

COMPETITIVE ADVANTAGES

- A **compact, lightweighted, and efficient** engine;
- **High level of magnetic induction.**

APPLICATIONS/MARKETS

- Replacement of all types of conventional engines.

INTELLECTUAL PROPERTY

- Patent delivered FR 2925238 & WO 200977522;
- Collaboration sought: Licenses available for motor marketing and manufacture.

LABORATORY

- GREEN Laboratory

CONTACT

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PRESENTATION

This electric motor comprises an inductor with a superconducting element integrated between the windings.

To further improve the performance of this type of electrical motor, **a new type of inductor made of superconducting material has been added, increasing the generated magnetic field.**

This induction device comprises a set of two conductive coils traversed by currents with the same direction, and a central piece along an inclined plane in between the two coils. The centerpiece is made of superconducting material, type YBaCuO or BSCCO. To cool the centerpiece, the engine also includes a cryogenic storage dewar.

