PNT SYSTEMS TO FIND YOUR WAY IN SPACE AND TIME

Given today’s increased risk of jamming or spoofing of satellite position, navigation and time (PNT) data, Safran has developed advanced PNT systems that ensure reliable and precise data reception under all conditions.

**GNSS**

Global Navigation Satellite Systems (GPS, Galileo)

Aircraft and ground PNT systems use cross-referenced signals from these satellites to determine their position.

Atomic clocks of PNT systems provide a stable and precise time reference to synchronize data between different satellites.

**High-performance PNT systems that even resist jamming and spoofing**

1. **Anti-jamming and anti-spoofing systems**
   
   In case of signal jamming:

2. **Fully autonomous inertial navigation solution**

   Based on a known starting point and precision movement tracking, via:

   - Gyros (rotation sensors)
   - Accelerometers (acceleration sensors)

   to determine the position.