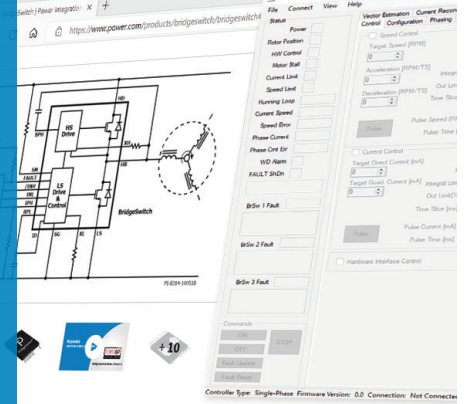
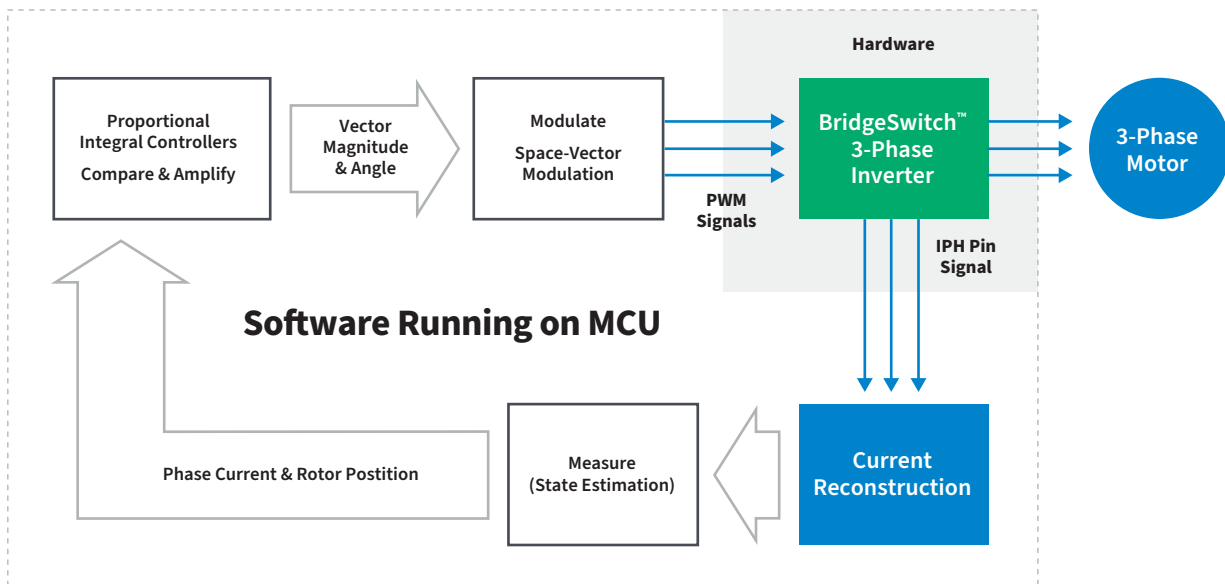


# Motor-Expert™ Suite

- Modular software with motor tuning, quick start and performance optimization
- Supports three-phase and single-phase BLDC motor designs
- Runs on entry-level Arm Cortex-M0 and equivalent microcontrollers
  - Can be ported to any other Cortex-M0 or higher Cortex-M MCU
- Highly configurable, even at run-time
- Reduces development time



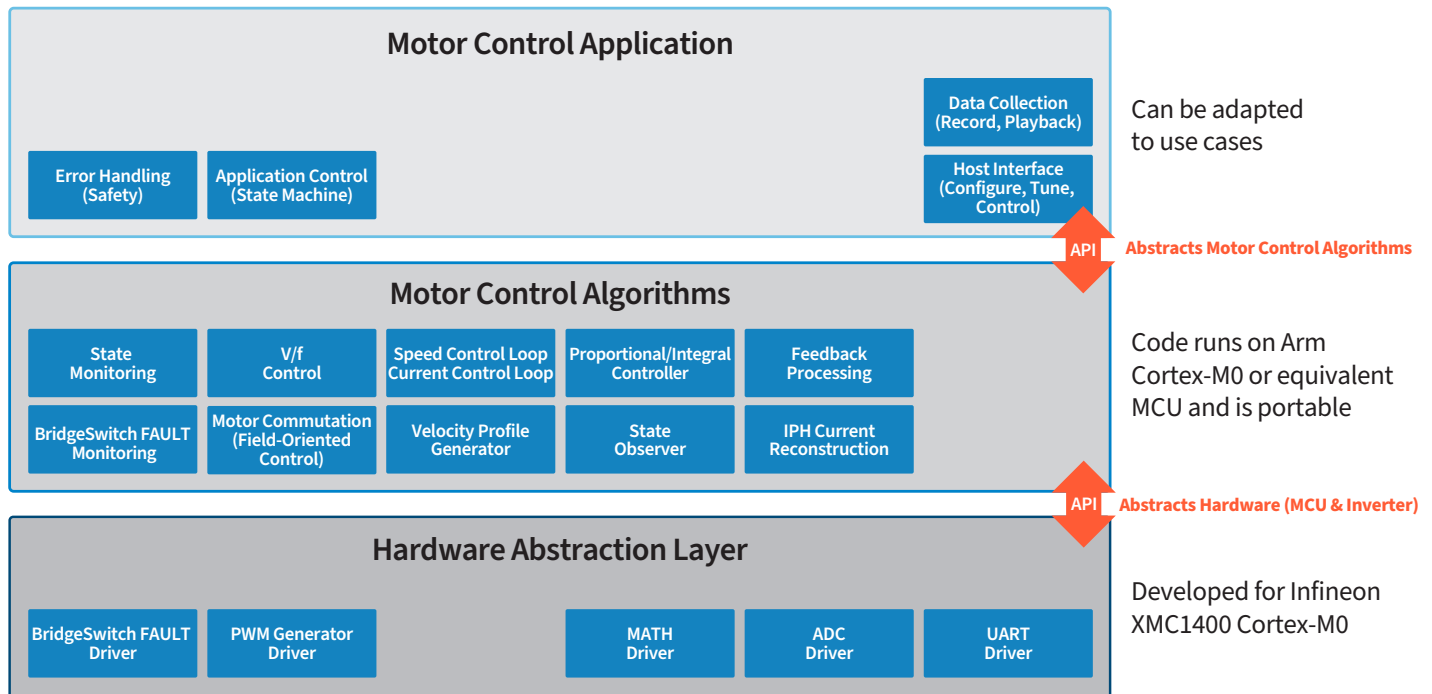
## Three-Phase Sensorless Field-Oriented Control Software Architecture



## Applications

- Single- or multi-phase high-voltage PM and BLDC motor drives in:
  - Air conditioners
  - Dishwashers
  - Ceiling fans
  - Refrigerators
  - Range hoods

## Modular Software with Examples to Match Use Cases



## Design Support

<b>Design Tool</b>	Motor-Expert Suite software ( <a href="http://www.power.com/motor-expert-suite">www.power.com/motor-expert-suite</a> )
<b>Design Example</b>	250 W, three-phase, shuntless FOC design (DER-964) ( <a href="http://www.power.com/der-964">www.power.com/der-964</a> )
<b>Design Example</b>	30 W single-phase inverter design (RDR-873) ( <a href="http://www.power.com/rdr-873">www.power.com/rdr-873</a> )
<b>Video</b>	Motor-Expert software streamlines motor drive designs ( <a href="http://www.power.com/motor-expert-video">www.power.com/motor-expert-video</a> )