

# Realization of a low carbon society through game changing technologies

**R&D Project Title (Registered) : Silicon Lateral Power MOSFETs for Complementary Inverter**

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## Summary :

A large quantity of power devices will be used in new mobility systems such as small electric vehicles (EV) in future society. In terms of mass production, high reliability, and low cost, silicon has great advantage over wide bandgap semiconductors. In order to realize complementary inverters that will be utilized in small EV in future society, silicon-based lateral power MOSFETs with high energy efficiency will be developed.

