

ETREL

INCH
PRO

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.

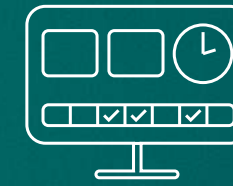
Interactive charging technology

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

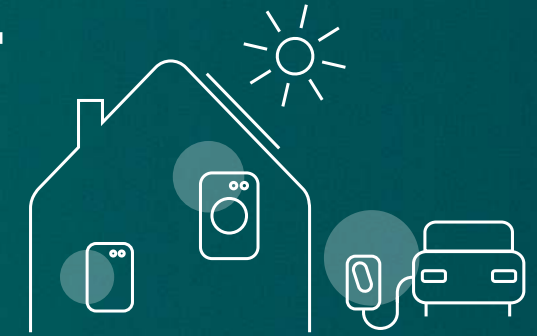
Within the platform, a set of guiding principles enabled by artificial intelligence and system communication capabilities offer the fastest eco-friendly charging in given circumstances without grid connection point overloads.

Interactive charging layers

1 INTERACTION WITH THE USER

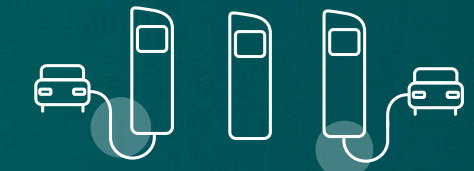


2 INTERACTION WITH THE BUILDING

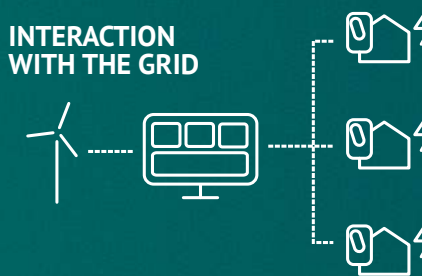


Learn more about interactive charging and our effort to make e-mobility great on www.etrak.com

3 INTERACTION WITH OTHER CHARGING STATIONS



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 PRO



Communicates with the user and listens to the environment.

Etrell INCH PRO chargers are designed to work with two priorities in mind - to enable the best user experience and to reduce the cost of system operation.

When connected in a cluster, charging power can be distributed intelligently among all connected chargers based on EV characteristics, set priorities and required amounts of energy, with Load Guard, cluster power adjusts to other consumers in the local grid.

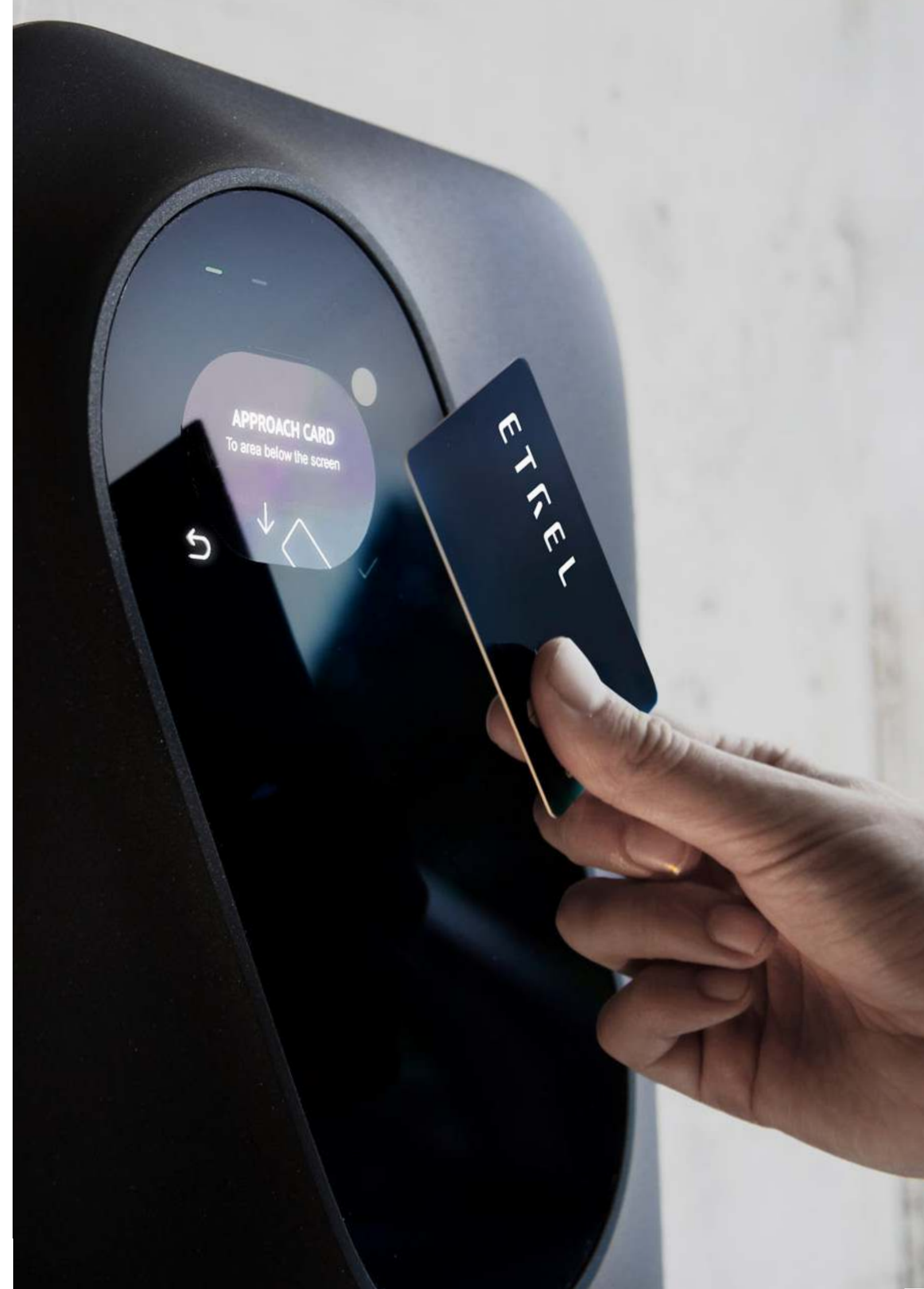
- Artificial Intelligence aided charging profiles simplify use and offer more autonomous operation for operator's peace of mind.
- Sturdy design, with shatterproof acrylic glass plate secured in a cast aluminium housing, grants durability and longer operation life.
- "Mix & Match" cluster option allows a combination of different INCH chargers in a single cluster enhancing flexibility on complex locations with a combination of use cases.

USE CASES

	Home	Apartment buildings	Commercial buildings	Hospitality	Car Parks	Municipalities
INCH Pro		●	●	●	●	●

Max charging power	7,4 kW (1 x 32 A), 22 kW (3 x 32 A) adjustable
Level of protection	"Type 2 socket (optional shutter) with cable lock Type 2 tethered charging cable"
Electrical protection	IP 56 (model with cable IP 65), IK 10
User identification	DC fault current sensor 6 mA + RCD type A or RCD Type A EV or RCD Type B or MCB char. C
Communication	Ethernet, Wi-Fi, 4G LTE
EV communication	OCPP 1.6 SOAP & JSON, IEC 61851 supported, IEC 15118 ready
Connectivity	OCPP 1.6 SOAP & JSON, OCPP 2.0 JSON (upcoming), Modbus TCP
Load balancing	Yes, Dynamic Load Balancing with Load Guard
Clustering	Yes, with floating master
Energy meter	Class 2 energy meter, MID optional
Smart building integration	Yes, Modbus TCP supported
User interface	App* or embedded web interface
Material	Aluminium housing, Polycarbonate Lexan cover plate
Colour options	White, Graphite Grey

* when connected with a back-end system



INCH PRO



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

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



Scan the code and visit www.etrrel.com to learn more about our company.



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