Examples for the Battery Pressure Monitoring Sensor (BPMS)

Features

- Application examples for the host MCU connected to the NBP8 and NBP9 Battery Pressure Monitoring Sensors (BPMS)
- Application example for the embedded MCU of the NBP device, supporting connection to external gas sensors

Description

Two types of software projects are provided. The first type consists of application examples for the host MCU connected to the NBP8 or NBP9. The supported MCU platforms are the FRDM-KE15Z board for the NBP8 and the FRDM-KW36 board for the NBP9.

The second type is an application example for the embedded MCU of the NBP device, intended for users wishing to reprogram the NBP with custom firmware. An application example implementing a connection to external gas sensors is provided.

The host MCU application examples open with NXP's MCUExpresso IDE. For users wishing to reprogram the NBP with custom firmware, the NBP project opens in NXP's CodeWarrior IDE for MCUs IDE version 11.1 or higher. The "NTM88_LIB" patch needs to be installed in the IDE. The embedded MCU of the NBP is programmed using P&E Multilink programming tools that support the HCS08 core.

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For further information, contact your local STMicroelectronics sales office.

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Revision history

Table 1. Document revision history

Date	Version	Changes
02-Feb-2026	1	Initial release

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