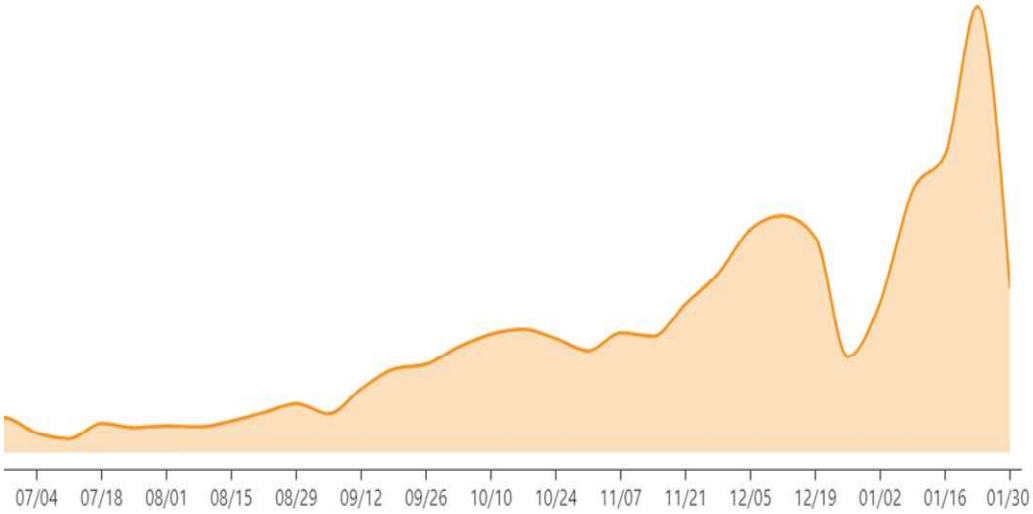
POWERSTATION

EVs LOVE IT

The Powerstation Expertise

Chargepoints/EV-driving

- Many years of experience
- 2000+ chargepoints sold/installed
- B2B, B2C, B2G and the semi public place
- Reimbursement of charging costs
- Charging needs at specific location
  - 30-350 kW DC Charger on the road
  - AC charging up to 22kW at the office
  - AC charging at your home
- Load-balancing/solar-charging



Negative experiences

Current Market

- Chargepoints are made of plastics
- Because of the uncertainty around electric vehicles people choose the cheapest sollution.
- Expected lifetime of 5 to 7 years
- Devices are not repaired but swapped
- Swapped chargers end up in the trash
- Cheap chargers come from the other side of the world. (footprint)

Inspiration

Charging stations that are more sustainable

- We sourced more sustainable chargers to work with:
  - High quality components
  - Replaceable components, made by valuable producers
  - Recyclable raw materials (inox/alloy)
  - Fix a broken component instead of swapping the complete charger
  - Local production

Our Design/Product

Requirements

- Long-life components
- High quality
- Local product / local suppliers
- Replace the weakest part to expand the lifetime (refurbish the controller)
- Keep it simple (production and maintenance)
- Use recycled products that can be recycled again at the end of life. Avoid paint/glue in the production process
- A solid product can be used in the public enviroment

Our vision

Where we are now?

- Finishing design phase
- Alloy based body
- Semi structural bio-based composites
- Visual parts on the chargepoint can be bio-based
  - Hemp
  - Coffee
  - Jeans
  - Reed
- Sourcing the best and most futureproof controllers
- Testing and sourcing other components
- Ready to be ordered by March of 2023
- Ready to deliver in Q2 of 2023
- Eager to Learn about materials/market

Benefits

Privilaged Position

- Part of Cordeel
  - Leading construction company
  - Innovative
  - Knowledge
  - R&D
  - C-Biotech develops Bio-composites
- Hemp cleans the soil of pollution (PFOS 3M)
- The same hemp can be used to build the charging station, which can then be installed on the cleaned soil

Hardware

Circularity

- Use recycled raw material
- Power-components 25Y
- Alloy body of the charger 25Y
- Wiring in the charger 25Y
- Sockets can be used 50.000 times (50 years on a rate of 3 times a day)
- Charge-controller 7 to 10Y
  - Change or refurbish the controller every 7 Years to keep an up to date device
- If our customer wants a new charger, we will buy back the charger, refurbish the complete device and resell it to the next client
- Reuse or recycle all components

Goals

Were we want to be in 5 years

- Local producer of sustainable chargepoints for every EV
- Global production hubs
- Giving ChargePoints a second life by refurbishing

Contact

Useful links

- Website: https://www.powerstation.be/
- LinkedIn: https://www.linkedin.com/company/powerstation-bv/
- E-mail: info@powerstation.be
- Request a charging card: https://dashboard.powerstation.be/signup
- Signup for the software platform: https://dashboard.powerstation.be/cpo/signup
- Questions? Senne.potters@powerstation.be

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