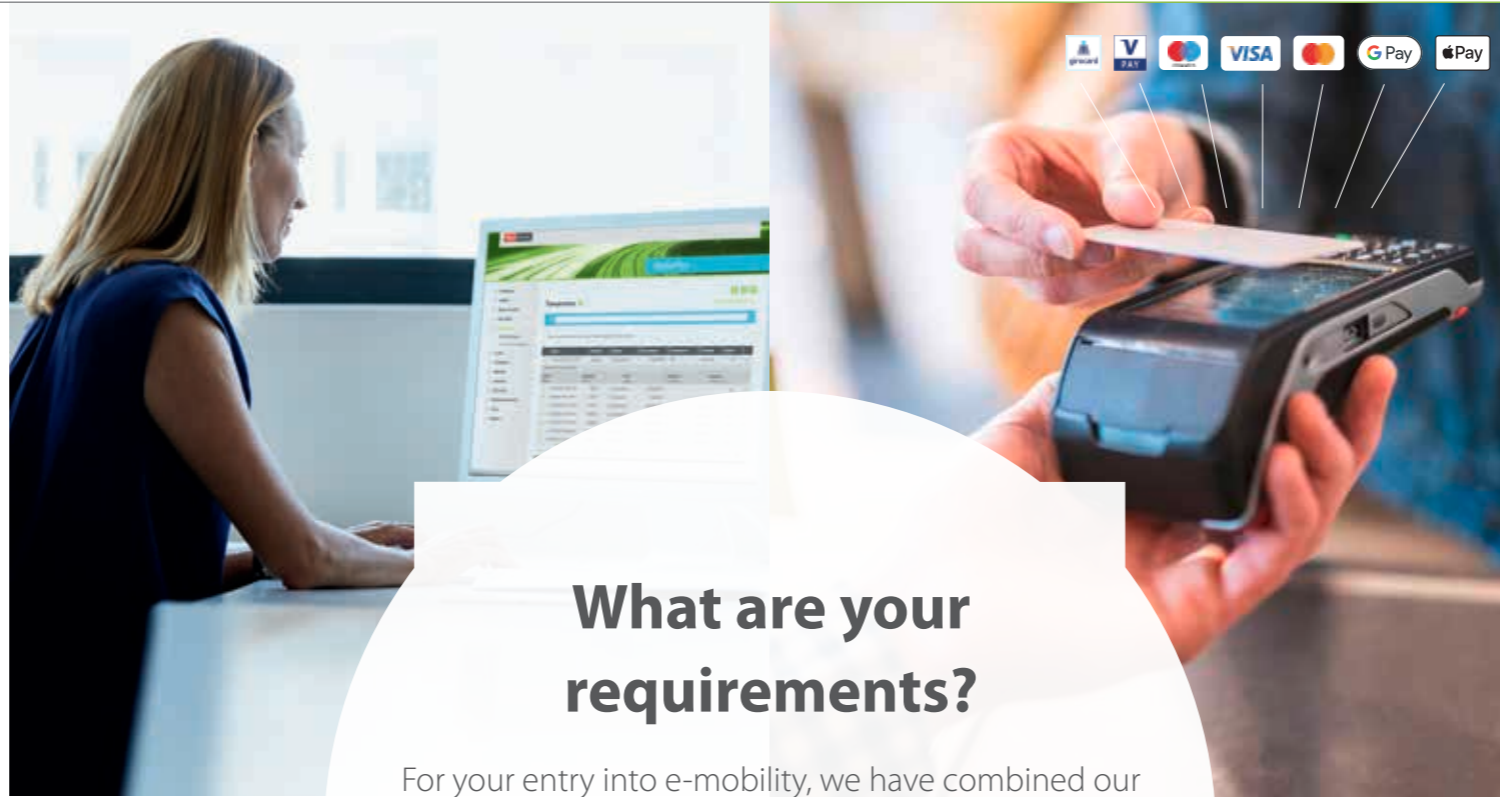**Hectronic**

MANAGE | AUTHORIZE & PAY | INTEGRATE

Ready for E-Mobility

We offer future-proof payment and authorization solutions which can be integrated into your filling station or used to expand your charging infrastructure.

MANAGE

Our new cloud solution HecCharge allows you to manage, interconnect and control your charging infrastructure. HecCharge can be used independently of charging point manufacturers and payment service providers. As an open system for third parties, HecCharge can be connected to existing backend management systems via an open standard API.

PAY

With HecNet you enable two things: secure online pament processing and secure credit card routing.

As a background service, HecNet controls and secures the payment flow between the parties involved (card payer's bank, acquirer and data centre).

What are your requirements?

For your entry into e-mobility, we have combined our experience from the areas of refuelling and parking to enable barrier-free payment and authorization. Both can be flexibly combined and individually adapted to your requirements.

**The future begins now.
Don't hesitate to contact us!**

AUTHORIZE, PAY & INTEGRATE

HecPay facilitates centralized payment at a publicly accessible charging infrastructure with a large number of charging points.

HecTron, on the other hand, focuses on employee car parks and filling stations (public & company) and enables both the authorization and payment process at many charging points.

With eReady, you integrate charging stations into your existing filling station infrastructure.
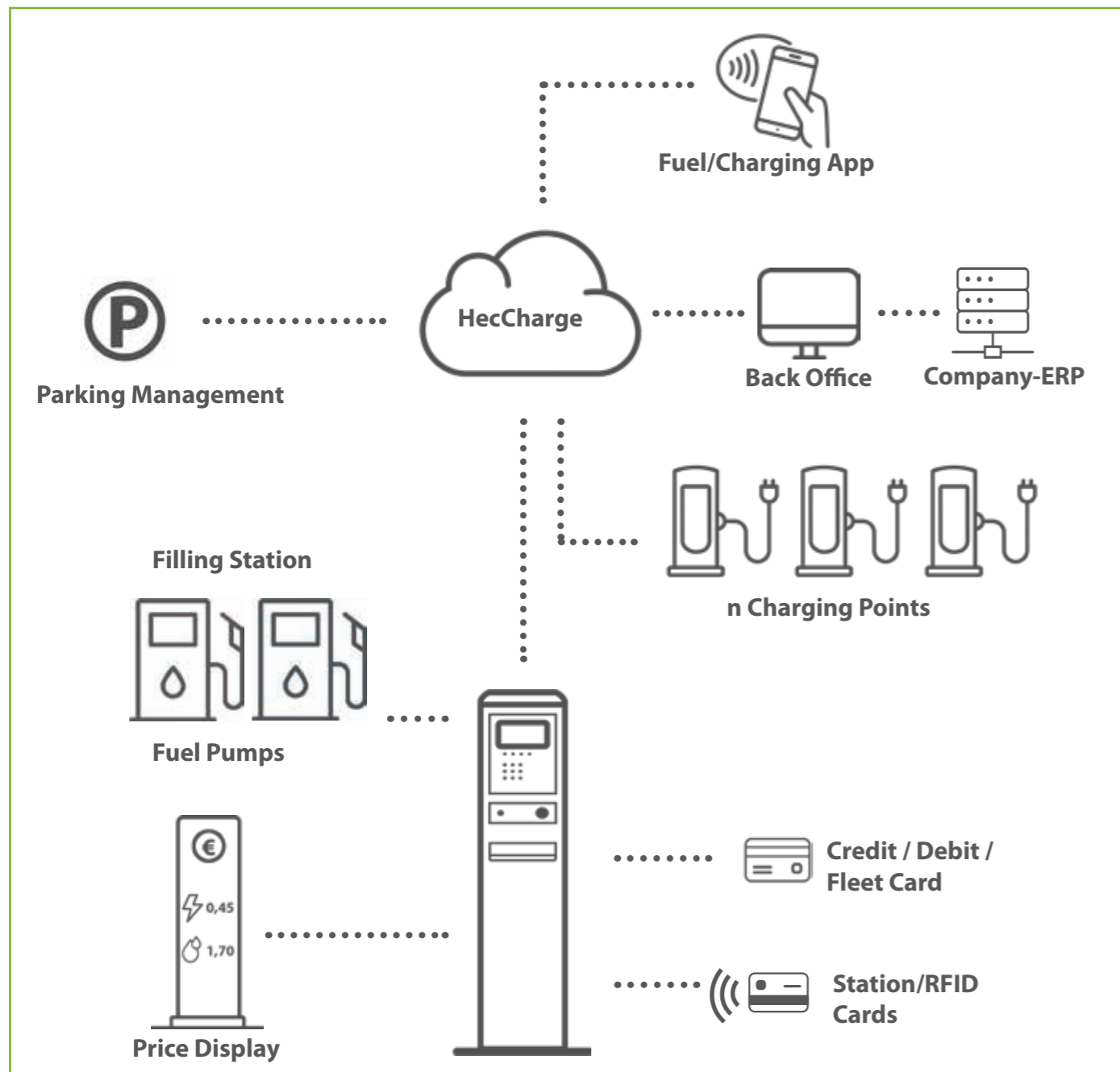
PAY / AUTHORIZE

New modules make easy2fuel your mobile payment platform of the future.

We offer operators and card issuers powerful solutions for the fast and reliable handling of the mobile payment and authorization process.

Solution Architecture for the E-Mobility Sector.

HecCharge's cloud-based solution serves as the cornerstone of our solution architecture, facilitating the seamless integration of management systems (e. g. parking management) with data sourced from charging infrastructures and filling stations. This information is then transmitted directly to the respective back office solution or ERP system. HecCharge is also responsible for overseeing the authorization and payment of charging processes, including the verification of payment receipts and activation of charging points.

Data from payment or authorization cards and tags is transmitted to the cloud via the terminal's pin pad and subsequently verified. Upon receiving a positive response, HecCharge activates the charging stations directly. In the event that payment is made via a charging or refueling app, the terminal is authenticated and released directly via the HecCharge cloud.

Fuel/Charging App

HecCharge

Parking Management

Back Office **Company-ERP**

Filling Station

n Charging Points

Fuel Pumps

Credit / Debit / Fleet Card

Station/RFID Cards

Price Display

Solutions Overview:

- ⊘ Terminals
  HecPay & HecTron

- ⊘ Backend Solution HecCharge

- ⊘ Network Operation HecNet

- ⊘ Mobile Payment &
  Authorization System
  easy2fuel

Further information on the solution architecture: www.hectronic.com

Your Benefits

✔ Management of the charging infrastructure (station, charging points & user management)

✔ Modular design

✔ Access around the clock – via tablet, smartphone and notebook

✔ Open for third-party systems

✔ Certifications for all common industry standards & cloud solutions (e. g. ISO-27001)

Our Cloud Solution for Your Backend Management and Beyond!

Scope of application

HecCharge is our new cloud-based and modular solution that makes our services available anywhere, anytime.

Each charging point is connected to the platform and can be managed and controlled remotely. HecCharge provides an overview of the existing charging infra-structure and displays all relevant data on a dashboard.

As a backend management system, HecCharge is used for the communication between charging station operators, roaming platforms and our terminals. Further-more, HecCharge can also be connected to other backend management systems at any time via an open API.

Modules/Packages

- 3rd-Party Payment (functions necessary for the connection of third parties)
- Base (basic functions)
- Premium (extensive functions)

Our cloud solution is compatible with:

Authorization and Payment Terminal HecTron: Solution for employers and filling stations (public and company), see **Pages 8/9**

Payment Terminal HecPay: Payment solution for public charging, see **Pages 10/11**

HecTron – Authorization and Payment Terminal for E-Mobility.

Your Benefits

✓ One central terminal reduces costs considerably

✓ Numerous charging points can be activated per terminal

✓ Pin pad „PIN-on-Glass" with integrated card and contactless reader

✓ Secure payment of the charging process in in compliance with the German calibration law

✓ Various identification and authorization options plus card acceptances

✓ Barrier-free payment process in accordance with the German Charging Station Ordinance

✓ Standard connection via OCPP

✓ Compact and cost-efficient wall-housing solution
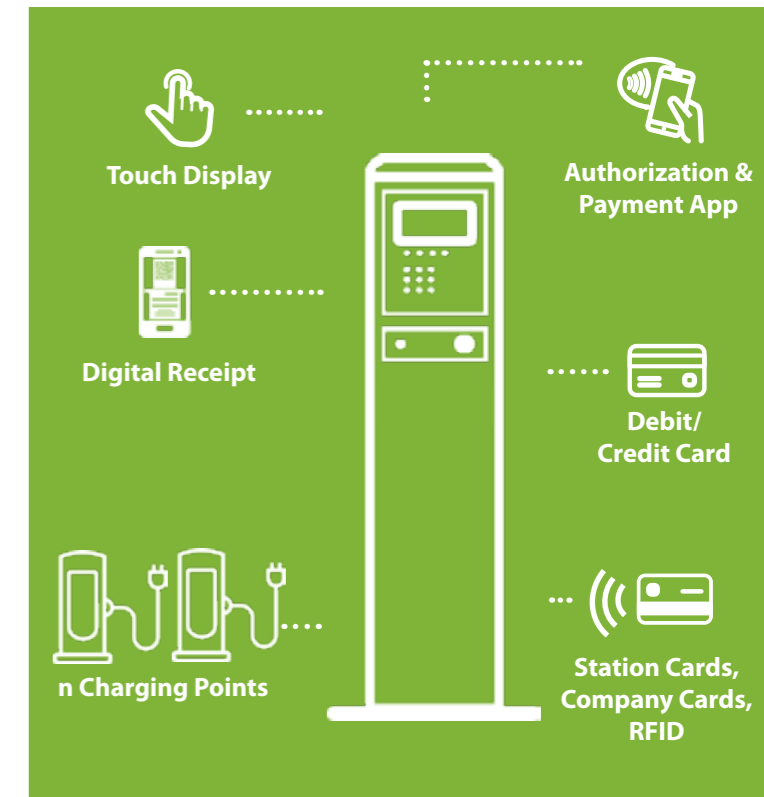
Scope of application

There are many applications for the HecTron, including **company car parks, company filling stations** and **public filling stations.**

One terminal provides a central solution for payment, authorization and control of numerous charging points. This gives you maximum flexibility in operating and expanding your infrastructure.

Individualization through flexible modules

For maximum flexibility, the HecTron has a wide range of customization options.

- 6.5" TFT display (stand-alone housing) and graphic display with robust PIEZO keyboard (wall-housing)
- Credit & debit cards
- Stand-alone & wall-housing
- Station cards, company ID cards, RFID
- Authorization or payment app
- Digital receipt
- For n charging points

Touch Display

Digital Receipt

n Charging Points

Authorization & Payment App

Debit/ Credit Card

Station Cards, Company Cards, RFID

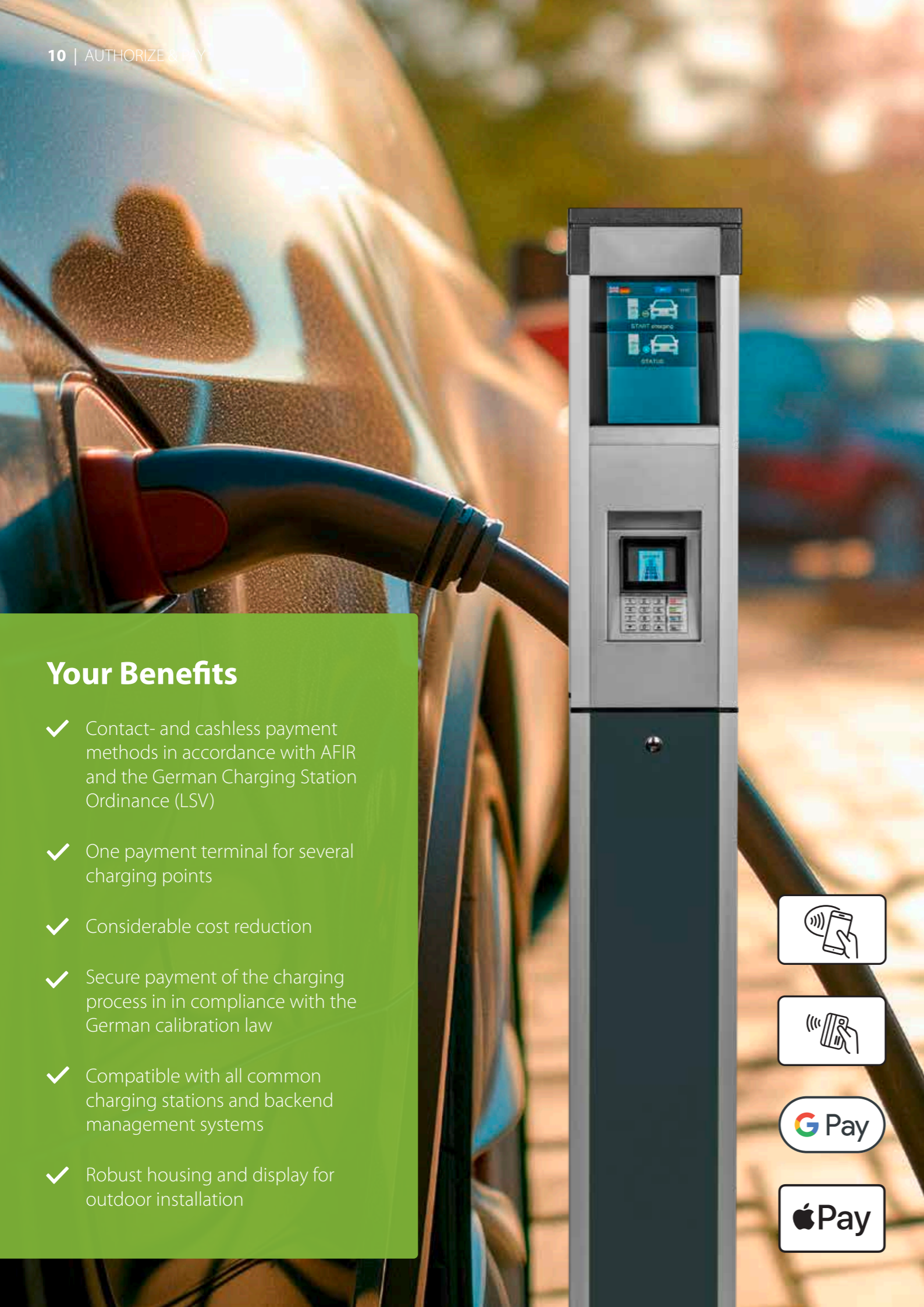## HecTron is compatible with:

Cloud Solution HecCharge:
Backend management system used to operate the charging process,
see **Page 6/7**

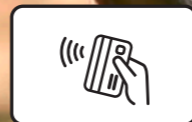**Mobile Payment & Authorization System easy2fuel,**
Accelerate the charging process,
see **Page 16/17**

Your Benefits

✓ Contact- and cashless payment methods in accordance with AFIR and the German Charging Station Ordinance (LSV)

✓ One payment terminal for several charging points

✓ Considerable cost reduction

✓ Secure payment of the charging process in in compliance with the German calibration law

✓ Compatible with all common charging stations and backend management systems

✓ Robust housing and display for outdoor installation

HecPay – Authorize Numerous Charging Points without Barriers.
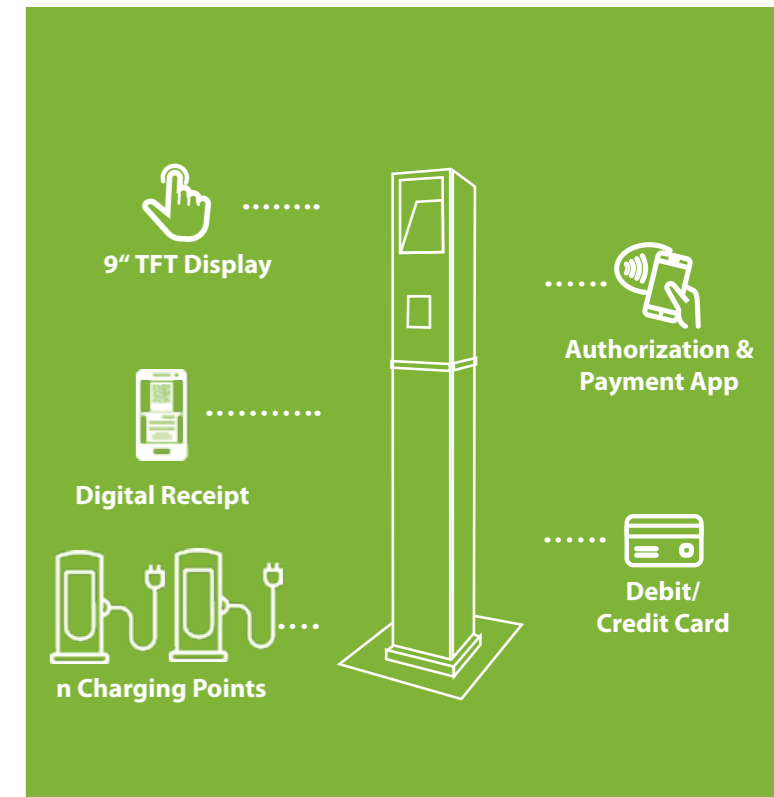
Scope of application

Public charging (customer car parks, on-street charging, urban charging and charging parks on traffic axes) is where HecPay excels.

The terminal offers a central payment solution for numerous charging points. It enables a barrier-free payment process in accordance with the German Charging Station Ordinance (LSV). With HecPay, you can efficiently update your charging infrastructure – regardless of the backend management system and charging station type you use.

Individualization through flexible modules

The HecPay has a wide range of customization options and thus the greatest possible flexibility.

- 9" TFT display
- Credit & debit cards
- Mobile Payment & Authorization System easy2fuel
- Digital receipt
- For n charging points

9" TFT Display

Digital Receipt

n Charging Points

Authorization & Payment App

Debit/ Credit Card

HecPay is compatible with:

Cloud Solution HecCharge: Backend management system used to manage the charging process, see **Page 6/7**

Mobile Payment & Authorization System easy2fuel, Accelerate the charging process, see **Page 16/17**

Further information on the Payment Terminal HecPay: www.hectronic.com/hecpay

eReady

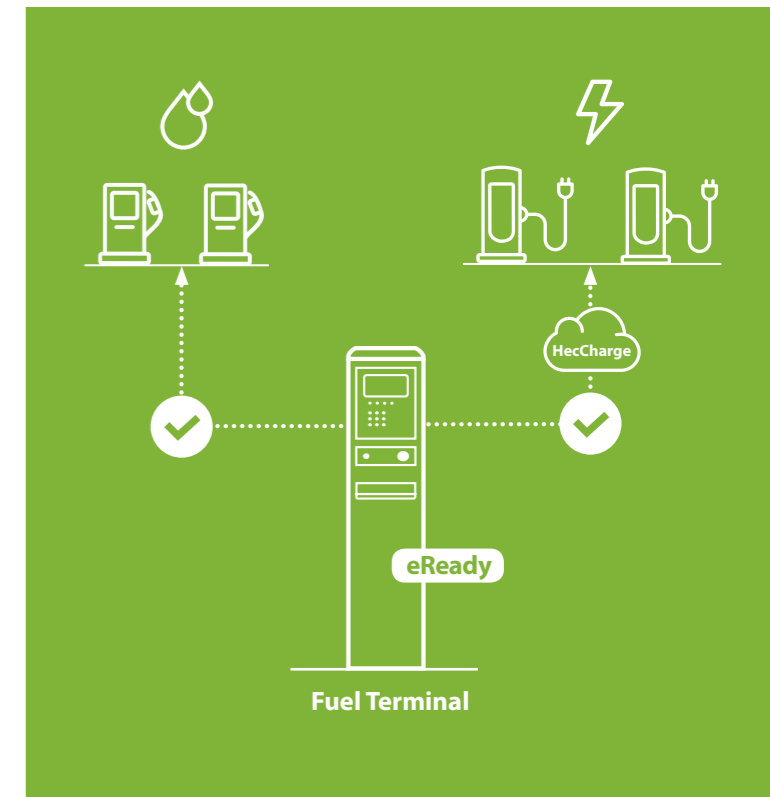# Software Update eReady – Energize your Fuel Terminals.

Scope of application

Starting out with e-mobility and integrating charging stations into your filling station infrastructure is made easier by eReady.

With eReady activated, you allow your fuel terminals to take over the payment and authorization process for both refuelling and charging stations.

Simplified: With eReady, electricity becomes just another fuel that you offer at your filling station. It uses the Open Charge Point Protocol to ensure that the authorization process at charging stations is handled correctly.

By offering all-in-one solutions, we focus on a standard system and the simple expansion of the existing infrastructure. This way, we can operate fuel pumps and charging stations in mixed mode with very little investment!

HecCharge

eReady

Fuel Terminal

Your Benefits

✓ Start with a very small investment into e-mobility

✓ Simply expand the existing filling station structure

✓ Authorize fuel pumps and charging stations using the same terminal

✓ Communication via OCPP 1.6

✓ Comprehensive after-sales service: support hotline, employee training and repair centre

eReady is making your filling stations fit for e-mobility:

The eReady software update can be installed to make existing **HecVision, HecFleet and HecStar** fit for e-mobility.

Brochure Public Filling Stations: Fuel terminal HecStar

Brochure Company and Fleet Filling Stations: Fuel terminal HecFleet & Heconomy

Further information on eReady:
www.hectronic.com/eready

Your Benefits

✓ Provision of a network connection for card settlement of purchasing charges

✓ Processing of online payments (girocard) and routing of debit and credit card payments

✓ Withdrawal of invoice amounts from the card payer and crediting to the retailer

✓ Creation of turnover files and settlement of charges

✓ Our portfolio is rounded off by HecNet – all charging services from a single source!

HecNet – Safe Online PSP Services and Credit Card Routing.

Scope of application

HecNet handles the central administration of your payment and authorization terminal and controls the processing procedures at your charging station or fuel terminals.
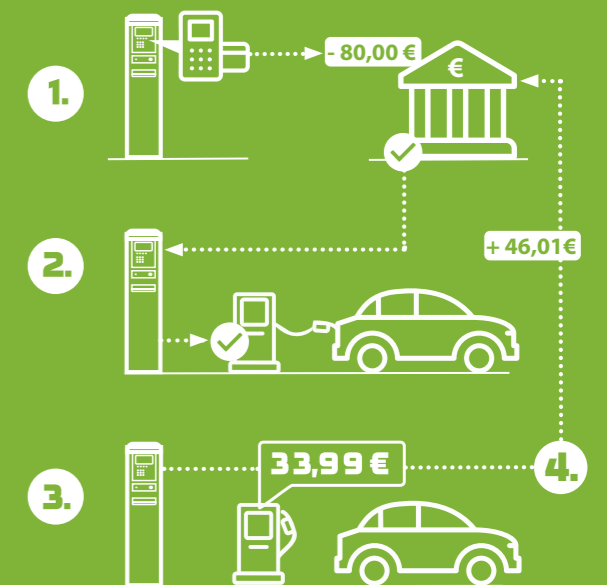
As a general solution for card settlement, the HecNet network operation ensures communication between payment terminals and the parties involved in the payment process (bank, acquirer and computer centre).

This means that all common cashless payment methods can be accepted.

Payment processes in e-mobility

- Reservation of a predefined amount on the account (amount flexibly adjustable)
- Charging until the reserved amount is reached or automatic cancellation of the difference if charging ends before the maximum amount is reached
- Correct invoicing of the charging process

Functional principle at the charging point

1. – 80,00 €

2. + 46,01 €

3. 33,99 € 4.

Please note the country-specific availability of HecNet.

HecNet is compatible with the solutions:

Authorization- and Payment Terminal HecTron: Simple and secure payment and authorization procedures processes, see **Page 8/9**

Payment Terminal HecPay: Barrier-free payment - one terminal handles the payment process at many charging points, see **Page 10/11**

Mobile Payment & Authorization System easy2fuel, Accelerate the charging process, see **Page 16/17**

Further information on network operation HecNet: www.hectronic.com/hecnet

easy2fuel –
Mobile Payment & Authorization System.

Your Benefits

✓ Mobile payment and authorization options for charging and credit & debit cards

✓ Simple, fast and contactless – directly at the charging station

✓ Integration of external providers to expand the possible customer base

✓ Modular adaptable to your needs

✓ Also available as white label app

✓ Connection to the roaming platforms of the charging point providers (e.g. smartlab & Hubject)

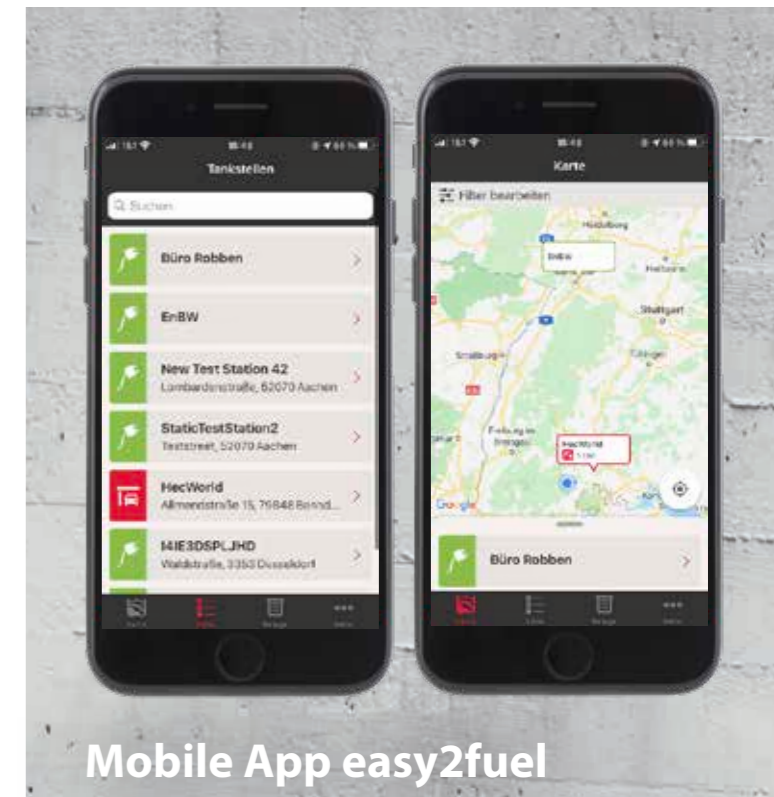Available on the
App Store

GET IT ON
Google Play

Scope of application

As part of our existing mobile payment platform, the easy2fuel app can be individually adapted to your design as a white-label app. By using our app, we also enable digital fleet cards to access the charging infrastructure.

Individualization through flexible modules

The modules and functions can be combined individually. Pay only for what you want to use.

- **Module „Customer Design"**
  Customized app
- **Module „M-Commerce"**
  Debit and credit card processing
- **Module „News"**
  News and push notifications
- **Module „Third Party"**
  Access to further mobile payment providers
- **Module „Whitelist Import"**
  Automatic import of standard formats
- **Module „App-Pricing"**
  Configuration of individual prices for selected app clients

Mobile App easy2fuel

The Mobile Payment & Authorization System easy2fuel is compatible with:

Authorization- and Payment Terminal HecTron: Simple and secure payment and authorization procedures processes, see **Page 8/9**

Payment Terminal HecPay: Barrier-free payment - one terminal handles the payment process at many charging points, see **Page 10/11**

Network Operation HecNet
Secure online PSP services and credit card routing, see **Page 14/15**

Further information on easy2fuel:
www.hectronic.com/easy2fuel

With us,
you are in focus!

MADE IN **DE**

WE HELP!

50 YEARS

We take care of your special requirements – fast, flexible and individual. Our sales partners provide support at eye level and find the optimum solution together with you.

Your Satisfaction is our Goal

Competent, comprehensive, at eye level and in your vicinity – together with you we set up your perfectly attuned filling station management or extend your existing system.

Our solutions from the areas MANAGE, AUTHORIZE & PAY and INTEGRATE, cover the whole spectrum and can be flexibly and individually combined, integrated and scaled.

Our smart software solutions complement the proven hardware components and open up new possibilities with respect to economic efficiency and user-friendliness.

As a reliable partner we stand for solutions with added value. We invest into the development of new and practicable systems you can rely on – your satisfaction is our goal. For over 50 years, solutions from Hectronic have been a synonym for quality. We are striving to keep it that way!

Security and Reliability

We commit ourselves to be your helpful contact partner – at any time, on site at your location, before and after sales.

We support you worldwide with competent advice and through our reliable support hotlines. An international service and distribution network with over 70 partners provides you with absolute security and reliability – always in your vicinity.

Our repair centre is specialised in repairs, guarantee and warranty claims and their prompt processing.

Trainings by Hectronic qualify your staff to make full use of and apply the potential of Hectronic's technology.

Typical applications of our e-mobility solutions:

- **Company parking spaces**
- **Company and public filling stations**
- **Charging parks**
- **Customer parking spaces**

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