

Digital Transformation of Energy Grids

Distribution grids are the key for a successful energy transition worldwide



380M+

Renewable power plants



540M+

Charging points



4B+

Smart meters

Workflows and IT systems at distribution system operators are not ready for this challenge



Isolated and inconsistent data silos



Time consuming manual processes

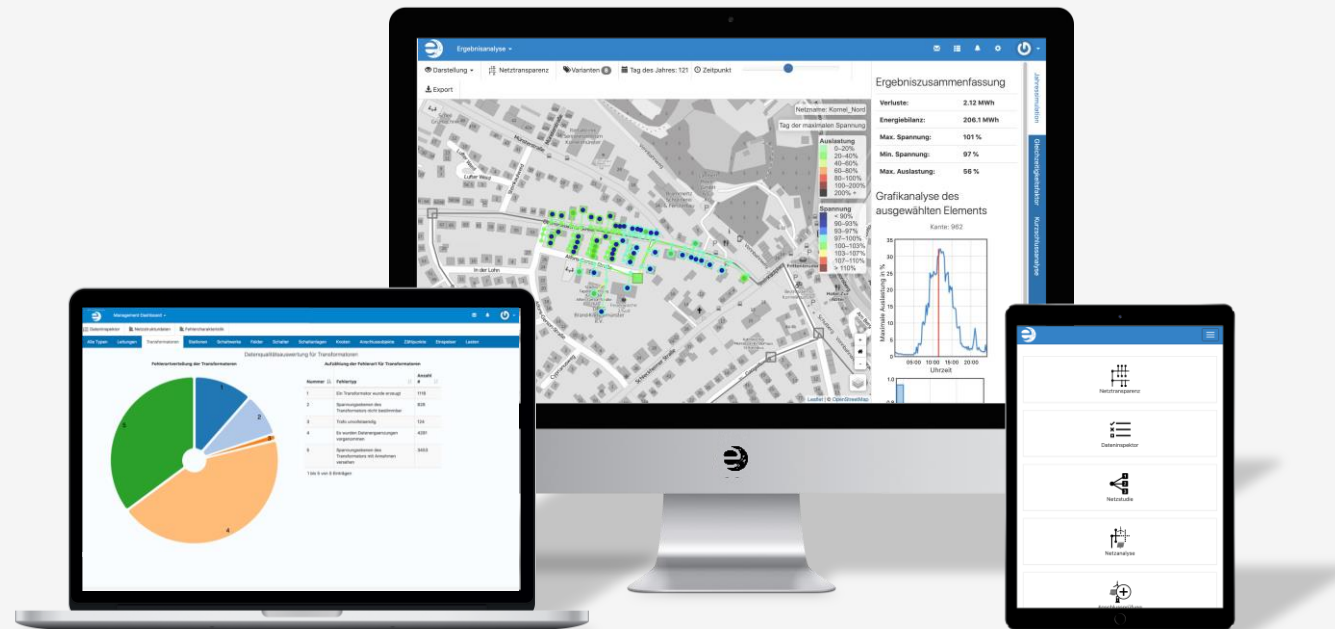


No integration of smart grid technologies

Our Solution

The Intelligent Grid Platform

Digitization and Automation of Grid Planning and Operation Processes

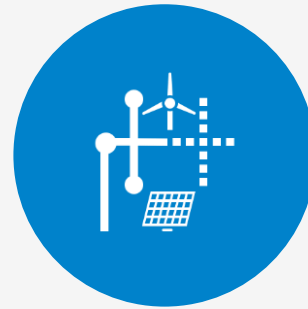


The Intelligent Grid Platform is a digital and automated grid operating system



IGP Data Quality

Data clean-up based on machine learning



IGP Planning

Faster and more cost-efficient grid investment decisions



IGP Operation

Real-time insights and automated control in grids

envelio is a rapidly growing startup with strong traction in Germany and Europe



Company profile

Founded in April 2017 as spin-off
from RWTH Aachen University

Technology Basis: 5 PhDs in
grid planning and operation

49 employees

Two financing rounds with eCAPITAL, Demeter (F)
and High-Tech Gründerfonds (D)

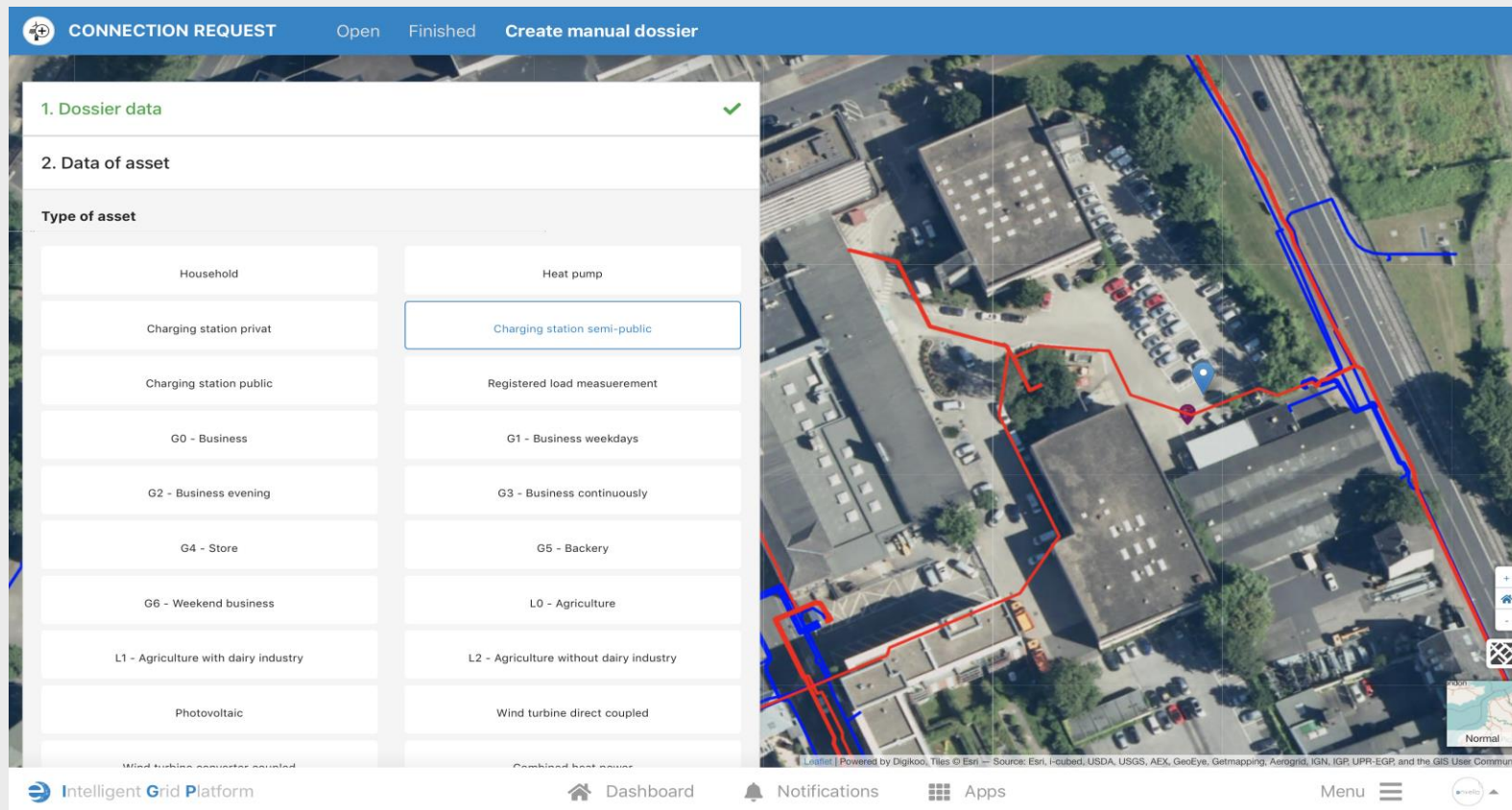


Our customers



Grid analytics in action

Electric vehicle charging point integration in city and suburban grids



Main Apps	Grid Analysis Connection Request
Grid Area	1.300 Primary substations 65.000 MV/LV stations 4,8 mio. grid customers

- Faster determination of electric vehicle charging point locations
- Proven big data capabilities with large scale deployment
- **Initial pilot project converted into full roll-out for entire grid**

Cutting down the time needed for connection requests from weeks to seconds



e.dis

Netzanschlussmonitor

Sie produzieren Strom und möchten diesen in unser Netz einspeisen? Hier können Sie schnell, bequem und transparent abschätzen, wo Ihre geplante Erzeugungsanlage an unser Mittelspannungsnetz angeschlossen werden kann.

Bitte beachten Sie, dass der angezeigte Verknüpfungspunkt allein auf der Basis einer komplexen Lastflussberechnung ermittelt wurde und deshalb nicht dem gesetzlichen Verknüpfungspunkt nach dem EEG/KWKG entsprechen muss.

Standort

▼ Suche mit Adresse
Eingabe einer Adresse

> Suche mit Liegenschaft

> Suche mit Geokoordinaten

Anschlussstyp

Photovoltaik

Kraft-Wärme-Kopplung

Windenergie

Biomasse

Wasserkraftwerk

Geplante Leistung

kW kW

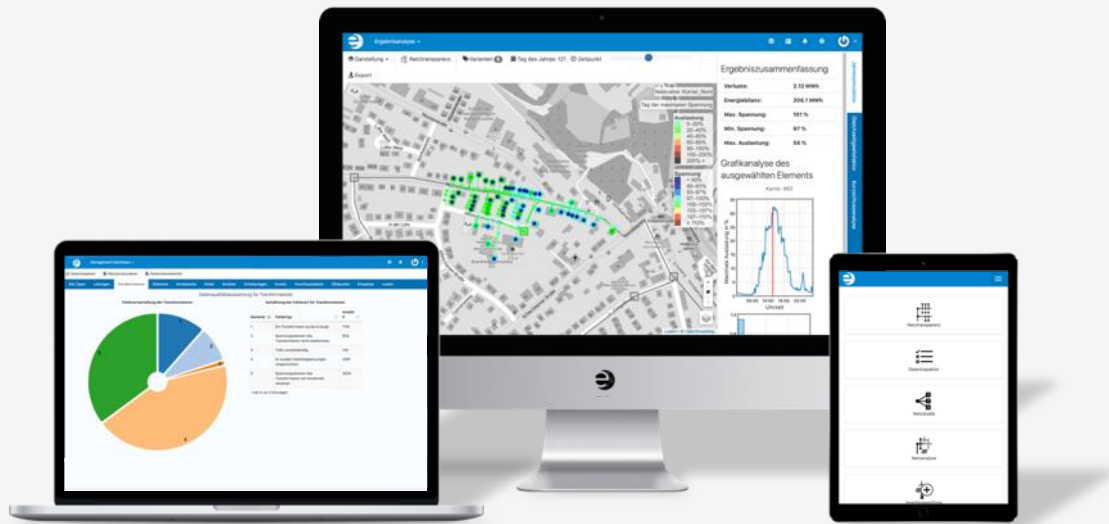
Main Apps	Grid Data Inspector Connection Request
Grid Area	220 Primary substations 23.000 MV/LV stations 1,4 mio. grid customers

- Customer self-service for new grid connections on website
- Fully digital process integration in grid planning department
- **Initial pilot project converted into full roll-out for entire grid**



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For questions and further information please contact us:



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