

ETREL

INCH  
DUO

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LAYING GROUNDS  
FOR A LASTING  
E-MOBILITY

# ELECTRIC CARS ARE NOT ECO-FRIENDLY\*

\*by themselves. They could however contribute enormously to the grid efficiency. This is where we step in. Instead of seeing them as a problem, we see them as a solution for the energy grid.

## Interactive charging technology

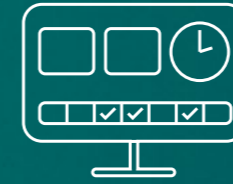
Etrek charging equipment runs on an interactive charging platform. Interactive charging technology maintains a balance between vehicle, building and grid demands.

Within the platform, a set of guiding principles enabled by artificial intelligence and system communication capabilities offer the fastest eco-friendly charging in given circumstances without grid connection point overloads.

## Interactive charging layers

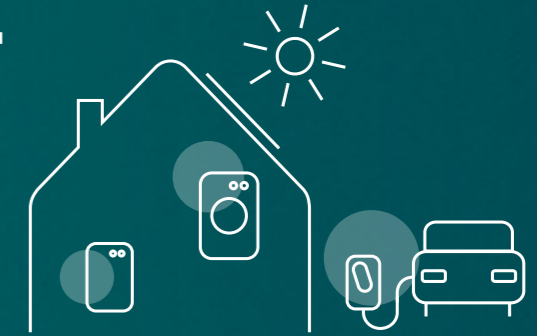
1

INTERACTION WITH THE USER



2

INTERACTION WITH THE BUILDING



3

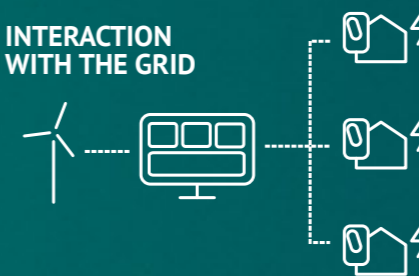
INTERACTION WITH OTHER CHARGING STATIONS



Learn more about interactive charging and our effort to make e-mobility great on [www.etrck.com](http://www.etrck.com)

4

INTERACTION WITH THE GRID



5

INTERACTION ON A GLOBAL SCALE

Join us on a mission to create a sustainable future where EV batteries become an essential part of smart grid infrastructure.



# INCH DUO



## Distinctly different.

INCH Duo is a durable charger, ready for continuous operation in demanding public locations. Ergonomic design and a large display with straightforward charging instructions combined with ad-hoc payment option offer convenience for new users. Optional integration with external sensor devices like parking sensors help enhance infrastructure accessibility and optimise usage patterns.

Multi level load balancing capabilities with cluster connectivity, ensure fair distribution of charging power among plugged-in vehicles while respecting the grid connection point limitations.

- Contactless credit card payment and straightforward user interface deliver simplified charging experience.
- Dynamic power management in clusters contributes to the scalability of charging infrastructure, lowering the initial investment.
- Easy installation with a wide-angle door opening and modular components shorten the field time and simplify maintenance.

## USE CASES

	Home	Apartment buildings	Commercial buildings	Hospitality	Car Parks	Municipalities
INCH Duo						

Max charging power	2 x 22 kW (3 x 32 A per connector) adjustable
	2 x Type 2 socket with cable lock
Level of protection	IP 54, IK 10
Electrical protection	*RCD type A + DC fault current sensors 6 mA or RCD Type B or RCD Type B+, MCB char. C, 40 A*
User identification	PIN code, RFID, app*, SMS*
Direct payment	Yes, with NFC payment terminal
Communication	Ethernet, Wi-Fi, 4G LTE
EV communication	IEC 61851 supported, IEC 15118 ready
Connectivity	OCPP 1.6 JSON, OCPP 2.0 JSON (upcoming), Modbus TCP
Load balancing	Yes, static and dynamic load balancing with Load Guard
Clustering	Yes, with floating master
Energy meter	Class 1 MID energy meter
Smart building integration	Yes, Modbus TCP supported
User interface	App* or embedded web interface
Material	*Stainless steel with anti-corrosion protection and polycarbonate display cover*
Colour options	White and black, or grey and black

\* when connected with a back-end system

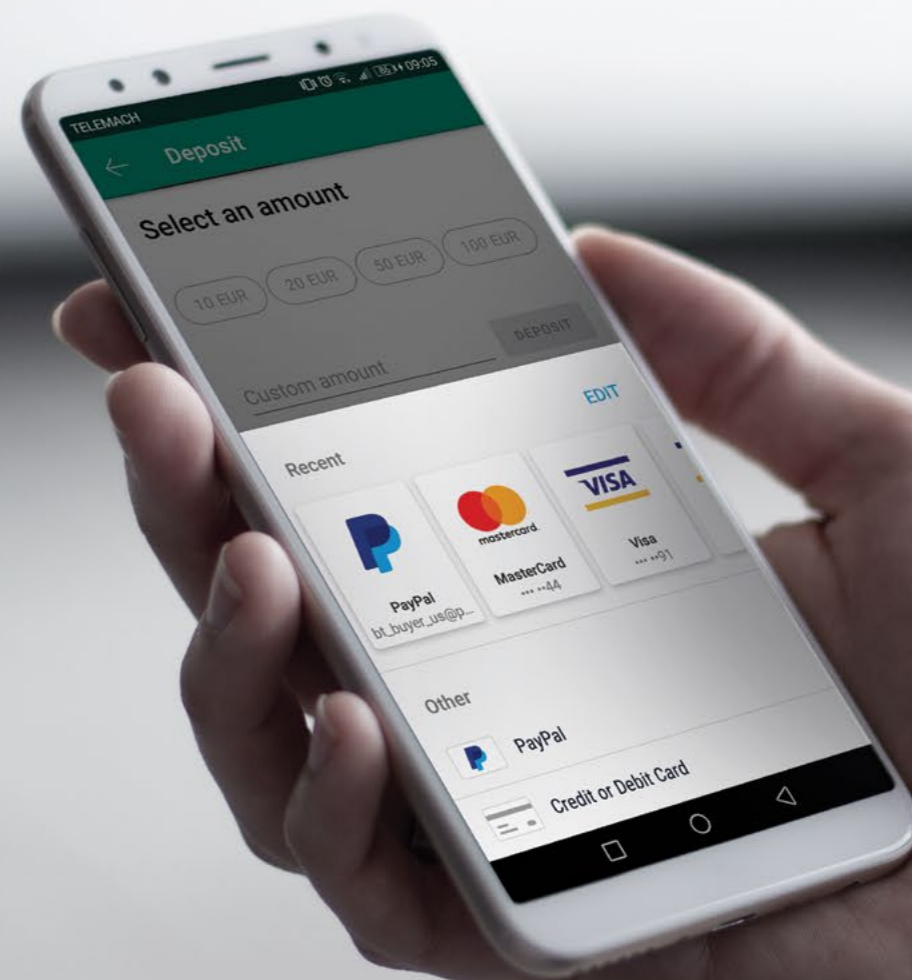


# INCH DUO



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EVSE number  
SI-5482394



*ETREL provides building blocks for a diverse range of e-mobility ecosystems. INCH interactive charging stations combined with OCEAN charging management software, can serve as a backbone of any e-mobility business.*

# 40+

## **Countries**

Etrel solutions are in use in more than 40 countries all over the world.



Scan the code and visit [www.etrel.com](http://www.etrel.com) to learn more about our company.



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