



GNT/NT Wearables

Current initiatives



SmartWatch

Speed-y project



Downstream a trial with PoliMi, in CAO (Operational Training Center) on three workers and three different devices (Samsung, Garmin and BioBeat) the Samsung Galaxy Watch SM-R800 has been chosen as best device to detect vital parameters. Therefore it will be possible to converge developments on HSE side with the WFM ones (already planned on Samsung device).



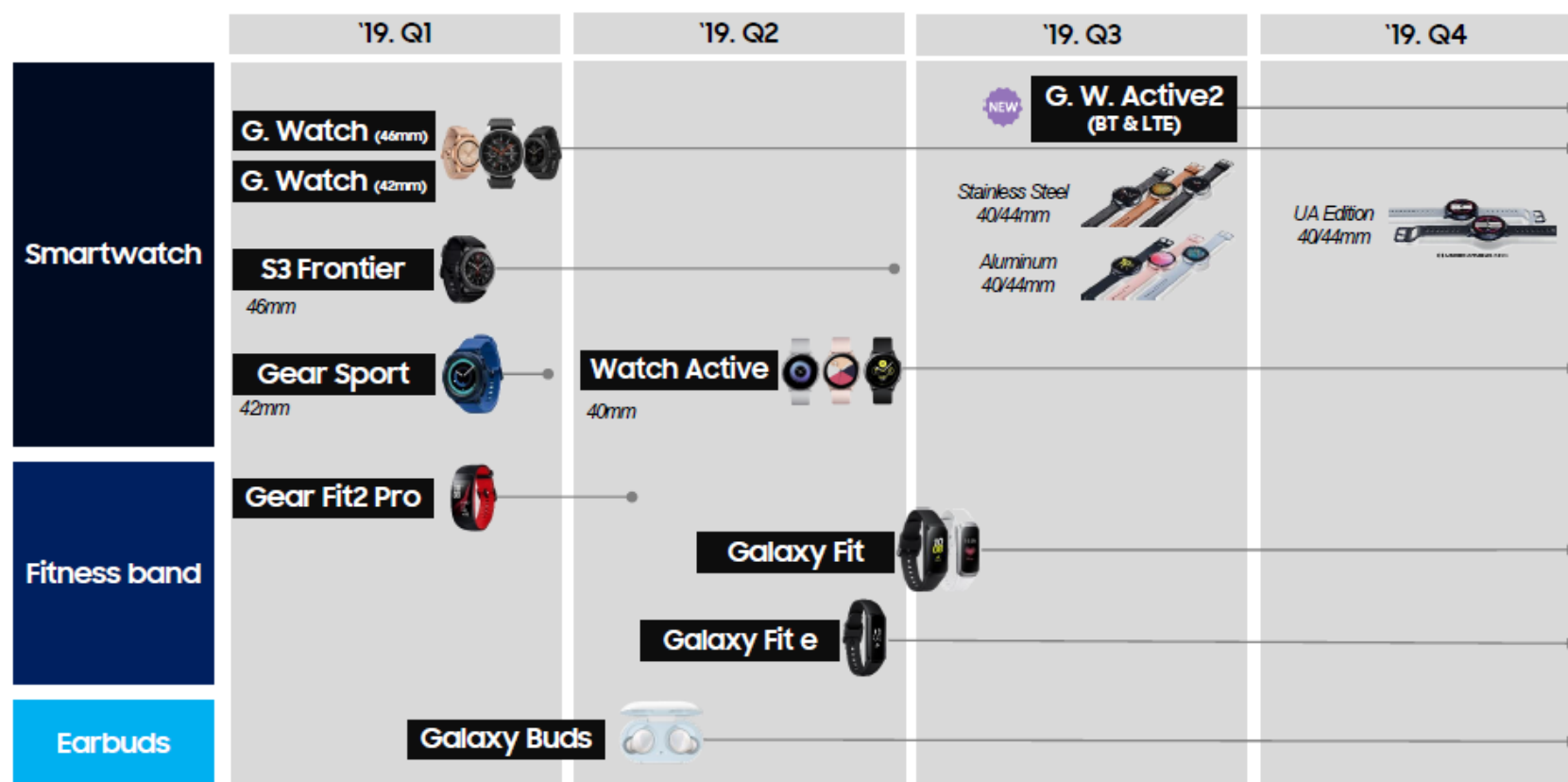
	Galaxy Watch SM-R800 (46mm)
Autonomous	No
Dimensions	41.9 x 45.7 x 12.7mm
Weight	49 gr (without bracelet)
Waterproof	IP68
Display	OLED 1,3" 360x360
S.O.	Tizen 4.0
CPU	Exynos 9110 Dual-core 1,5 GHz
Sensors	Accelerometer, gyro, heart rate, barometer
Compass sensor	NO
Battery	472 mAh

SmartWatch

Roadmap Samsung



Opportunity: ECG enabling from spring 2020, possibility of the Compass sensor from autumn 2020



Fonte **SAMSUNG**

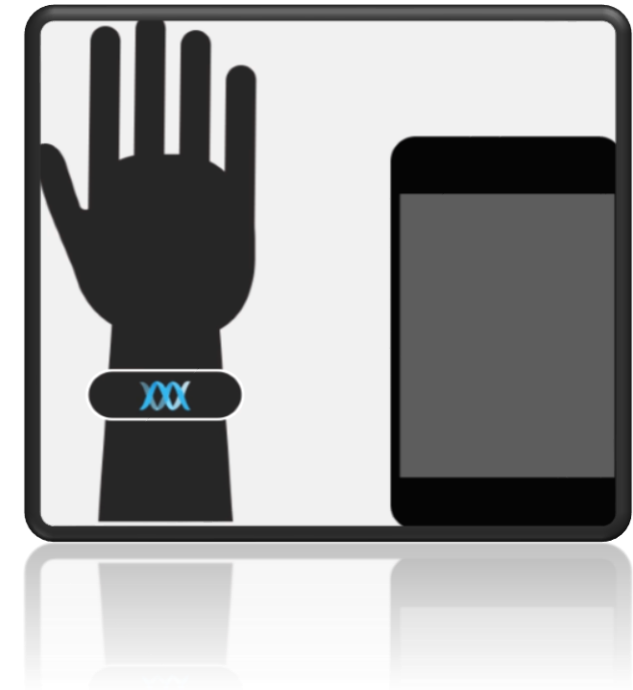
Wrist Band Mudra

Progress



Bracelet for the detection of the electrical signal in the nerves and active interpretation of the gesture.

- At the end of the experiments, the device proved to be still unreliable, specifically as regards BT connectivity.
- Mudra has reserved the right to approach new solutions of which it will keep us informed but experimentation is currently suspended.
- Finally, if Microsoft Hololens 2 were designated as SmartGlass for MR, its usefulness is drastically reduced.



Weart – dispositivo haptic

Feedback tactile



The Weart ring allows you to experiment with tactile feedback such as vibration, temperature or pressure. The sensation felt is extremely realistic. An offer was requested for an integration test within a VR scenario.

