FAE
TECHNOLOGY

ST life.augmented — Authorized Partner

Electronics Technology Enabler

FAE Technology Spa is an Italian electronics design center and manufacturing company that offers R&D services in hardware, firmware and software, as well as production areas for rapid prototyping and assembly.
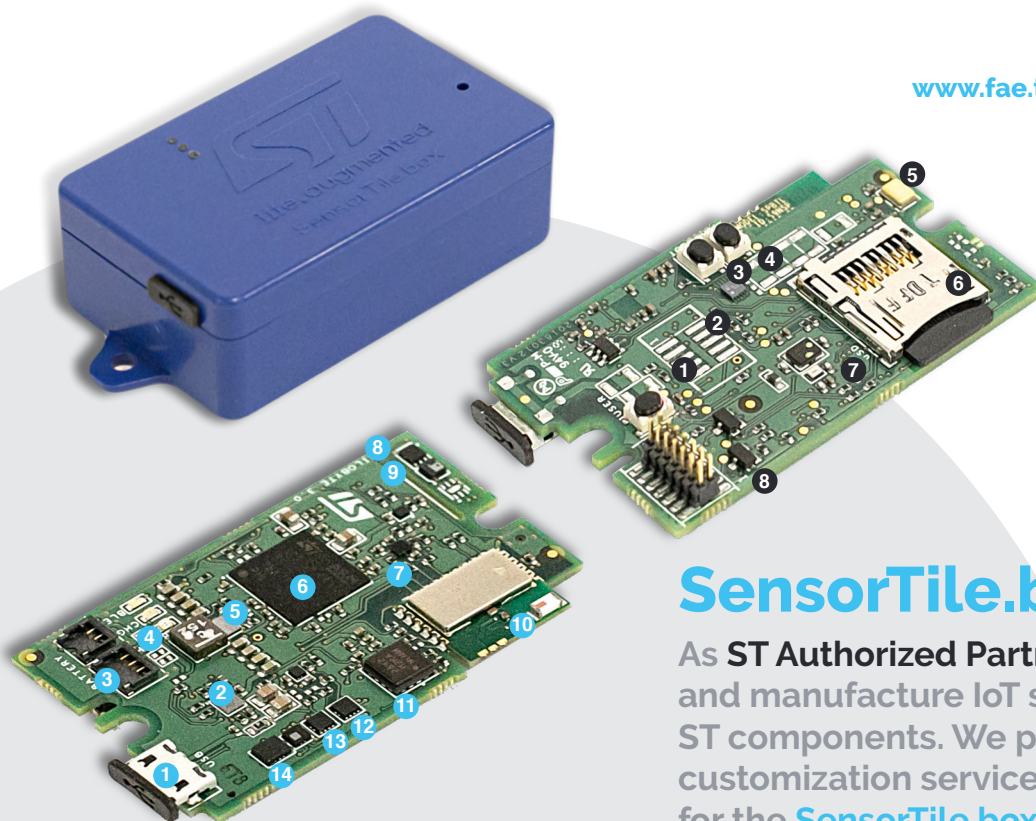
Using the **latest components** and **technology**, FAE Technology Spa has developed extensive **expertise** in building **custom** embedded hardware platforms and in **developing** firmware and software algorithms.

FAE Technology Spa manages the complete **PCBA design cycle**, from concept to mass production, thanks to a **highly skilled team**.

A **key feature** of the company is its **enabling** of electronics technology with an **industrial approach** which, together with reliability and the fastest time to market, makes FAE Technology Spa the **perfect electronics partner.**

The creative process which makes the development of an **IoT device** possible is very complex and requires the skills ecosystem that FAE Technology Spa provides.

We are proud to be part of the **STMicroelectronics partner program**, where we collaborate in developing **IoT devices** and products, in these specific case for **SensorTile.box.**

SensorTile.box

As **ST Authorized Partner** we develop and manufacture IoT solution based on ST components. We provide customization service and fulfillment for the **SensorTile.box**.

1	**USB**	**9**	**HTS221** Capacitive digital sensor for relative humidity and temperature	
2	**STBC02AJR** Li-Ion linear battery charger with LDO, load switches and reset generator	**10**	**SPBTLE-1S** Very low power application module for Bluetooth® Smart v4.2	
3	**Li-Ion battery connector**	**11**	**LIS3DHH** High-resolution, high-stability 3-axis digital inclinometer for industrial applications	
4	**LEDs**	**12**	**LIS2DW12** 3-axis MEMS accelerometer	
5	**STBB3JR** 2MHz, high efficiency dual mode buck-boost DC-DC converter	**13**	**LIS2MDLTR** high performance 3-axis magnetometer	
6	**STM32L4R9ZIJ6** Ultra-low-power with FPU ARM Cortex-M4 MCU 120 MHz with 2048 kbytes Flash	**14**	**LSM6DSOX** iNEMO 6DoF inertial measurement unit (IMU), with advanced Digital Function, Finite State Machine. Ultra-low power and high accuracy and Machine Learning Core	
7	**Wide band analog audio amplifier**			
8	**STTS751** digital temperature sensor			

1	**User button**
2	**JTAG BLE Module**
3	**Boot button**
4	**Power Button**
5	**MP23ABS1TR** High performance MEMS audio sensor single ended analog bottom-port microphone
6	**Micro SD card**
7	**ST6G3244MEBJR**
8	**JTAG STM32**

FAE Technology Spa is your industrial partner to customize the SensorTile.box, offering the following services:

- **Production Ready Product** with certifications
- **New Plastic Housing** to fit your form factor and your design needs
- **Electronics Board customization** to fit different form, optimize component usage to reduce BOM costs and develop price competitive solution
- **FW / App customization** to customize your needs
- **Production of hundred to thousand pieces** with state of the art manufactory

CONTACT US
info@fae.technology

FAE Technology Spa Via C. Battisti, 136 Gazzaniga (BG) - 24025 - Italia. P.IVA 02032310167 - T +39 035 73 81 30