

# Key facts about Spire

### What -

Spire Global maintains a large, operational LEMUR (Low Earth orbit Multi-Use Receiver) constellation of shoe-box sized CubeSats. Each of Spire's CubeSats contains flexible and powerful software defined radio payloads, which can be re-programmed in orbit to receive and process various radio signal types. The LEMUR constellation provides global coverage, short revisit times and near real-time data

#### When -

Beginning of launch

2013

Spire first began launching satellites in 2013 and since then has launched more than 160 satellites in a variety of low Earth orbits

## Applications -

Spire's data have the potential to serve a range of applications, in areas such as:



Global shipping - identity, position and speed of marine vessels



Aviation monitoring services



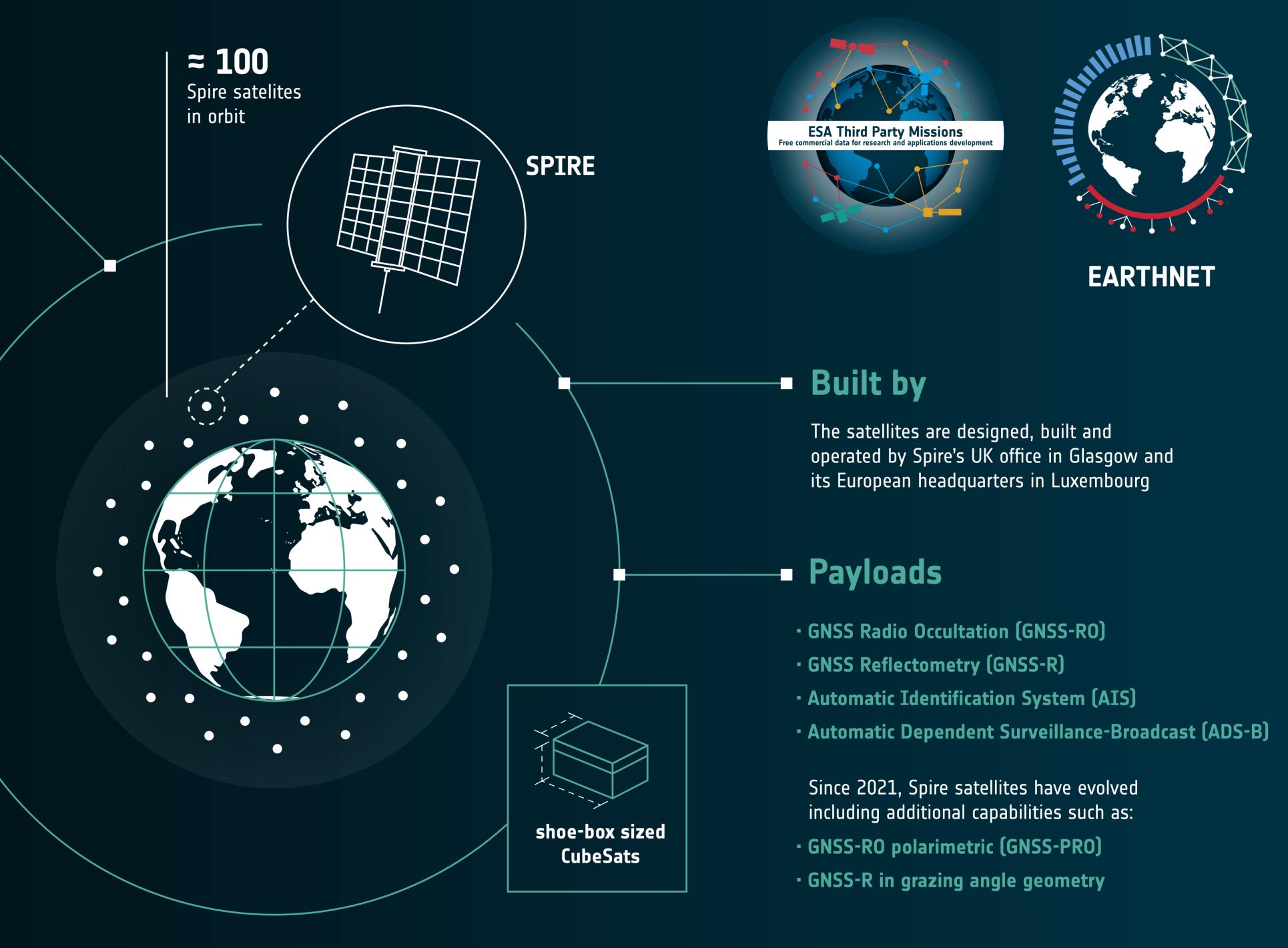
Numerical Weather Prediction (NWP)



Tracking Earth's surface properties - sea surface wind, sea ice and surface soil moisture



Space weather observations for monitoring and research



#### Data access