

Static Design

Application Layer (AL)

Initialization Preparing Error Monitor System Logic Emergency

Common Layer

Hardware Abstraction Layer (HAL) / External Device Drivers

Potentiometer LEDs MQTT GSM GPIO Handler UART Handler WiFi Handler

Standard Libraries

Microcontroller Abstraction Layer (MCAL) / Internal Device Drivers

Microcontroller Peripherals

ADC USART TCP/IP TIMERx GPIO