STM GNSS Positioning offer

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STM GNSS Positioning – Teseo Family

The most innovative and solid offering for GNSS applications

- GNSS leadership position in automotive applications
- Presence in GPS/GNSS field since 25 years
- Pioneer in GNSS Multiconstellation, Galileo and Multiband
- Outstanding positioning accuracy
- Rich product portfolio tailoring different application needs
- Build ecosystems with competent partners
- Focus on applications to make car driving safer, greener and more connected
ST part of GALILEO program since the beginning

Teseo ideal solution for eCall

- ST contributed since the beginning of GALILEO signal Processing algorithms (2005 GR-POSTER)
- GSA performed first-ever position fix using GALILEO with TeseoII chip (2013)
- GSA/JRC eCall precertification for Teseo expected by Q1-2017
Towards reliable precise positioning

Single Constellation
Single Band

Multi Constellation
Single Band

Multi Constellation
Multi Band

Simultaneous usage of more than one band compensates ionosphere error improving positioning accuracy.

Simultaneous usage of more than one constellation multiplies the number of satellites improving positioning accuracy, integrity and time to first fix.

Multiconstellation (GPS, Galileo, Glonass, Beidou,)

Multiband (L1, L2, L5, E6)
Thank You