

50x

BETTER
acceleration
sensitivity

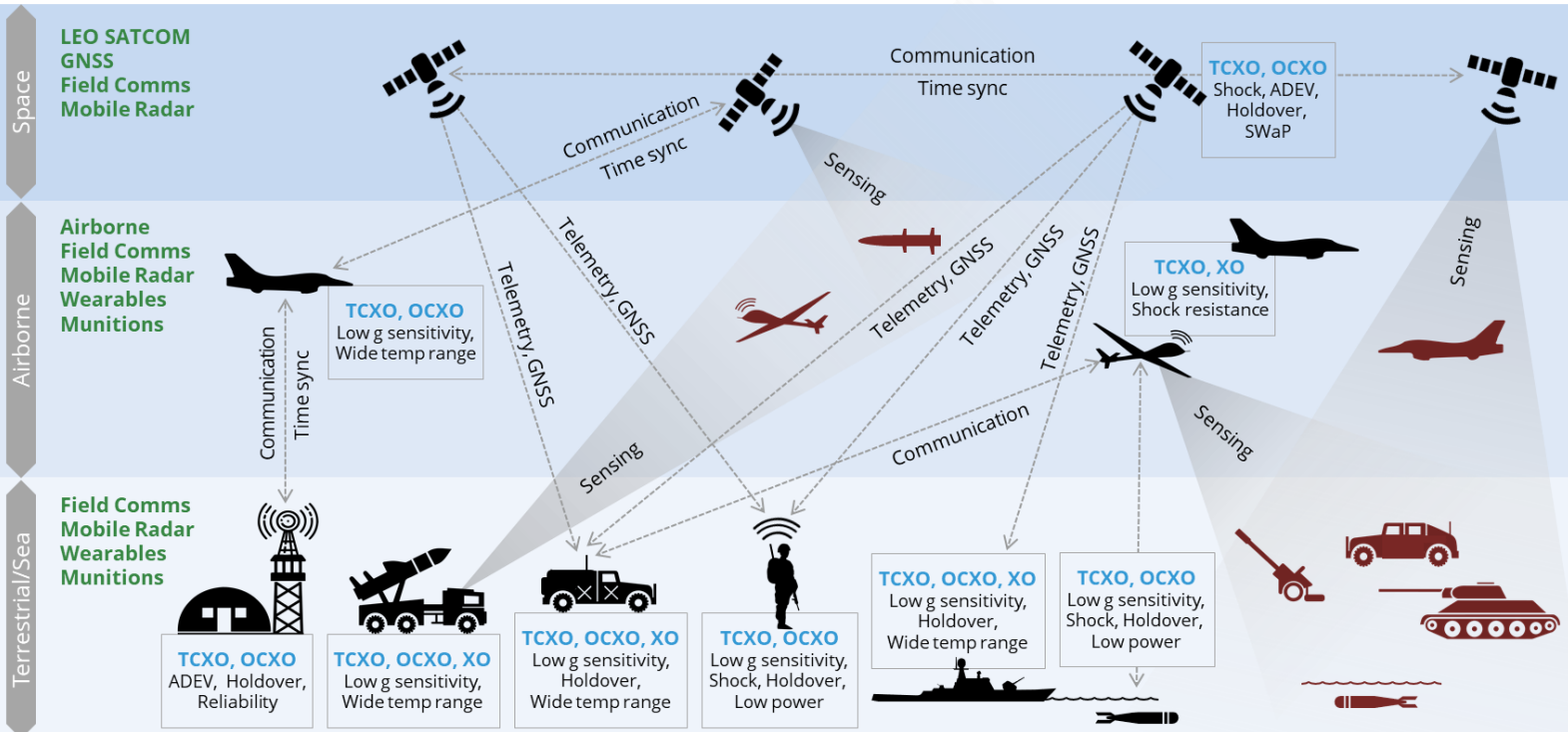
20x

BETTER
mechanical shock
resiliency

10x

BETTER
dynamic
performance (dF/dT)

SiTime MEMS timing solutions deliver the performance required for aerospace-defense applications across all domains



LEO SATCOM: Comms downlink chain, DSP, Low SWaP-C, Integrated joint/national network

GNSS: APNT support

Field Communications: Integrated fires network, Tethered Eagle, Cloud communications for disparate sensors

Mobile Radar: Long medium and near range sensing, Multi-int ground sensors, Long range precision fires

Airborne: Advanced battle management system, Drone swarm, Untethered airborne balloon system

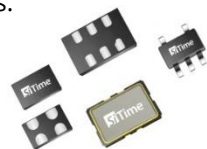
Wearables: Multi Int ground sensors, BLOS/LOS standoff range requirements

Munitions: Loitering munitions, Guided munitions

BLUE = SiTime

Ultra-rugged MEMS timing solutions, are engineered for the world's toughest applications prone to shock, vibration, extreme temperature, and airflow.

No quartz reliability issues, conforms to MIL-PRF-55310, programmable to meet exact application needs.



Low acceleration sensitivity | 0.004 ppb/g

Wide operating temperature | -55 to +125°C

Precision timing over high temperature | ±100 ppb up to 105°C

Airflow and thermal shock resistant | 1 ppb/°C

Vibration resistant | 0.1 ppb/g

Small industry-standard packages | as small as 2.0 mm x 1.6 mm

Low jitter | 0.2 ps RMS (12k to 20 MHz)

[Learn more](#) about SiTime Aerospace-Defense Timing Solutions

Contact salesupport@sitime.com