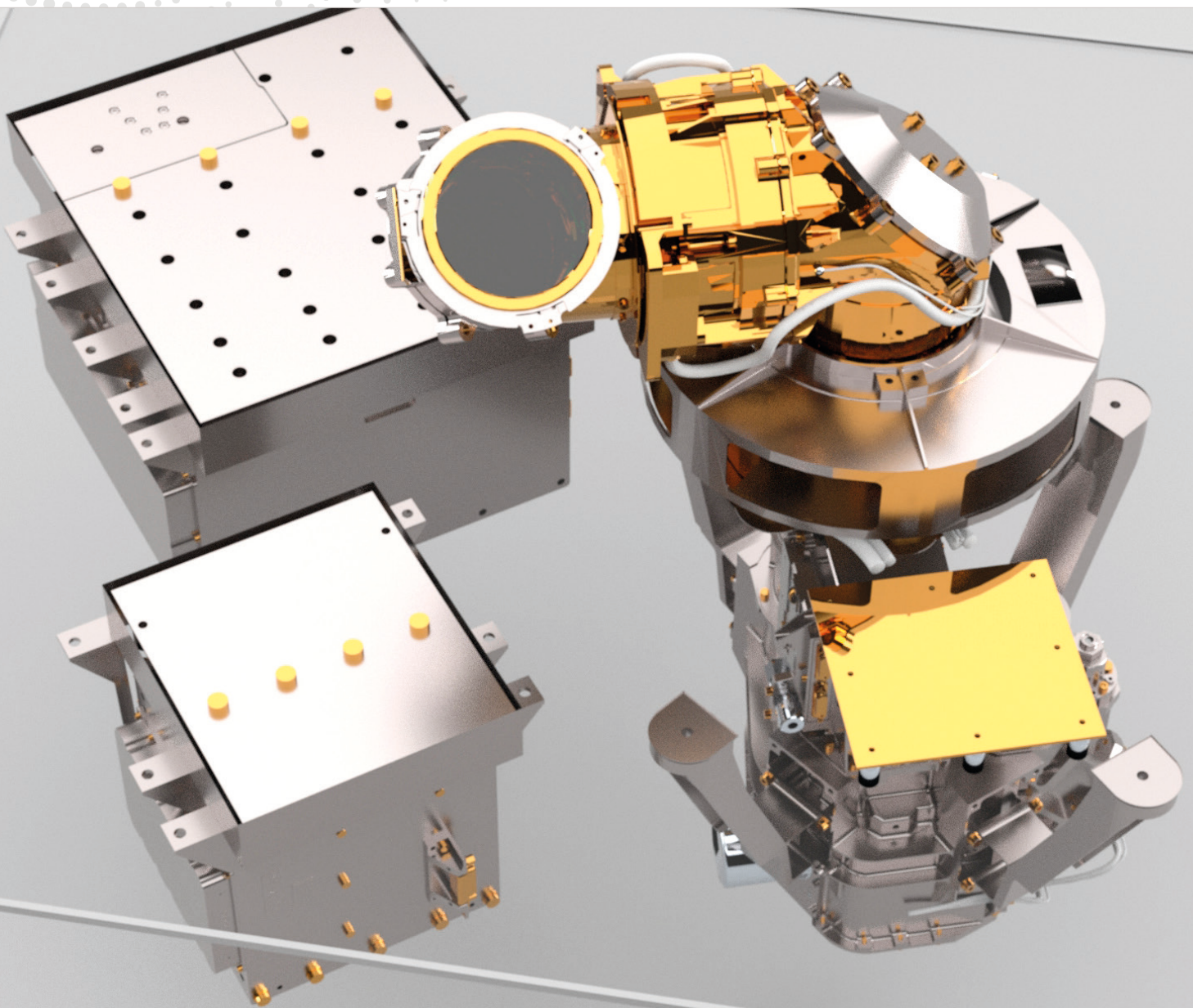


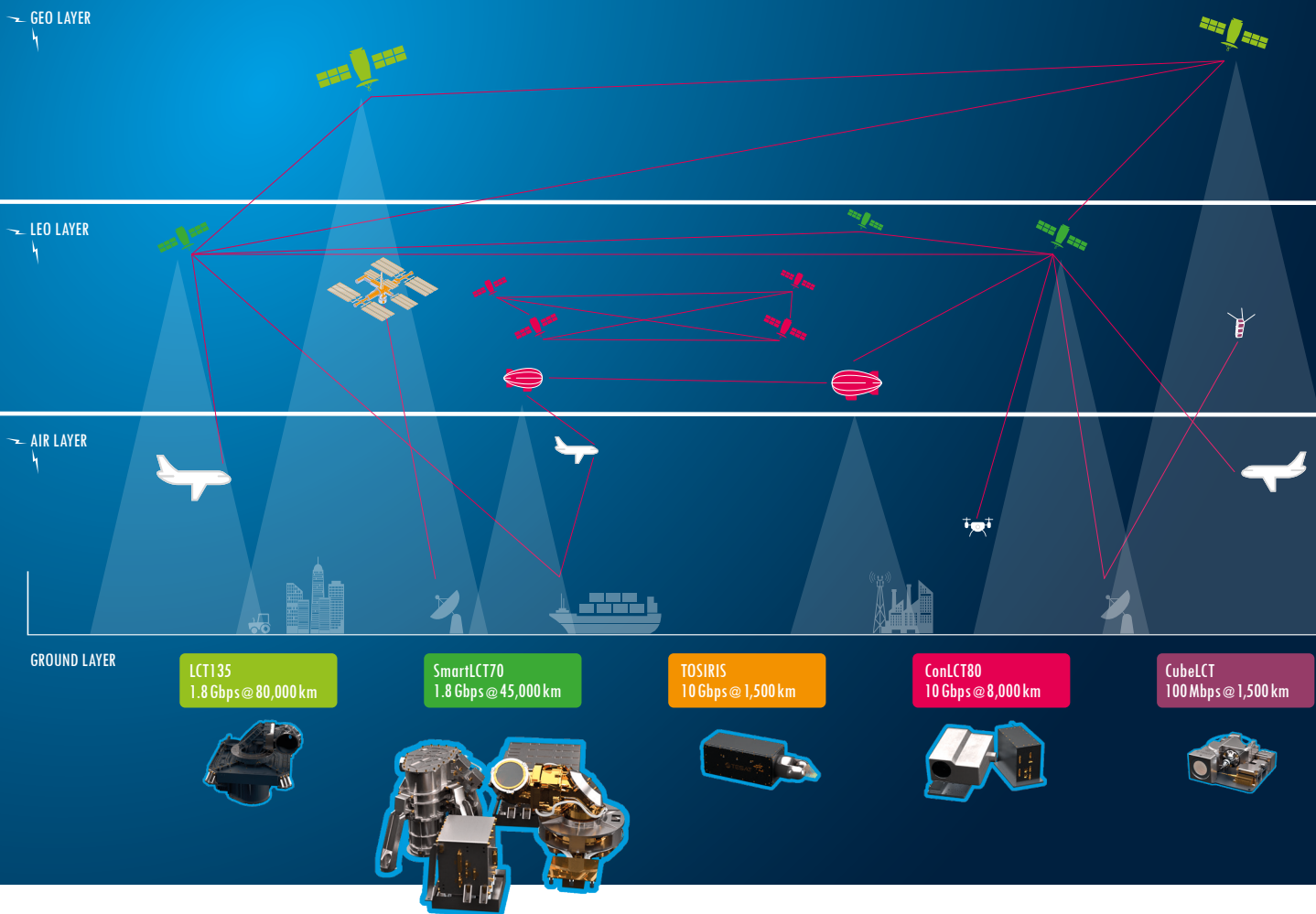
SmartLCT 70

THE LEO DATA RELAY ACCESS



VERSION 2021-10

SmartLCT 70 — LEO TO GEO DATA TRANSMISSION WITH 1.8 GBPS



KEY PARAMETERS

- **Application**
Earth observation LEO satellites connected to GEOs in data relay scheme
- **Range**
Up to 45,000 km in connection to the LCT135
- **Technical Features**
Space proven 1064 nm technology; autonomous link acquisitions: algorithms verified 10,000 fold in space; derived from TESAT's LCT135 space heritage.

KEY FACTS

- **Data Rate**
1.8 Gbps., unidirectional LEO to GEO
- **Mass**
30 kg
- **Size**
4 subunits
($< 35 \times 35 \times 20 \text{ cm}^3$ / subunit)
- **Power Consumption**
max. 150 W in communication mode
- **Field of Regard**
Full hemispherical
- **Lifetime**
10 years in LEO orbit
- **Data Interface**
Wizard Link
- **Available**
FM 2020
- **TRL**
TRL7