam may be our hometown, but our activities and ambitious agenda have an international reach as we work in international R&D projects and work with customers within and outside of the Netherlands.

# Circular design principles for charging infrastructure

Location: Amsterdam, the Netherlands

Start date: September / October 2021

Duration: 5-6 months

**Context:**

The market share of Electric Vehicles (EVs) is snowballing, and in parallel, so is the demand for EV charging infrastructure. The charging technology itself is also continuously developing and subject to innovative changes. Chargers may require maintenance, repairs, or upgrades, and will eventually come to their end-of-life. Different components and materials will need replacements, repurposing or be recycled as much as possible. Within the circular economy design principles, parts are ideally made from recycled material and designed to be replaced easily or processed to become a resource for another product. EV charger manufacturers may not currently be manufacturing their charge units following these principles.

**The Internship Assignment:**

What are purchasing organisation asking for, and are they asking for the right things? How do the suppliers apply sustainability to their products, and are they doing the right things? To what extend do supply and demand match, and how could this be improved to stimulate or to bring charging infrastructure to the next level for sustainability and/or circularity.

If you are interested in circular design principles and like to dive deeper into the emerging world of EVs and its charging infrastructure, we are happy to discuss what you would like to research in this area!

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