



ST Wireless in industrial applications

Gang WU



1 ST wireless

2 Smart industrial applications



ST Wireless



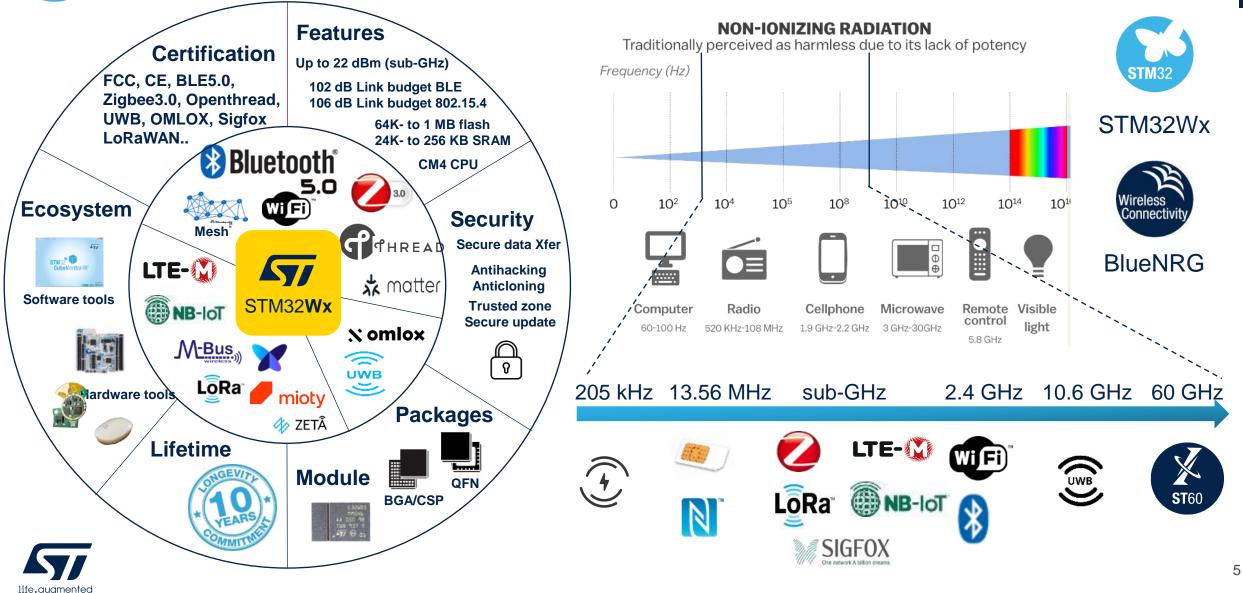
Communication technologies overview



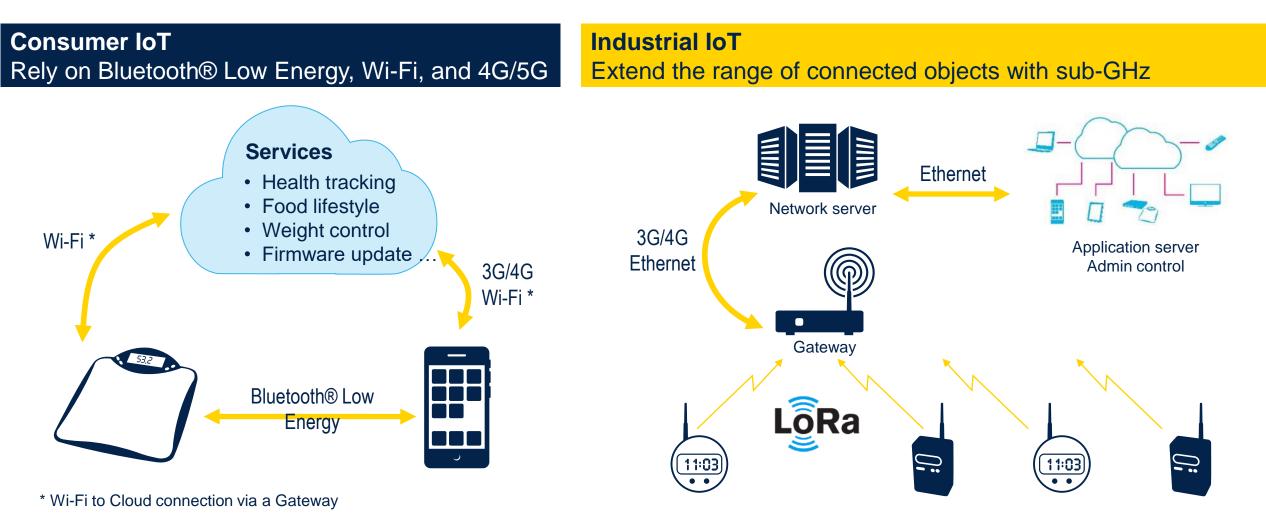




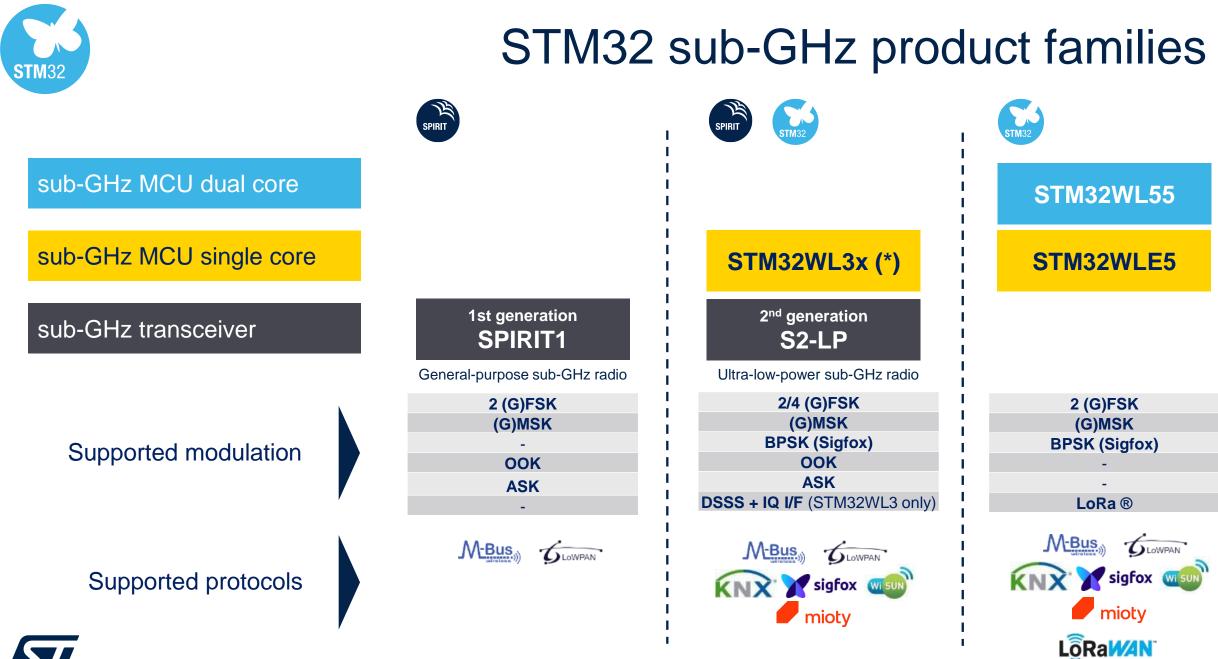
STM32 wireless offer



sub-GHz takes Industrial IoT a step further





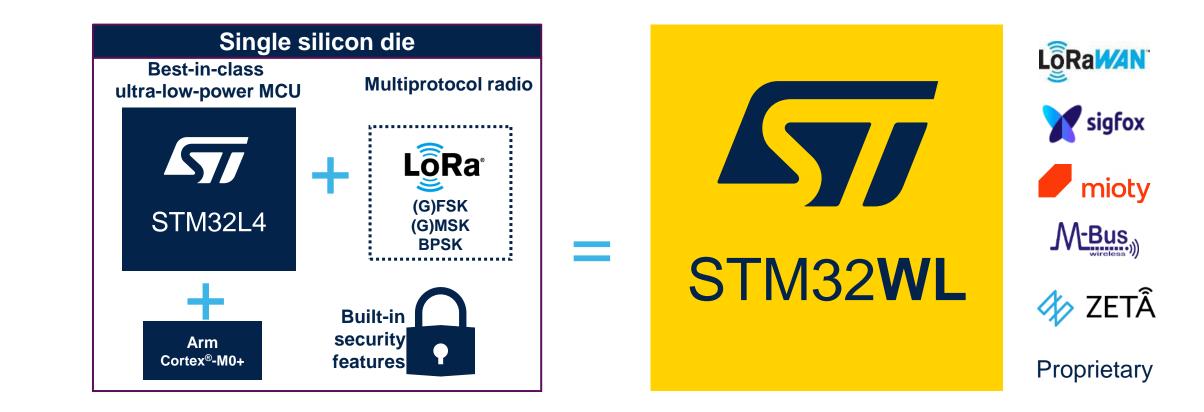


life.auamente



STM32WL5X The world's first LoRa SoC

A Sub-1GHz wireless MCU supporting long range wireless protocols







STM32WL5X Small form factor, reduced BOM, simple PCB design







A wide 2.4 GHz portfolio

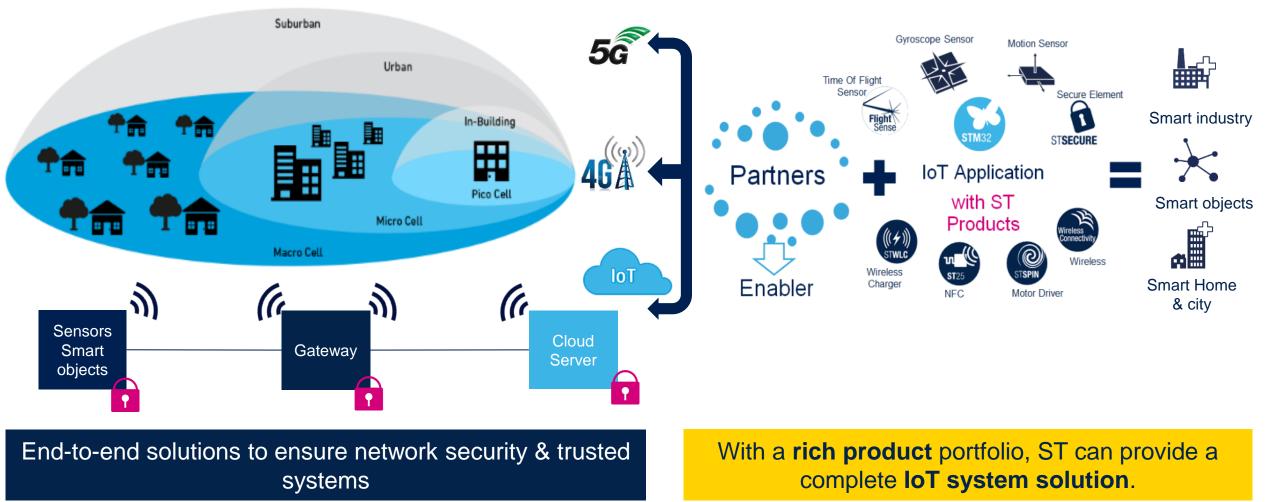


Smart Industrial Applications



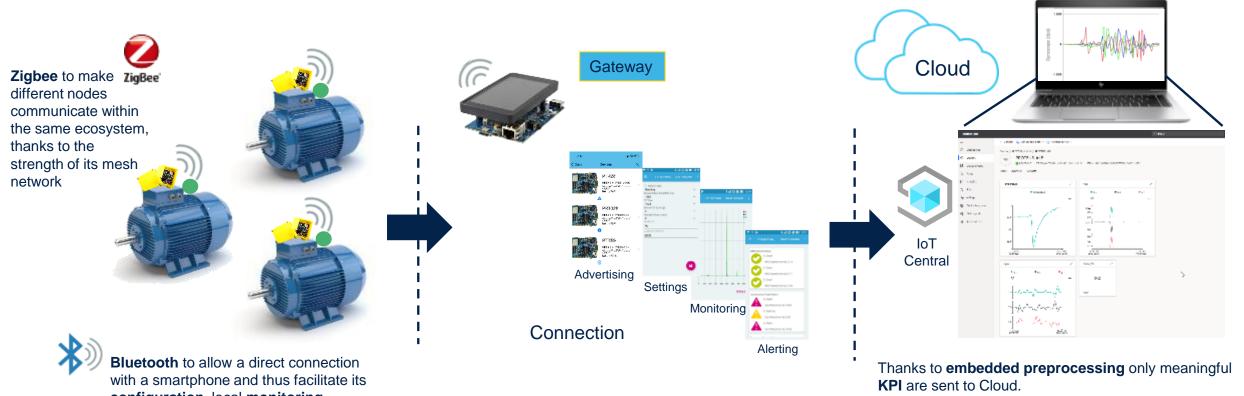


IoT system solutions





Condition monitoring with STEVAL-PROTEUS1



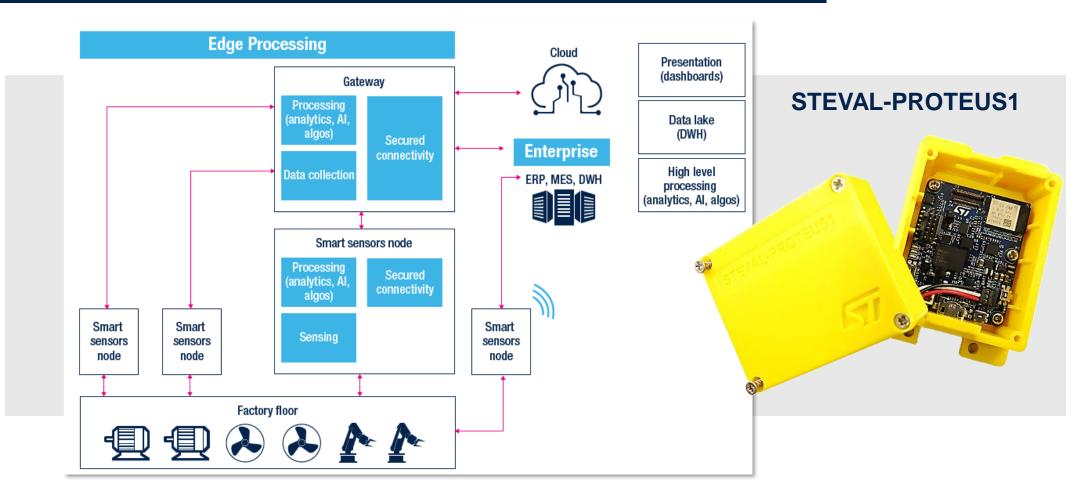
configuration, local **monitoring equipment status** and firmware upgrade over the air (**FUOTA**)

Machine **trends**, **statistics reports** and **alarm events** boost maintenance process.



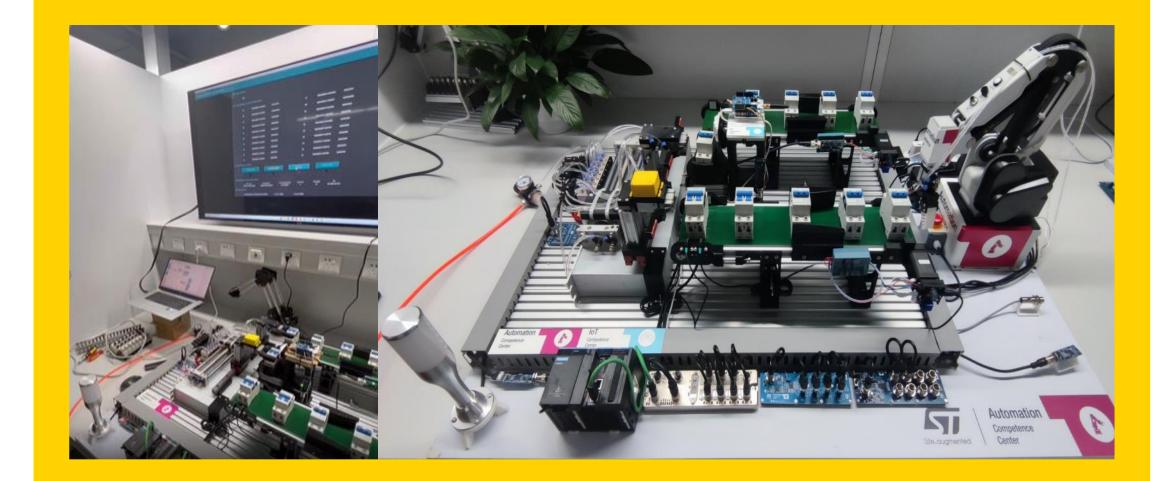
STEVAL-PROTEUS1 applications

Every Industry 4.0 or industry 5.0 application at field level is built around smart sensors





Factory automation



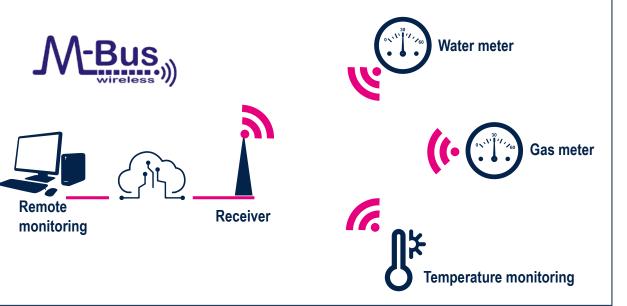


WMBUS



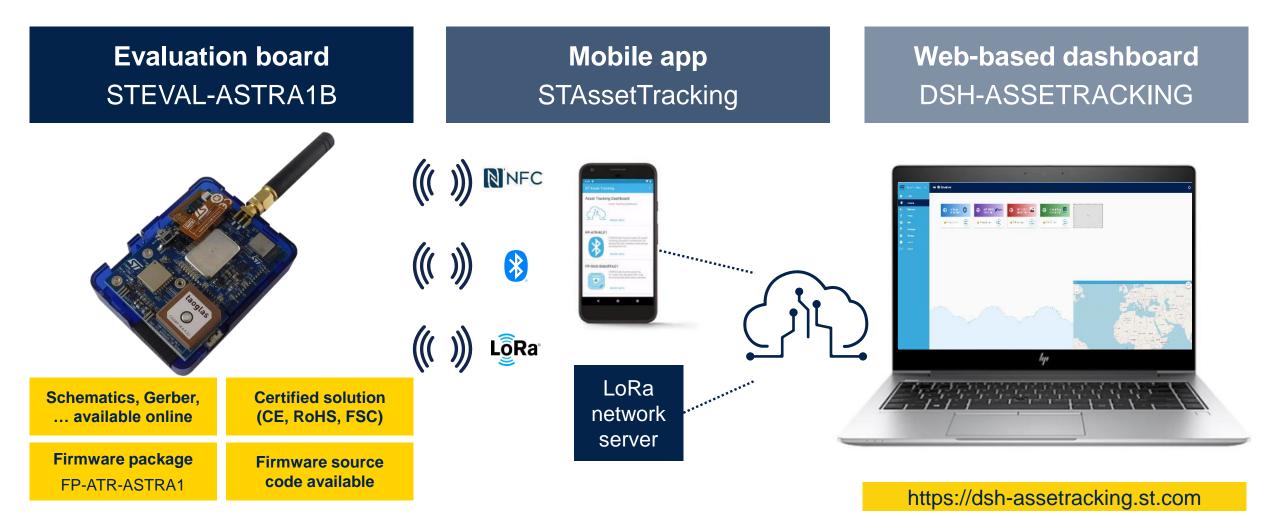
ST WMBUS package

- WMBUS stack can be provided as libs or source code
 - EN 13757-4 Release 2013
- EN 13757-3 WMBUS application examples
 - OMS/DSMR





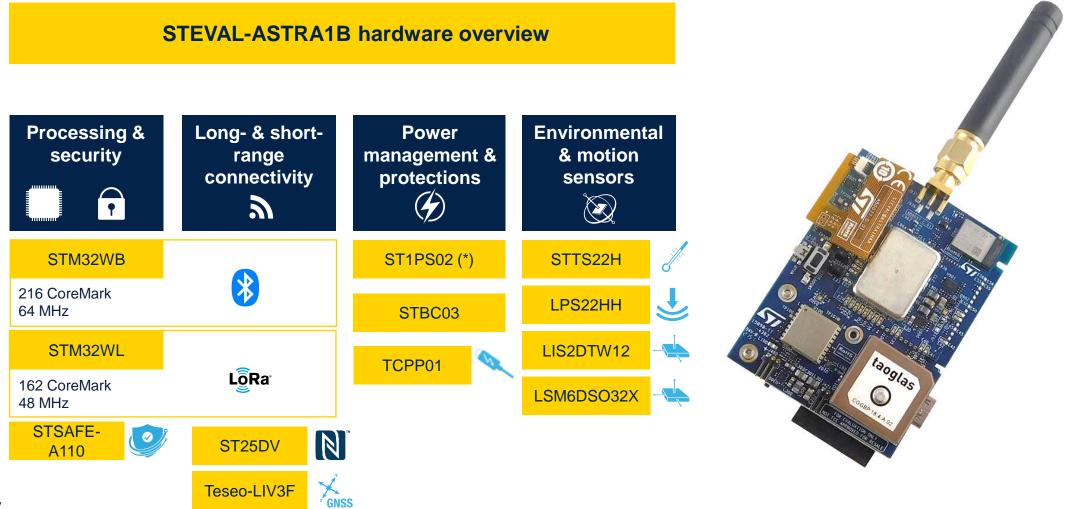
Asset tracking applications





STEVAL-ASTRA1B Asset tracking solution







Metering









Industrial Summit download center



ST Power & SPIN microsite (CN Only)





Our technology starts with You



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