TEST eDrive

1st eDrive – 9.45:10.45
2nd eDrive – 11.00:12.00
3rd eDrive – 12.15:13.15
4th eDrive – 14.00:15.00
5th eDrive – 15.15:16.30

Each turn, 2 groups of max 5 people. It consists of 1 fast-charging service (5 minutes) & 1 test drive (10 minutes of driving)

For booking please, send e-mail to
diego.iannuzzi@unina.it

UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II

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DIETI UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II
DIPARTIMENTO DI INGEGNERIA ELETTRICA E TECNOLOGIE DELL'INFORMAZIONE

kWnGO

A&C Motors
La tua concessionaria dal 1962

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PORSCHE

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Project
Electric-Ultra-Fast Charging Station (E-UFCS)

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University of Federico II of Naples
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Master Course of
Hybrid and Electrical Vehicles

Prof. Santolo Meo
Coordinatore Corso di Laurea in Ingegneria Elettrica
University of Federico II of Naples
Dept. of Electrical Engineering

TEST eDrive

Audi

PORSCHE

For Electrical Engineering Students

16th -17th June

Hybrid and Full Electric Vehicles

Audi A3 Sportback Plug-in Hybrid

- **Power train: Hybrid Vehicle**
- Power : 150 kW (110 Turbo ICE + 40 electric motor)
- Max Acceleration up to 100 km/h: 7.6 s
- Max speed : 227 km
- Electric Consumption: 15 kWh/100 km
- Electric Autonomy : 67 km (cycle WTO)
- Fuel consumption: 1.2 l/100 km
- Propultion: Brushless electric motors
- Battery Stack: 13.2 kWh Lithium ion
- Charge Power in AC

Audi-eTron Sportback 50

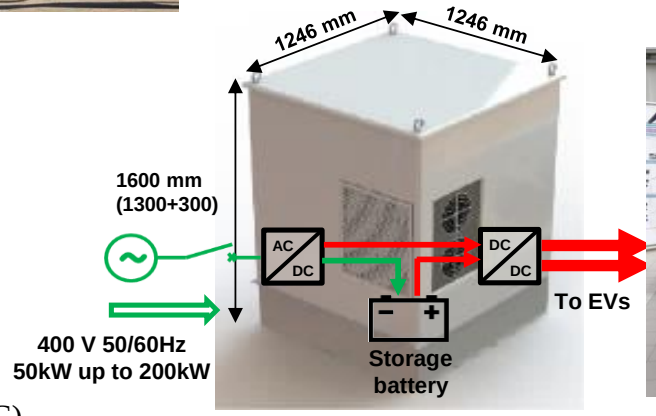
- **Power train: Full Electric Vehicle**
- Power : 230 kW
- Max Torque: 540 Nm
- Max Acceleration up to 100 km/h: 6.8s
- Max speed : 190 km
- Consumption: 21.7 kWh/100 km
- Autonomy: 340 km (cycle WTO)
- Propultion: 2 Induction electric motors (100+140 kW)
- Battery Stack: 71 kWh Lithium ion
- Rates Volatge battery: 396 Volt
- Max Charge Power: up to 120 kW in DC (5-80% SoC)
- Full Charge time : 20-30 min

Volkswagen ID4 -SuV

- **Power train: Full Electric Vehicle**
- Power : 150 kW
- Max Acceleration up to 100 km/h: 8.6s
- Max speed : 160 km
- Consumption: 17.27 kWh/100 km
- Autonomy: 520 km (cycle WTO)
- Propultion: Brushless electric motors
- Battery Stack: 77 kWh Lithium ion
- Max Charge Power: 120 kW in DC (5-80% SoC)
- Full Charge time : 20-30 min

Ultra-Fast Charging Station

- **Main features**
- Input : Public Electrical Network (50kW up to 200kW), or PV (50kW up to 200kW)
- Integrated storage battery 160kWh, to deliver large power to the Electric Vehicles: up to 320 kW
- Output current to Electric Vehicles up to 400 A
- Ambient temperature: -20 °C / +45 °C
- Low acoustic noise
- Easy access for high maintainability
- Two cars independently charged: 2x160 kW @ 400 V, 400 A



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