



# Motor Control Application Tuning (MCAT) Tool

## MCATSW

Last Updated: Oct 23, 2024

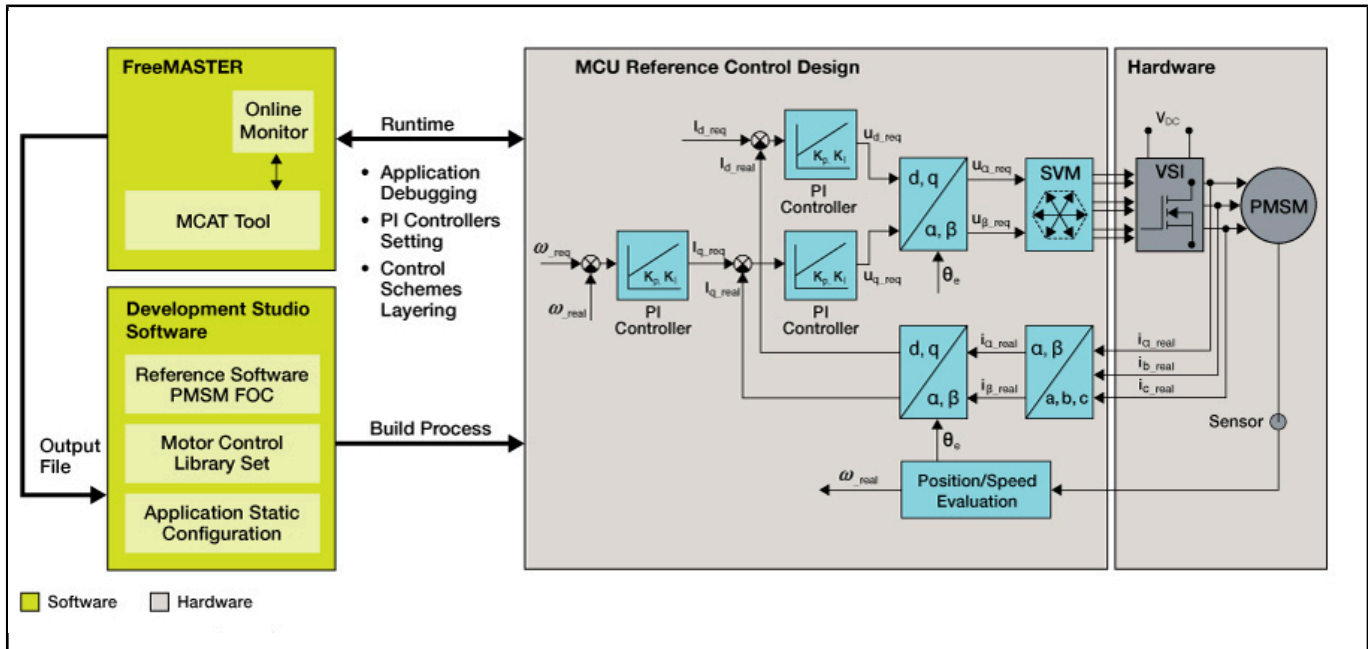
The Motor Control Application Tuning (MCAT) Tool is a HTML-based user-friendly graphical plug-in tool for Our FreeMASTER. This tool is intended for the development of PMSM (BLDC) FOC and ACIM control applications, real-time control structure parameter tuning, and will aid motor control users in adapting NXP® MC solutions to their motors without a detailed knowledge of PI controller constant calculations.

The MCAT Tool may support different features and have different look depending on domain (automotive, industry).

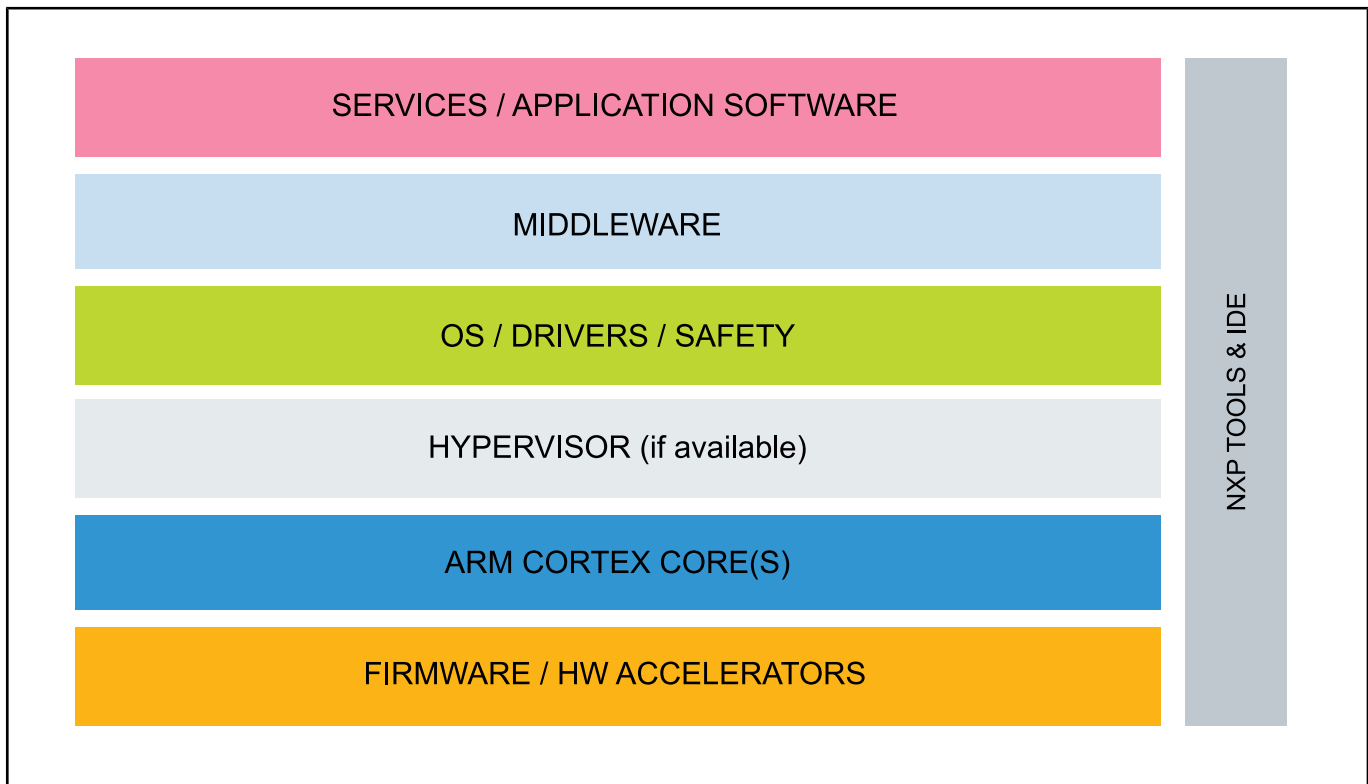
The industry domain examples are described on [MCUXpresso SDK Motor Control](#) page.

The tool is not provided as a standalone application, but it is a FreeMASTER plug-in component of featured reference designs and application codes.

## Motor Control Application Tuning Block Diagram



## Automotive General Block Diagram Block Diagram



View additional information for [Motor Control Application Tuning \(MCAT\) Tool](#).

**Note:** The information on this document is subject to change without notice.

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