Application-specific examples for industrial and medical sensors

Features

- Ready-to-use application-specific examples using MEMS industrial and medical sensors
- Support for following sensors:
    - FXLS8974CF
    - FXLS8964AF
    - FXLS8967AF
    - FXLS8971CF
    - FXLS8961AF
    - NMH1000
    - MPL3115A2S
- Demo applications with getting started instructions
- Tools integration for easy import, build, and run
- Available through application code hub GitHub

Description

Quick reference application-specific examples based on MEMS sensors for industrial and medical segments. Demonstrate various sensor features, sensor configurations, low-power motion wake-up modes, sensor data change detection functionality, low-power magnetic wake-up, pressure sensor and altimetry applications, personal healthcare applications, out-of-the-box evaluation examples, etc.

This platform provides full tools integration to import, build and run examples on sensor evaluation boards kitted with various NXP's MCX MCU boards. Comes with getting started instructions to bring up the demo examples to improve ease-of-use. The application-specific examples are supported with a toolchain called MCUXpresso-IDE from NXP and VS Code with MCUXpresso Plugin from NXP.

Revision history

Table 1. Document revision history

Date	Version	Changes
02-Feb-2026	1	Initial release

IMPORTANT NOTICE – READ CAREFULLY

STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice.

In the event of any conflict between the provisions of this document and the provisions of any contractual arrangement in force between the purchasers and ST, the provisions of such contractual arrangement shall prevail.

The purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgment.

The purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of the purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

If the purchasers identify an ST product that meets their functional and performance requirements but that is not designated for the purchasers' market segment, the purchasers shall contact ST for more information.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, refer to www.st.com/trademarks. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.