

Demonstration of mass production for social implementation of the ASTERMOTOR drive system (ASTER Co., Ltd.)



| City | Year of Establishment | Founder |
|--------------------|-----------------------|----------------|
| Yokote city, Akita | 2010 | Takenobu HONGO |

| Partner VC | Latest round of Fundraising | Valuation |
|------------|-----------------------------|----------------|
| — | Non-Disclosure | Non-Disclosure |

Contact Information :
tel : 0182-38-8552

Website : <https://www.ast-aster.biz/>

○ Business Plan

The ASTERMOTOR drive system, which includes an ASTERMOTOR using our proprietary aluminum ASTERCOIL technology and a specially designed inverter, is an incomparably compact, lightweight, and highly efficient system that has already been installed in EVs, drones, and industrial and consumer equipment in small quantities, and we are expanding our business with domestic and overseas partners.

○ Research Outline

- We will address the following three themes.
- A. Performance improvement of high occupancy aluminum coil ASTERMOTORS
 - B. Performance improvement of controllers optimized for ASTERMOTORS
 - C. Improvement about QCD of mass production

In A and B, we will work on development to solve product needs and issues obtained from leading partners in the market for several individual markets where we aim to expand the use of ASTER motors. In C, we will work on improving QCD to enable early market launch of motor development products at low cost. By automating production and inspection and improving the versatility of processes, etc., a system will be created to achieve low-cost mass production and still be able to transfer and expand mass production technology.

| Business Area/Field | Research Period | Research Grant Amount | International collaborative technology demonstration |
|---------------------|--------------------|-----------------------|--|
| Mobility | DMP 2023～2025FY | JPY 1,011 million | — |