

A message of Valmet Automotive, service provider for automotive industry

valmet automotive

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Design, quality, success

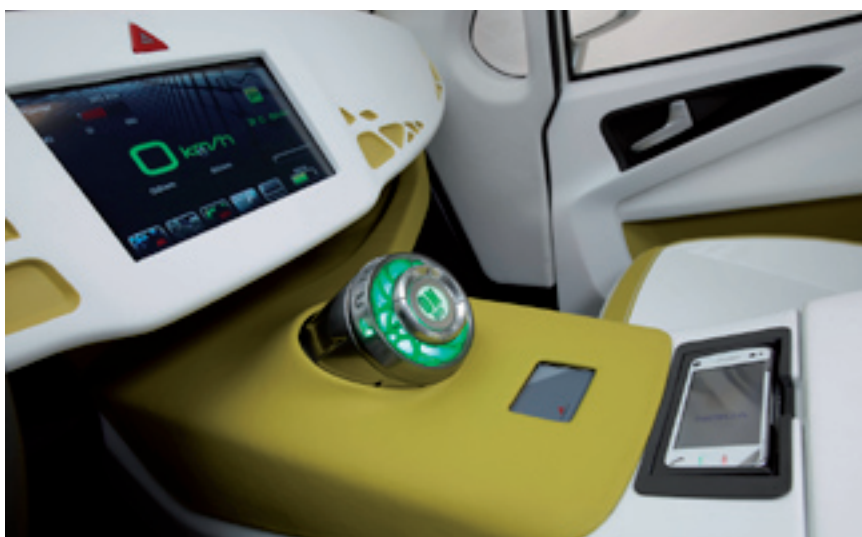
Innovative and ecological solutions for tomorrow

Electric concept vehicle



Electric concept vehicle

Valmet Automotive's concept vehicle  is a 2+2 seat electric city car with a range of up to 160 km per one charge. In engineering the vehicle, lightweight and safe body structures have been combined with innovative electric and recharging systems.



Technical specifications

Key Specifications

- Rear wheel drive
- 2 x direct drive permanent magnet synchronous motors
- 2 doors
- Intelligent information display

Dimensions:

• Length	3 800 mm
• Width	1 650 mm
• Height	1 600 mm
• Wheelbase	2 500 mm
• Tires	185/50 R 17" (concept)
• Seating capacity	2+2
• Weight	1 300 kg

Performance

• Output power (nom./max.)	40 kW/80 kW
• Output torque (nom./max.)	380 Nm/900 Nm
• Range (NEDC 80% SOC)	160 km
• Top Speed (limited)	120 km/h

Battery

• Type	Lithium-ion (Lithium Polymer, LiPo)
• Energy capacity	35,5 kWh
• Total voltage	355 V
• Charging time (80% SOC)	10h

The following partners brought their expertise to the project:

Fortum, Nokia, NAVTEQ, Vacon, Nokian Tyres, Idis Design, Cadring, AXCO-Motors, Hybria, Powerfinn, Convergens, Aalto University, Lappeenranta University of Technology, Metropolia University of Applied Sciences and RLE.