



Mobility

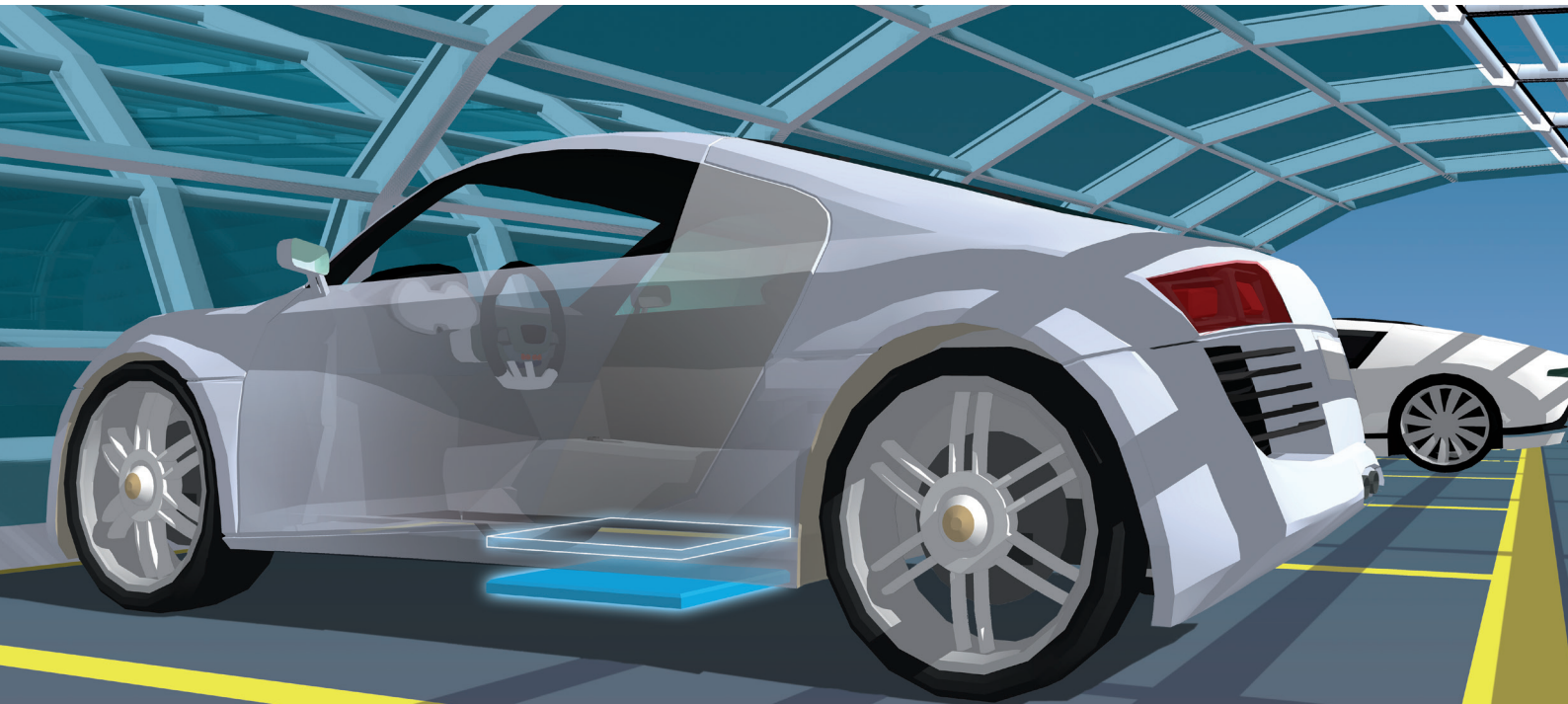


Energy



Environment

The Future is Wireless



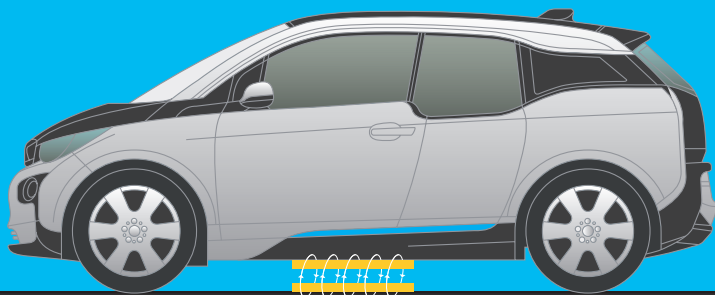
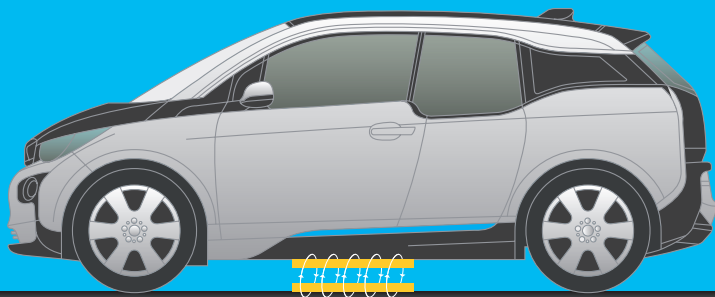
INTIS inductive energy transfer systems

System Attribute	Example Features*
Charging power	Up to 50 kW per module 100 kW+ with multiple modules
Efficiency	above 90% ¹
Vehicle side DC Voltage	48 V ... 80 V ... 800 V
Air gap	Up to 20 cm
Coil type	Proprietary, or to IEC-/ ISO or SAE specification (as required)
Frequency	20 - 90 kHz
Safety and assistance systems	detection of living- and foreign objects, positioning assistance, pairing, alignment check and many more
Communications with road infrastructure	868 MHz Near-Field, WLAN ISO 15118 or customer specific
Conformity	Private industrial or commercial locations (public locations as standardisation progresses)
Vehicle Integration	Retrofitting possible - via CCS, CHAdeMO or directly with vehicle BMS
Infrastructure Integration	Can be integrated with battery storage and renewable energy generation

* dependant on systems layout and requirements

¹ measured from the 3-phase grid connection to the DC intermediate circuit on the vehicle

TECHNICAL INFORMATION



Application example: multistorey car-parking

○ *Simple and automated*

○ *Cable free*

○ *Safe and reliable*



Powerful solutions for stationary wireless charging

Whether your inductive charging system is to be to the specification of a standard, or you wish to set all parameters yourself, INTIS will adapt and optimise its inductive charging technology to the requirements of your particular application. With our deep involvement in and knowledge of the current standardisation discussion, we can provide consultation on standard conformity as

well as verification and validation testing services. Our technology holds pace with the state of standardisation and will be conform on the day of publishing.

We have the ability to rapidly and effectively complete development cycles due to the systems integration expertise of our highly experienced engineers, coupled with INTIS' own extensive prototyping and testing facilities.

INTIS Lathen

INTIS GmbH
Hermann-Kemper-Str. 23
49762 Lathen
GERMANY
Tel. +49 (0)5933 62 45
Fax +49 (0)5933 62 20

info@intis.de
www.intis.de



The Future is Wireless