# Codesys integration

This page describes the **CODESYS integration** of the NLi-EtherCAT motor. The motor is integrated into a CODESYS project using the device description (ESI) file and an example project.

## ESI File

The ESI file describes the device for the CODESYS configuration. **Device Description xml for configuration**: :nli_eth:nli_eth_servo.zip

## Codesys example project

The example project shows how to set up a single axis. **Single axis project:** :nli_eth:codesys-project.zip

## How to integrate

- Import the ESI file into the CODESYS device repository. - Add the NLi-EtherCAT motor as an EtherCAT slave to the project. - Use the example project as a reference for the axis configuration. - For the PDO mapping and the mode of operation, refer to the CANopen over EtherCAT page.

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