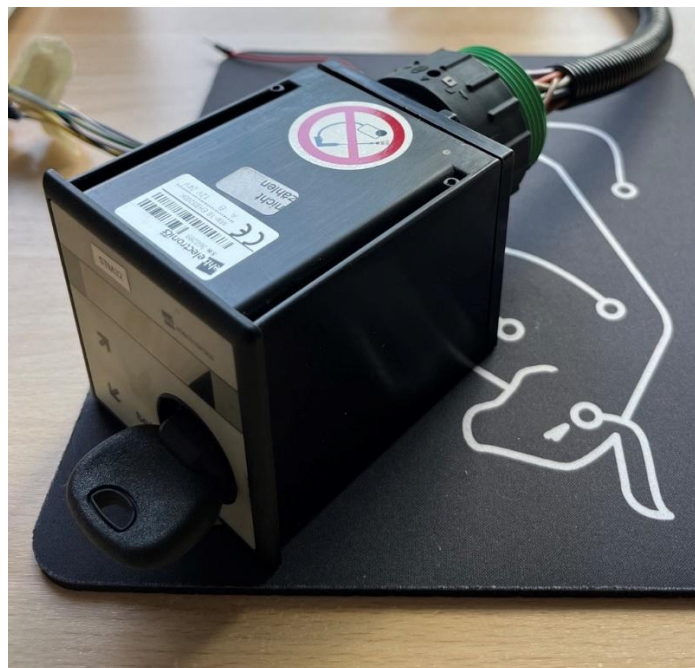


Porting of Agricultural Vehicle Engine Controller Firmware to STM32

The objective of this project was to migrate the entire engine controller firmware from an ATmega-based microcontroller to STM32, enhancing its capabilities and compatibility.

- Display tasks were transitioned from ATmega to STM32.
- CAN tasks were migrated from ATmega to STM32.
- Memory tasks were adapted for STM32 compatibility.
- IO tasks were transferred to the STM32 platform.
- Input tasks were ported to STM32.



Applications:

- Engine Controller
- Engine Monitoring

Used Technologies:

- STM32CubeIDE
- FreeRTOS