

Development of autonomous heavy transport robots for mixed-flow production in a human coexistence environment. (LexxPluss, Inc.)



City	Year of Establishment	Founder	Website
Kawasaki, Kanagawa	2020	Masaya Aso	https://lexxpluss.com/

Partner VC	Latest round of Fundraising	Valuation
DRONE FUND	Series A	Non-Disclosure

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○ Business Plan

While the automation of new EV factories, led by Tesla, is attracting attention, conventional factories in the manufacturing and automotive industries need to be upgraded to highly flexible production facilities that enable mixed production to meet consumer demand for EVs and other products. The goal of this project is to develop a large-scale human-collaborative autonomous transportation system that increases the flexibility of the assembly process of production facilities.

○ Research Outline

This project will improve the durability of robots, adapt to safety standards, handle heavier weights, and adapt to local 5G to meet the needs of a wider range of manufacturing plants. In addition, on the software side, we will develop manufacturing execution system (MES) connectivity and shorten implementation time.

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Energy & Infrastructure	DMP 2023~2025FY	JPY 1,925 million	Non-Disclosure

As of February, 2024