



Flying start control for motor with attached inertia

This flying start function was developed to start the motor with attached inertia. When this function is activated, it will search for the current actual speed of the motor and use this as the basis for activation. So, the motor doesn't start spinning from zero speed. Flying start allows forward (same direction as inertia) or reverses (opposite inertia) start. If started in the forward direction, the motor will start to rotate from the current speed until the specified rotation speed. If it is started in the reverse direction, the motor will start decelerating to zero according to the current inertia speed and then perform reverse rotation control until the specified rotation speed. Therefore, high current and high mechanical vibration will not be generated. With the maximum reduction of stress on mechanical components, the system can also operate normally.

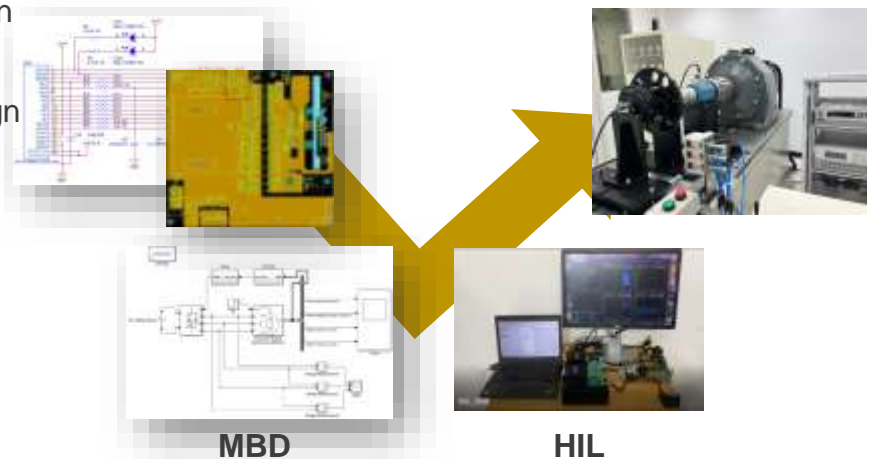
About Us

CT Green Tech. is a development company focused on hardware and software design of various electric vehicles. We are research and development in the field of advanced of motors and controllers for electric vehicles, electric e-bike, power chain, and industrial control.

Our mission is to develop for customized and provide expectation solution for customers with adequate laboratory equipment. We aim to connect and communicate partners for working in transferring knowledge and technical expertise, offering innovative, research, and education.

Application area:

- DC Motor design
- Vehicle controller design
- LEV power chain
- Soft and firmware design
- Electric scooter
- Electric bike
- Electric assisted bike



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