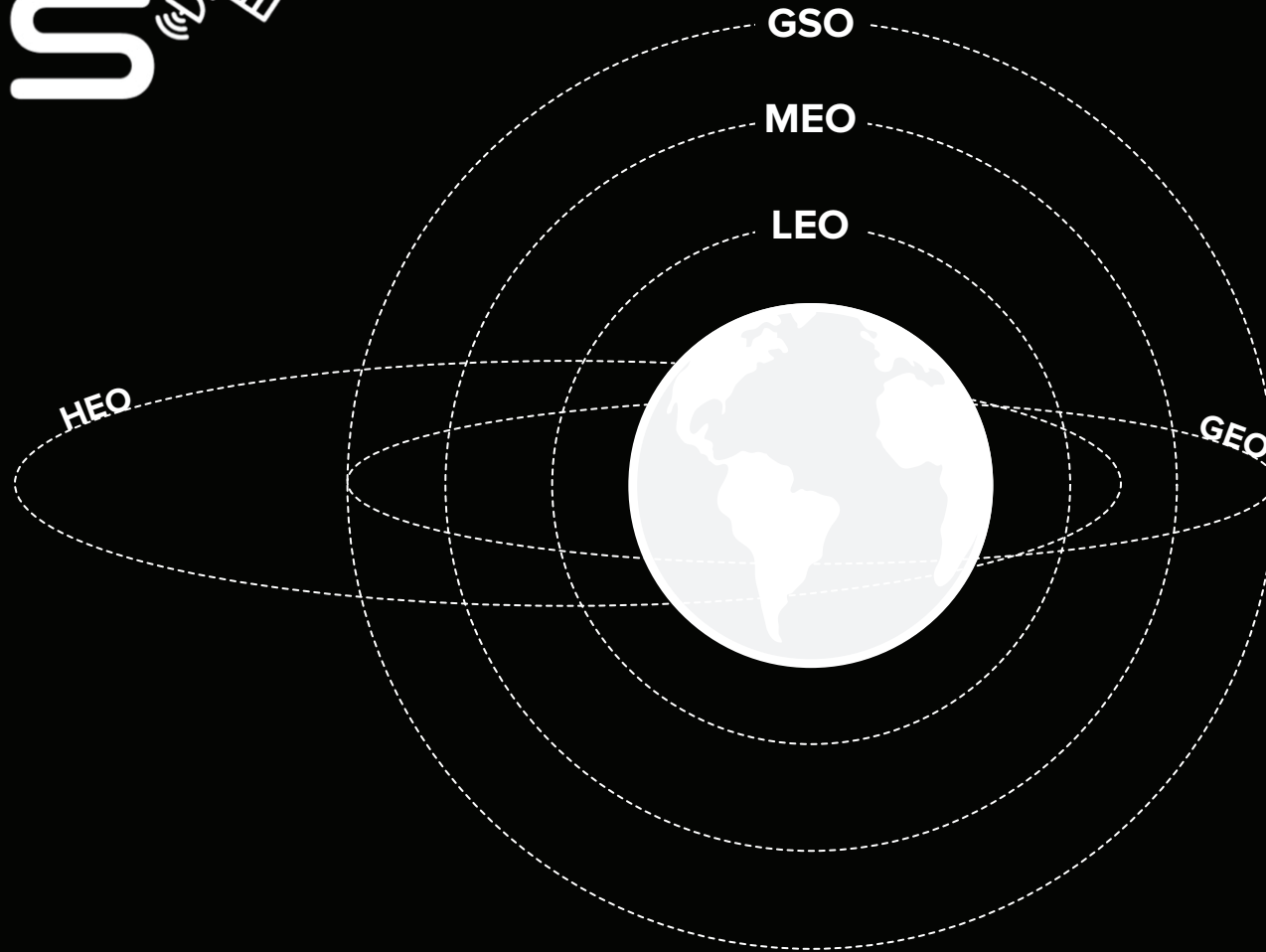




ORBIT TYPES

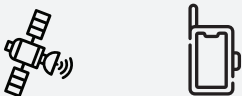


(Over the Equator)

LEO Low Earth Orbit

- Altitude: 160-2,000km
- ↑ Speed: ~8km/sec
- ↻ Orbital period: ~90min

Example:

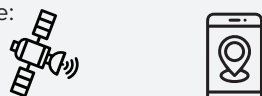


Voice and Data Services

MEO Medium Earth Orbit

- Altitude: 2,000-35,786km
- ↑ Speed: ~3-8km/sec
- ↻ Orbital period: ~2-24 hours

Example:



Global Positioning System

GEO Geostationary Orbit

- Altitude: 35,786km
- ↑ Speed: ~3km/sec
- ↻ Orbital period: 24 hours

Example:

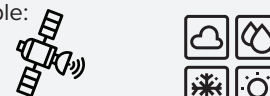


Communications satellites
Broadcast satellites

GSO Geosynchronous Orbit

- Altitude: 35,786km
- ↑ Speed: ~3km/sec
- ↻ Orbital period: 24 hours

Example:

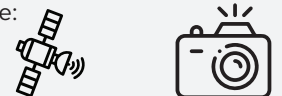


Weather satellites

HEO Highly Elliptical Orbit

- Apogee altitude: 40,000 km
- Perigee altitude: 1,000 km
- ↑ Speed: ~1.5-10.0km/sec
- ↻ Orbital period: ~12 hours

Example:



Communications,
Remote sensing