

Development of Manufacturing Technology for Ultra-Fine Intermetallic Compounds Superconducting Wire with High Flexibility and Low AC Losses (Japan Superconductivity Application Development Inc.)



○ Business Plan
JSA, in collaboration with NIMS, has successfully developed ultra-fine intermetallic compound superconducting wires such as MgB₂ that become superconducting in liquid hydrogen. These ultra-fine wires offer flexible handling similar to copper wires, and are expected to significantly improve bend strain tolerance when wound into coils, as well as greatly reduce AC losses. We will conduct research and development to enable stable production of these wires.

○ Research Outline
Non-Disclosure

City	Year of Establishment	Founder
Chigasaki-City, Kanagawa	2023	Masato OTSUBO

Partner VC	Latest round of Fundraising	Valuation
SOLIZE PARTNERS Corporation	Pre-Series A	Non-Disclosure

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Materials	STS 2025～2027FY	JPY 299 million	-

Contact Information :
e-mail : press@cho-dendo.jp

Website : <https://www.cho-dendo.jp/en>