ENABLING WIRELESS CONNECTIVITY

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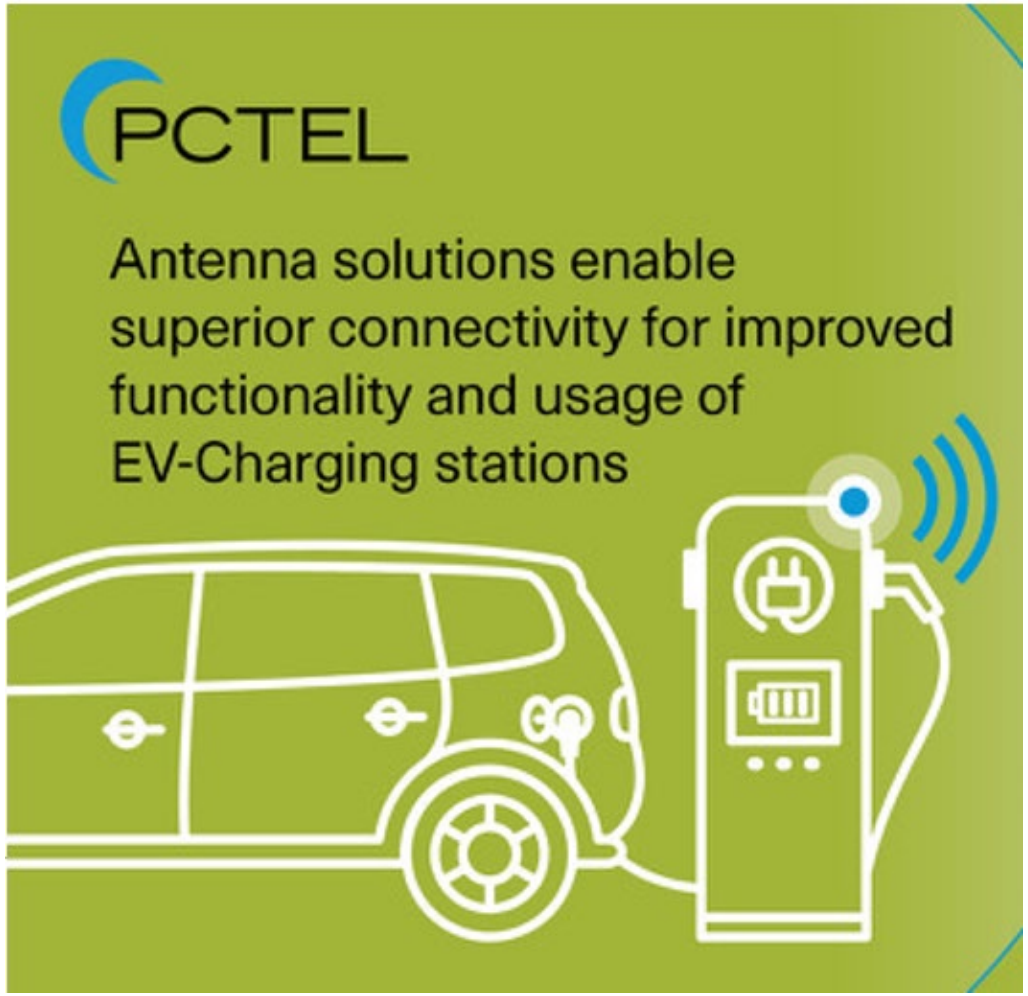
EVSE – Why Connectivity



Billing: # active sessions, control energy usage, billing, B2C connectivity

Remote Monitoring: diagnostics and troubleshooting (Reduce service visits)

Rich Cloud Platform: software updates, reporting, change control

Statistics: devices and users management, RFID tags and scheduling

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EVSE – Why PCTEL

EVSE Product Line Ready!

EVSE – Why PCTEL
Proven Experience

Currently providing EV Charging antennas to 4 of the largest EVSE OEMS Globally

Millions of antennas shipped, no returns!

Reliable Supplier: customers demands 24/7/365 remote monitoring and diagnostics, receiving updates over-the-air to support every new EV on the road

Smarteq & PCTEL combined experience and global footprint

Case Study : GARO

Challenges

- Reliability – if connectivity is lost, business is lost
- Applications that require up-time: Find available charging stations and plan your trip, start and stop charging, payments, booking of charging poles, schedule charging, alerts etc.

Solution

- Smartdisc consealed below of top section on cabinet

Features

- Rugged low-profile antenna
- Durable mechanical design
- Cellular & WiFi
- High RF Performance
- IP6K9K class
- Available colors , Black, White, Grey

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Antenna selection Guide

Antenna	Radio system	Features	Mounting	Metal cabinet	Plastic cabinet	Level 1 and 2	Level 3 and 4	Data sheet
AllDisc-S	LTE 5G NB-IoT LTE-CatM	• 5G ready • High radiation gain/efficiency • Very robust • IP6K9K • On metal	Hole mounted Wall mounted with bracket	**X**		**(X)**	**X**	
MLPV	LTE 5G NB-IoT LTE-CatM	• 5G ready • High radiation gain/efficiency • Very robust • IP6K9K • On metal	Hole mounted	**X**			**X**	
SmartBlade MiniBlade	LTE 5G NB-IoT LTE-CatM	• 5G ready • Could be mounted inside the EV-charger on plastic • Easy to install • Tamper free	Adhesive mount Concealed		**X**			
LP701	LTE NB-IoT LTE-CatM	• Low profile • Vandal proof • On metal • On non-conducting material • Patented technology	2 screws	**X**	**X**	**X**	**(X)**	
LP702	LTE NB-IoT LTE-CatM	• Low profile • Vandal prood • On metal • On non-conducting material • Patented technology	Center screw Ø19mm	**X**	**X**	**X**	**(X)**	
SmartDisc	LTE NB-IoT LTE-CatM	• Very robust • Low profile • On metal • On non-conducting material	Hole mounted Wall mounted with bracket	**X**	**X**	**X**	**X**	

LP70x
LTE, NB-IoT, LTE-CATM

Features

- Discreet and durable
- Cellular 2G / 3G / 4G
- 698-960 / 1710-2690MHz
- Can be mounted on metal and non-conductive surfaces
- Class leading RF performance, patented technology
- LP701 mounting by 2 screws
- LP702 center screw mounting with a nut
- IP65
- Available colors , Black, Grey

Mattias Hellgren

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SmartBlade

Adhesive mounted antenna for LTE / 5G / NB-IoT

Features

- Slim and flexible
- Cellular: 2G / 3G / 4G / 5G
- Cellular: 698-960 / 1710-2690MHz and 3400-3800MHz
- Dimension: 114 x 24 x 4.4 (incl. adhesive)
- Available colors , Black (std), Grey
- Flexible over moulded by Dryflex

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MiniBlade

WIFI / 5G 2400-71250MHz

Features

- Small and flexible UWB antenna WiFi / BT / 5G
- 2400-7125MHz
- Dimension: 57x 24 x 6.6 (incl. adhesive)
- Available colors , Black (std), Grey
- Flexible over moulded by Dryflex

Applications

- WiFi6E
- EV-charging
- Smart metering
- CBRS @ 3.5GHz

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Thank You!

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