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STMicroelectronics provides full STM32 support for Microsoft Visual Studio Code

Developers can now fully design, code, and debug STM32 applications in VS Code

Geneva, Switzerland, March 14, 2023 – STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, has announced tool extensions that bring the advantages of Microsoft® Visual Studio Code (VS Code) to STM32 microcontrollers.

VS Code is a popular Integrated Development Environment (IDE), acclaimed for its ease of use and flexible features such as IntelliSense that simplifies and accelerates code editing. Access to the STM32 ecosystem, from within VS Code, now makes these features available to even more embedded developers of the wide STM32 community. It also lets developers accustomed to working on high-level and consumer applications easily create embedded solutions that are power-efficient, compact, and economical.

"*Connecting VS Code with our STM32 ecosystem makes the power of the industry-leading STM32 family of microcontrollers more accessible than ever*," said Daniel Colonna, Marketing Director Microcontrollers, STMicroelectronics. "*Communities for whom VS Code is the preferred environment, including high-level software developers, academics, and enthusiasts and makers, can now choose to make their ideas real using STM32 MCUs without leaving their preferred development environment*."

"*Through our deep collaboration with STMicroelectronics we have been able to provide capabilities that allow STM32 projects to be used in Visual Studio Code,"* said Marc Goodner, Principal Product Manager, Microsoft. "*This provides an excellent solution for existing STM32 embedded developers while expanding the reach of the STM32 platform to the millions of developers already using Visual Studio Code.*"

The new support extends the selection of tools available to all STM32 developers, including hardware integrators and mass-market customers that typically choose from commercial tools or ST's free Eclipse-based STM32CubeIDE environment. VS Code and the STM32 VS Code Extension are available free of charge.

Further technical information
Following integration with the STM32 ecosystem, VS Code now lets developers edit, build, program, run, and debug STM32CubeIDE projects. These include projects generated with STM32CubeMX for STM32CubeIDE, projects delivered within firmware packages, and existing projects compatible with STM32CubeIDE.

All key elements of the STM32Cube ecosystem are available within the VS Code IDE, including STM32 Developer Zone, STM32 GitHub repository, the STM32CubeMX tool for project initialization and analysis, and the ST-MCU-Finder device-selection assistant.

For further information please go to www.st.com/stm32.

About STMicroelectronics

At ST, we are more than 50,000 creators and makers of semiconductor technologies mastering the semiconductor supply chain with state-of-the-art manufacturing facilities. An integrated device manufacturer, we work with more than 200,000 customers and thousands of partners to design and build products, solutions, and ecosystems that address their challenges and opportunities, and the need to support a more sustainable world. Our technologies enable smarter mobility, more efficient power and energy management, and the wide-scale deployment of the Internet of Things and connectivity. ST is committed to becoming carbon neutral by 2027. Further information can be found at www.st.com.

For Press Information Contact:

Michael Markowitz
STMicroelectronics
Tel: +1 781 591 0354
Email: michael.markowitz@st.com