



charge. fast. anywhere.

All your electric vehicle ever needs



Dietmar Niederl

13 years of automotive development experience

CEO, CTO

Professional Experience:

- Founder of **DiniTech** (2012)
Managing Director / Head of Development
NRGkick E-Car charging systems
Renewable energy, grid services
- 2011-2014 **AVL List GmbH, Graz, Austria**
Lead Engineer – Electric Battery Systems
Team leader electric design of automotive li-ion batteries
electric design, system integration, safety concepts
- 2005-2011 **Magna e-car, Graz Austria**
Module group leader HV-Battery electric system
Concepts, Battery Prototypes, full serial production developments
Testing and Validation for Serial production programs, Planning of Serial production start, supplier management,
- 2003-2005 **Magna Steyr, Graz Austria**
technician for whole car Prototype build up; Vehicle body – mechanic and electric

Projects:

- NRGkick and ongoing development
- Advanced charging technology development
- Several Serial-development programs in Li-Ion battery pack systems
- projects for vehicle OEMs and cell manufacturers
from prototype to serial production.

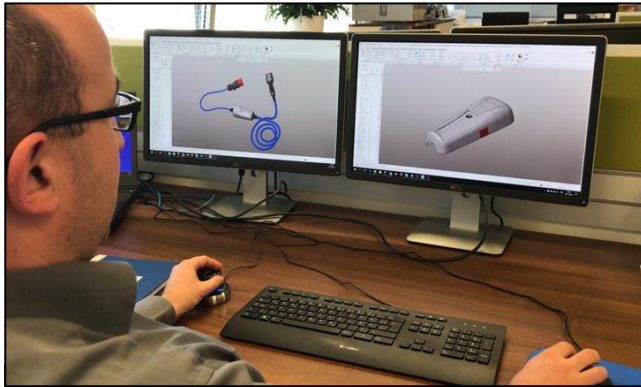


- Offices for engineering, sales, marketing ...,
- Several different engineering labs
- Production area for charging products for high volume production
- ISO 9001 certified
- Building already finished

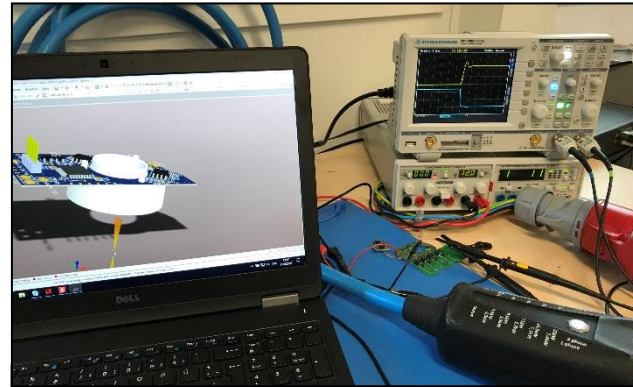
Located in Austria



Production monitored by VDE and ÖVE



Modern 3D-Design



Electronic-Engineering



Software-Engineering



Testing-Validation



Production



Sales & Marketing



NRGkick

Product overview

At home



Installed Wallbox

- + fixed Montage
- costs
- Only at home
- Wallsocket always occupied

On the road



Public Station

- + DC charging
- + public
- High costs
- High investment

@home & @on the road



Mobile charging Station

For all Wallsockets

- + mobile
- + small & compact
- + Wallsocket open for other devices
- + no or minimum installation
- + attachments for all wallsockets
- + settings of power (A)
- + Safety features



NRGkick – Mode 2 charging unit

- ✓ **Safest** & most innovative unit – for all electric vehicles, up to 22 kW
- ✓ Simple design for large-volume serial production
- ✓ Optically and haptically appealing (partly soft surfaces)
- ✓ Smallest dimensions
- ✓ Easy to use and user friendly
- ✓ Flexible usage – no installation necessary
- ✓ Charging on every socket and charging station possible
- ✓ Bluetooth and WiFi always included
- ✓ Optional: SIM/GSM (EDGE, GPRS, 4G M1, 4G NB-IoT) & GPS
- ✓ Energy meter
- ✓ Free smartphone app
- ✓ Displays energy and charging costs & charging reports
- ✓ Quality product from Austria





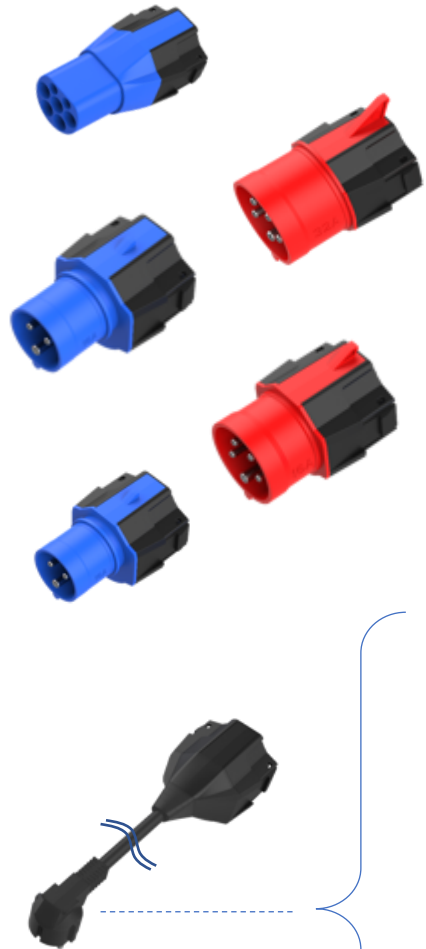
High level safety connector system
Steckersystem

Connector Unit
Steckereinheit

Smart Attachment
Steckeraufsatz



NRGkick Smart Attachments are the only solution on the market that prevents 1-phase and 3-phase sockets from overheating in case of contact resistance!

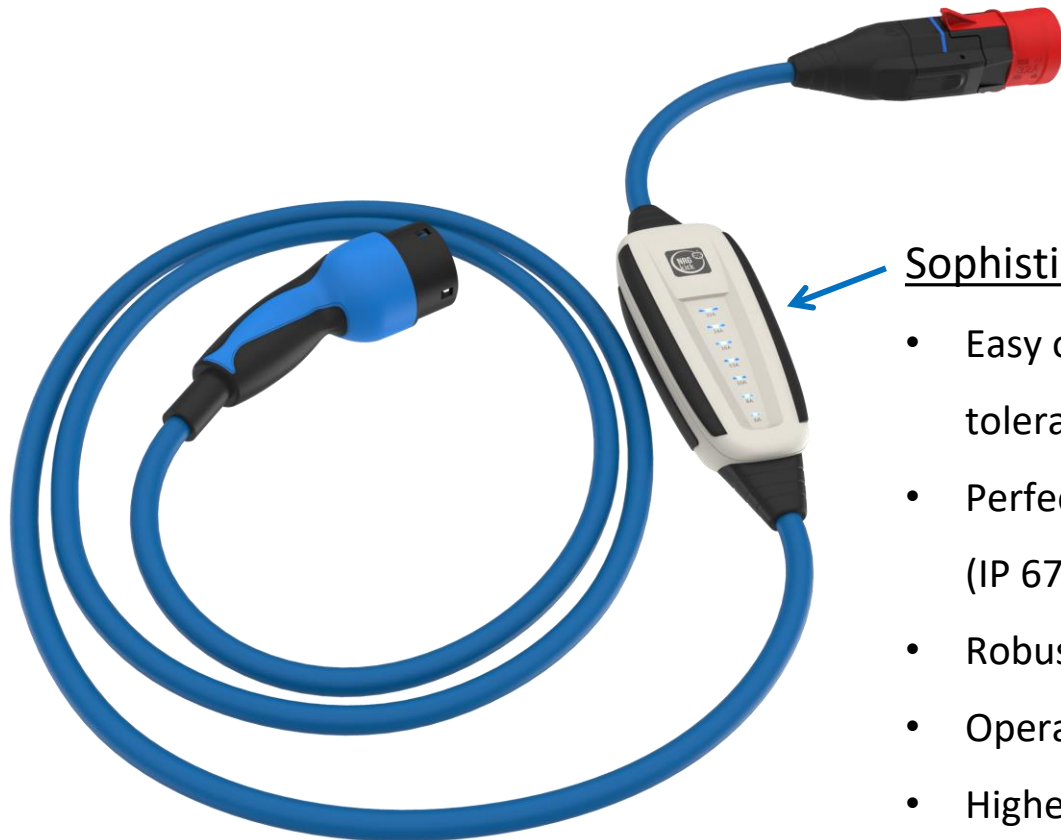


Steckeraufsatz Typ 2 Smart Attachment Type 2
Steckeraufsatz CEE32 3p Smart Attachment CEE32 3p
Steckeraufsatz CEE32 1p Smart Attachment CEE32 1p
Steckeraufsatz CEE 16 3p Smart Attachment CEE 16 3p
Steckeraufsatz CEE 16 1p Smart Attachment CEE 16 1p
Steckeraufsatz CEE7/7 TYP E+F Smart Attachment CEE7/7 TYPE E+F
Steckeraufsatz Typ J (T12/T13) Smart Attachment Type J (T12/T13)
Steckeraufsatz Typ G Smart Attachment Type G
Steckeraufsatz Typ L 10A Smart Attachment Type L 10A <i>...and many more available!</i>

Advantages:

- Highest safety level on the market
- Intelligent authentication
- Proprietary system
- **Crucial: Temperature monitoring/control on all Attachments and each phase pin**
- **Crucial: Hot-unplug protection no unplugging under load - with unplug control system**
- No damage from incorrectly wired sockets
- All country versions with different current settings easily possible
- High mating cycles with CEE plug and plug attachment
- Mode3 charging integrated
- Status display in the plug-in system
- Modern design and haptic optimized with partly soft surface
- Developed for high volume production
- Very robust design
- And lot more features!





Sophisticated design

- Easy operation due to water tolerant touch surface
- Perfect sealing, no buttons (IP 67)
- Robust design (drive-over proof)
- Operating temperature -40/+70 °C
- Higher lifetime
- Acoustic feedback

Safety advantages

- Safest charging unit on the market
- Temperature monitoring & thermal management
- Blackout protection
- Overvoltage protection
- Undervoltage protection
- Autonomous load management
- Tamper protection
- PE conductor test
- Updateable - Future-proof
- VDE & ÖVE certified, CE compliant



NRGkick

Sicherheits-Steckersystem

Für jedes Elektroauto (Typ 2)

1-/2-/3-phasig, bis zu 22 kW

Verschiedene Kabellängen

5m, 7,5m oder 10m

Leicht & handlich

Besonders leicht für einfachen Transport

Plug and Play

Intuitive Bedienung, Einstecken und Losladen

Intelligent

Zugriff auf alle Informationen mit NRGkick App

Extrem robust

Überfahrsticher, Wasser-/Staubdicht (IP67)

Einfach & schnell

NRGkick lädt alle E-Autos mit Typ 2 Schnittstelle mit der maximal möglichen AC-Ladegeschwindigkeit (bis zu 22 kW). Er ist sofort an jeder Standardsteckdose und demnächst mittels des optional verfügbaren Typ 2 Steckeraufsatzes auch an öffentlichen Ladesäulen einsetzbar - ohne aufwändige Installation.

Sicher

NRGkick bietet noch nie dagewesene Sicherheitsfunktionen. Das patentierte Sicherheits-Steckersystem des NRGkick beispielsweise sorgt dafür, dass gefährliche Lichtbögen ausgeschlossen werden und bietet Temperaturüberwachung für jeden Steckeraufsatz und an jedem einzelnen Phasenpin – bei Schuko Steckeraufsätzen an beiden Pins.

Innovativ

NRGkick ist eine der innovativsten Ladeeinheiten überhaupt! Dank seiner WLAN und Bluetooth-Technologie ermöglicht die kostenfreie NRGkick App und die NRGkick Cloud sofortigen Zugriff – von überall aus. Mittels NRGkick App können automatische Ladeberichte, zeitgesteuertes Laden, Energielimits und vieles mehr definiert werden. Und dank der Konnektivität ist NRGkick jederzeit update- und upgradefähig!

Steckeraufsatz 32A 5Pol

3-phasig | max. 22 kW



Steckeraufsatz 32A 3Pol

1-phasig | max. 7,4 kW



Steckeraufsatz 16A 5Pol

3-phasig | max. 11 kW



Steckeraufsatz 16A 3Pol

1-phasig | max. 3,7 kW



Steckeraufsatz Typ 2

3-phasig | max. 22 kW
Verfügbar ab Mitte 2022



Steckeraufsatz Schuko

1-phasig | max. 13 A
weitere Varianten erhältlich



NRGkick 32A Standard

Alles, was dein E-Auto zum Laden braucht.

- inkl. Steckeraufsatz 32A 5Pol
- max. 22 kW Ladeleistung
- Verfügbare Varianten: 5m, 7,5m oder 10m
- Sofort einsetzbar – plug and play
- Sicherste Ladeeinheit am Markt
- Staub- und wasserdicht (IP67)
- Temperaturüberwachung an jeder Steckdose
- Abzieherkennung
- WLAN & Bluetooth inkludiert
- Kostenfreie NRGkick App



NRGkick KfW Max

Bestehend aus

- NRGkick Ladeeinheit 32A, NRGkick Wandsteckdose 32A und Schutzverriegelung
- Verhindert unerwünschte Mitnahme der Ladeeinheit
- Max. 22 kW Ladeleistung

NRGkick KfW Select

Bestehend aus

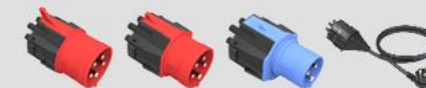
- NRGkick Ladeeinheit 32A, NRGkick Wandsteckdose 16A und Schutzverriegelung
- Verhindert unerwünschte Mitnahme der Ladeeinheit
- Max. 22 kW Ladeleistung (11 kW bei Wandsteckdose 16A)



NRGkick 32A Set Optimal

Set bestehend aus

- NRGkick 32A Standard inkl. CEE32 5Pol
- Enthält zusätzlich Steckeraufsatz CEE16 Pol, CEE 16 3Pol, Typ E+F „Schuko“ und Transporttasche
- max. 22 kW Ladeleistung
- Verfügbare Varianten: 5m, 7,5m, 10m
- Enthält alle Features und Funktionen des NRGkick



GSM/GPS/SIM optional für alle NRGkick Ladeeinheiten

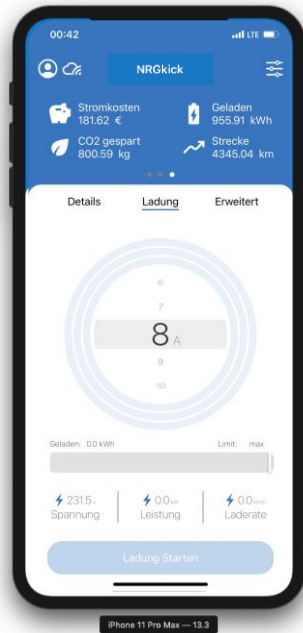
Eine Vielzahl an Schnittstellen ermöglicht die Verbindung zu NRGkick jederzeit und überall. Über WLAN, Bluetooth oder der NRGkick Cloud hast du immer Zugriff auf NRGkick, aber auch über die offene API kann NRGkick gesteuert werden. Noch flexibler ist man mit der optionalen GSM/GPS/SIM Variante: Falls kein WLAN zur Verfügung steht, kannst du dich mittels optionaler GSM/GPS/SIM Schnittstelle verbinden und NRGkick auch so steuern. Die Verbindung erfolgt hier über EDGE, GPRS sowie 4G M1 und 4G NB-IoT und ist damit für die Anforderungen des Internet of Things gerüstet.



confidential



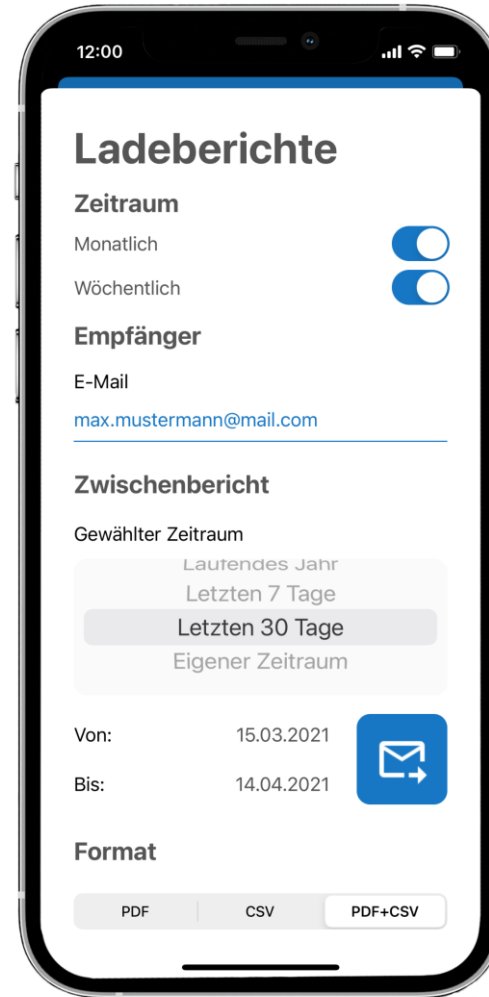
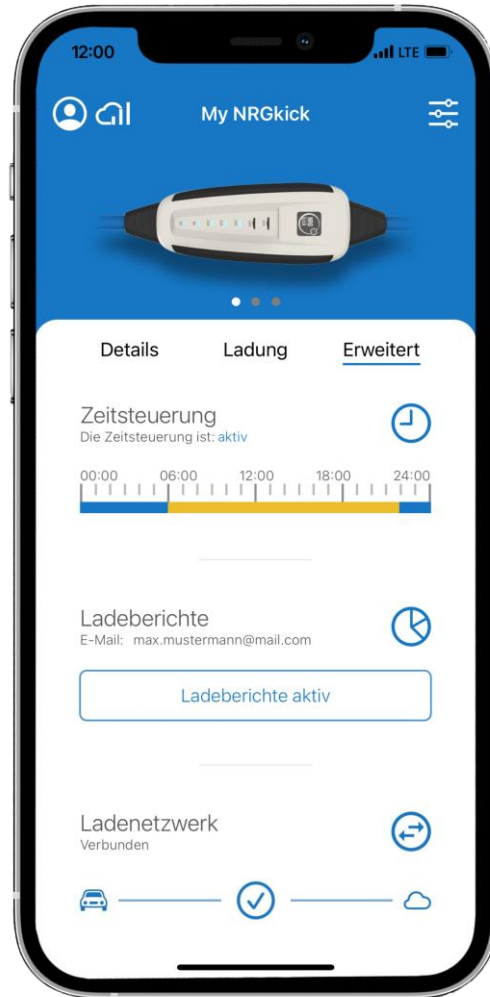
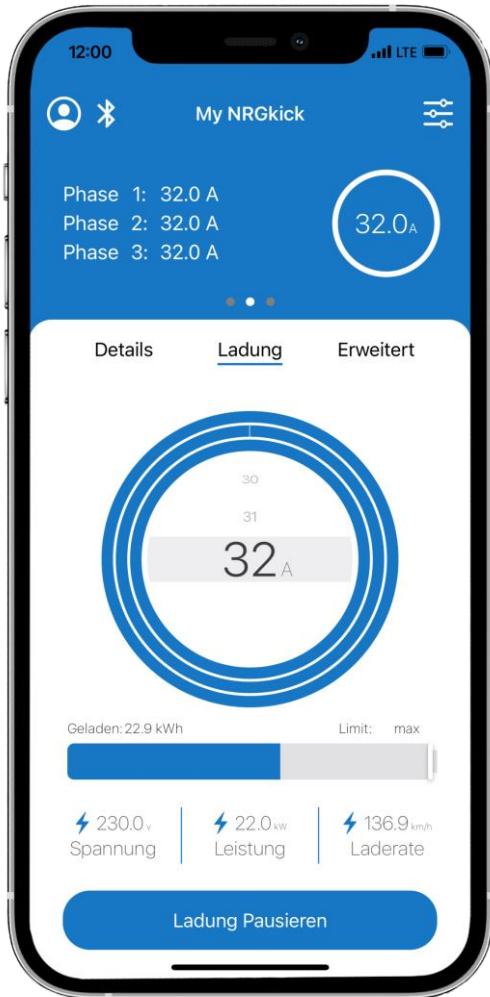
NRGkick is future-proof and offers a wealth of smart features



- Bluetooth and WiFi included
- Free NRGkick App
- Optional: SIM/GSM (EDGE, GPRS, 4G M1, 4G NB-IoT) + GPS
- Energy meters included
- Access to NRGkick Cloud and Web API
- Time controlled charging included
- Automatic, configurable charging reports
- OTA Updates

Optional features/upgrades already available or coming soon:

- OCPP 1.6 (already available)
- Fleet management
- Additional load balancing / charge management options
- Photovoltaic-led charging
- And much more...



The **safest** charging unit on the market

Absolutely temperature resistant (-40 to +70 °C)



Hot-unplug-protection with arc protection



Automatic self-test



Blackout protection



Theft-proof



Dual domestic plug overheating protection



Wrongly wired socket protection



Residual current protection included
(AC, DC + 6 mA)



High quality EV charging cable



Charging in ground conductor free grids



Tamper protection



Frequency diagnosis



Phase shift detection



Patented safety connector system



Switching contact diagnosis



Protective conductor test



Socket overheating protection



Shock & impact resistant (IK10)



Temperature monitoring of all smart attachments



Thermo-Protect temperature management



Undervoltage protection



Drive-over proof



Overvoltage protection



Water- & dustproof (IP67)



VDE and ÖVE certified, CE compliant




























Certified and supervised manufacturing facility



Absolutely smart



- Acoustic feedback 
- Display of charging costs 
- Display CO2 savings and charging range 
- Automatic charging reports 
- Autonomous load management 
- Bluetooth & WiFi (optional GSM) 
- Definable charge timer 
- Detailed charging statistics 
- Adjustable amount of charging energy 
- Energy meter 
- Haptic vibration feedback 
- Configurable notifications 
- Free NRGkick app 

-  Charge reports with GPS coordinates
-  Grid supportive charging
-  Access to NRGkick cloud
-  Locally assignable charging reports via WiFi
-  Location functions via GNSS (GPS)
-  Updateable (OTA) and future-proof
-  Web API interface
-  Time controlled charging with charging plans
- Upgradeable intelligent functions, such as:**
-  Charging networks - ready for billing (OCPP)
-  Coming soon: Photovoltaic-led charging
-  Coming soon: Advanced load management
-  Coming soon: Fleet management



charge. fast. anywhere.

✓ Robust and safe

✓ Smart features

✓ Highest quality