



Finanziato
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Ministero
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Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA

MOST
CENTRO NAZIONALE PER LA MOBILITÀ SOSTENIBILE

Allegato 2 – Aree tematiche per la presentazione dei Progetti

Spoke 13 – Politecnico di Milano

Il presente bando emanato dallo Spoke 13, denominato “SISTEMA DI TRAZIONE ELETTRICA E BATTERIA”, di seguito “Spoke”, è finalizzato al raggiungimento dei seguenti obiettivi:

Tematica	Interventi Ammissibili	Oggetto	Destinatari	Dotazione	costo minimo e massimo dei progetti
1	<ul style="list-style-type: none"> Validation of innovative and sustainable production methods Development of in-situ and operando characterisation protocols 	Sustainable development and characterisation of components for electrochemical energy storage systems	Università, Centri di Ricerca	€400.000	€ 100.000 – € 400.000
2	<ul style="list-style-type: none"> Development of a design methodology for permanent magnet-assisted wound rotor synchronous machines Development of a design methodology for IPM-type synchronous machines with encapsulated rotor for high speeds. Realisation of a prototype for both machine types Magnetic characterisation of both machines for control optimisation also from an efficiency point of view Bench measurements of the main electrical and mechanical quantities 	Methodologies for the design and prototype realisation of synchronous machines with high power density and reduced use of rare earth magnets for automotive applications	Università, Centri di Ricerca	€260.000	€ 100.000 – € 260.000
3	<ul style="list-style-type: none"> Development of electric mobility: drives, infrastructures, and grid interface Electromagnetic characterisation of wireless charging systems for electric vehicles Development of methodologies for parameterised modelling of electrical systems 	Dynamic Wireless Charging for Electric Vehicles on Electrified oads	Università, Centri di Ricerca	€240.000	€ 100.000 – € 240.000



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