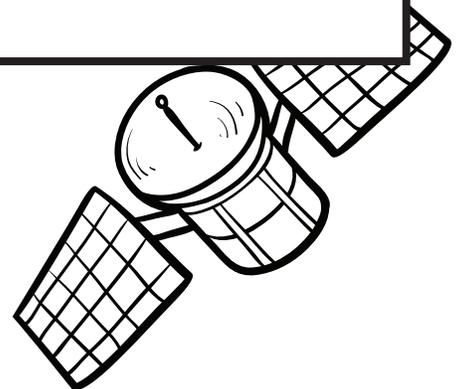


# What is GNSS?

Satellites that tell us  
where we are



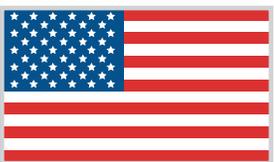
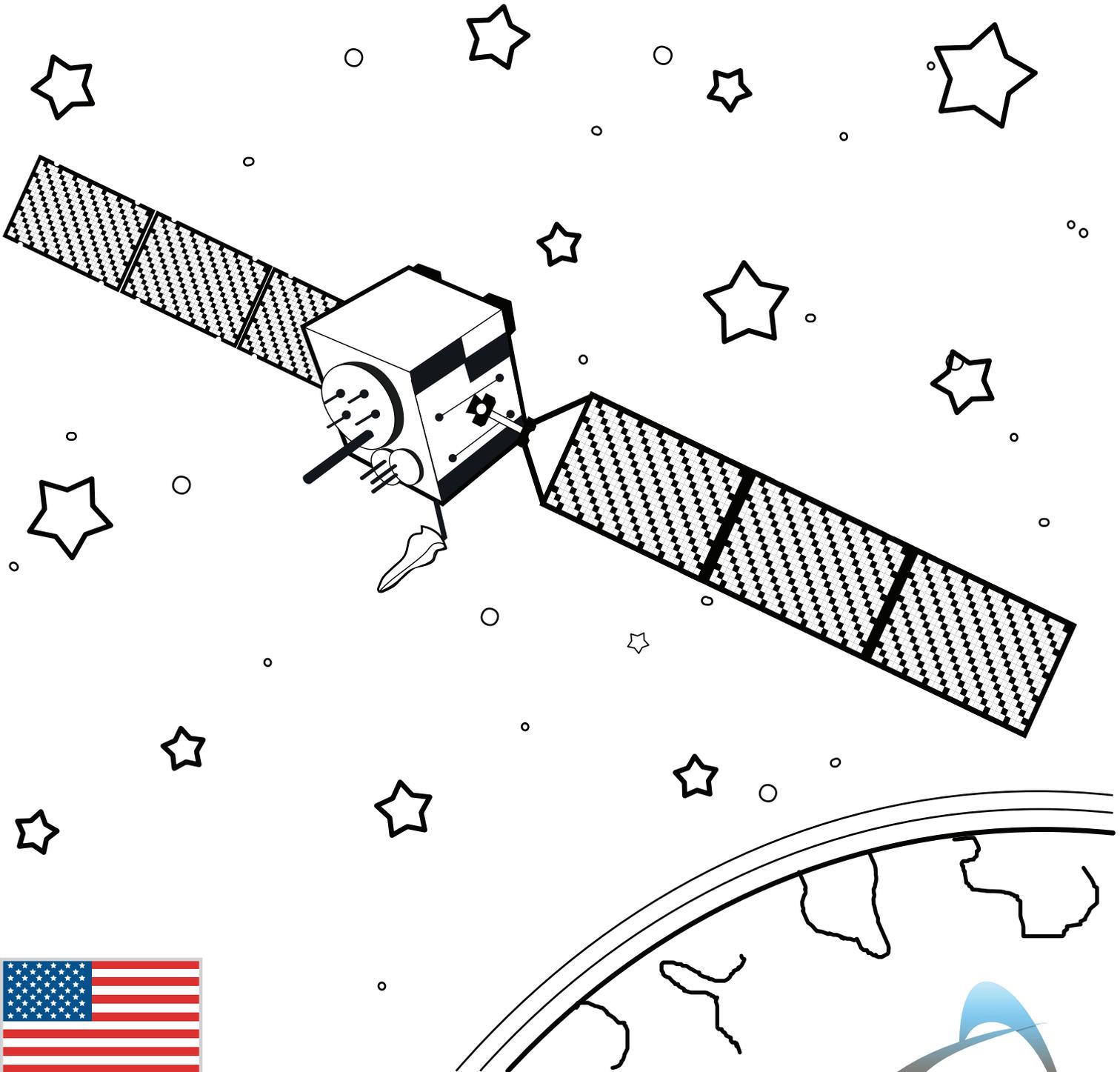
# "What is GNSS?"

GNSS means "Global Navigation Satellite System." It's made up of all kinds of different types of satellites that circle the earth in space! These satellites work together to send location messages down to us, so that we can know where we are in the world. In this book, we are going to show you every kind of satellite group that exists and where they come from!



# GPS Satellites

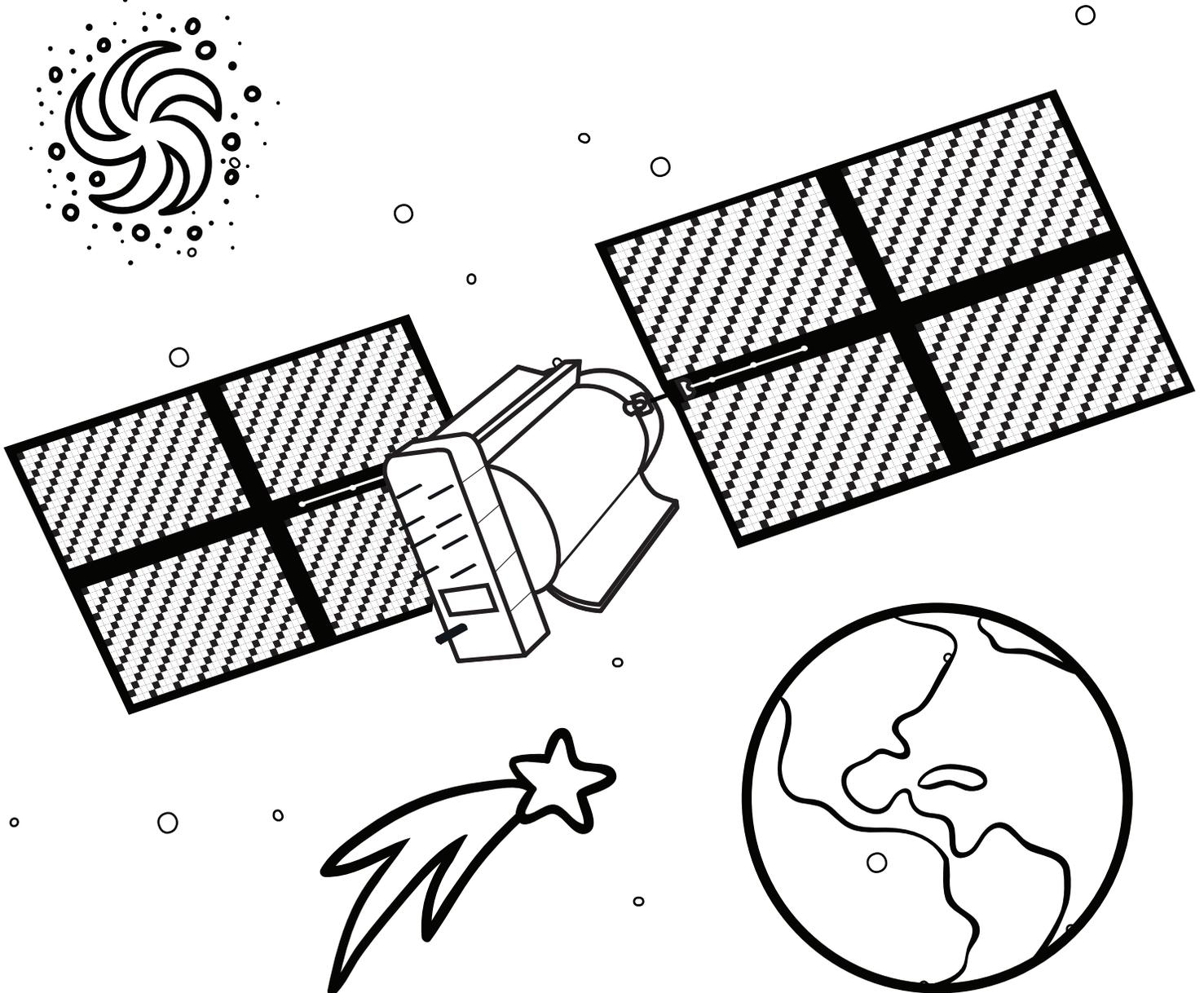
GPS is the United States' satellite group. A GPS satellite looks like this:



# GLONASS Satellites

In Russia, they have the GLONASS satellite group.

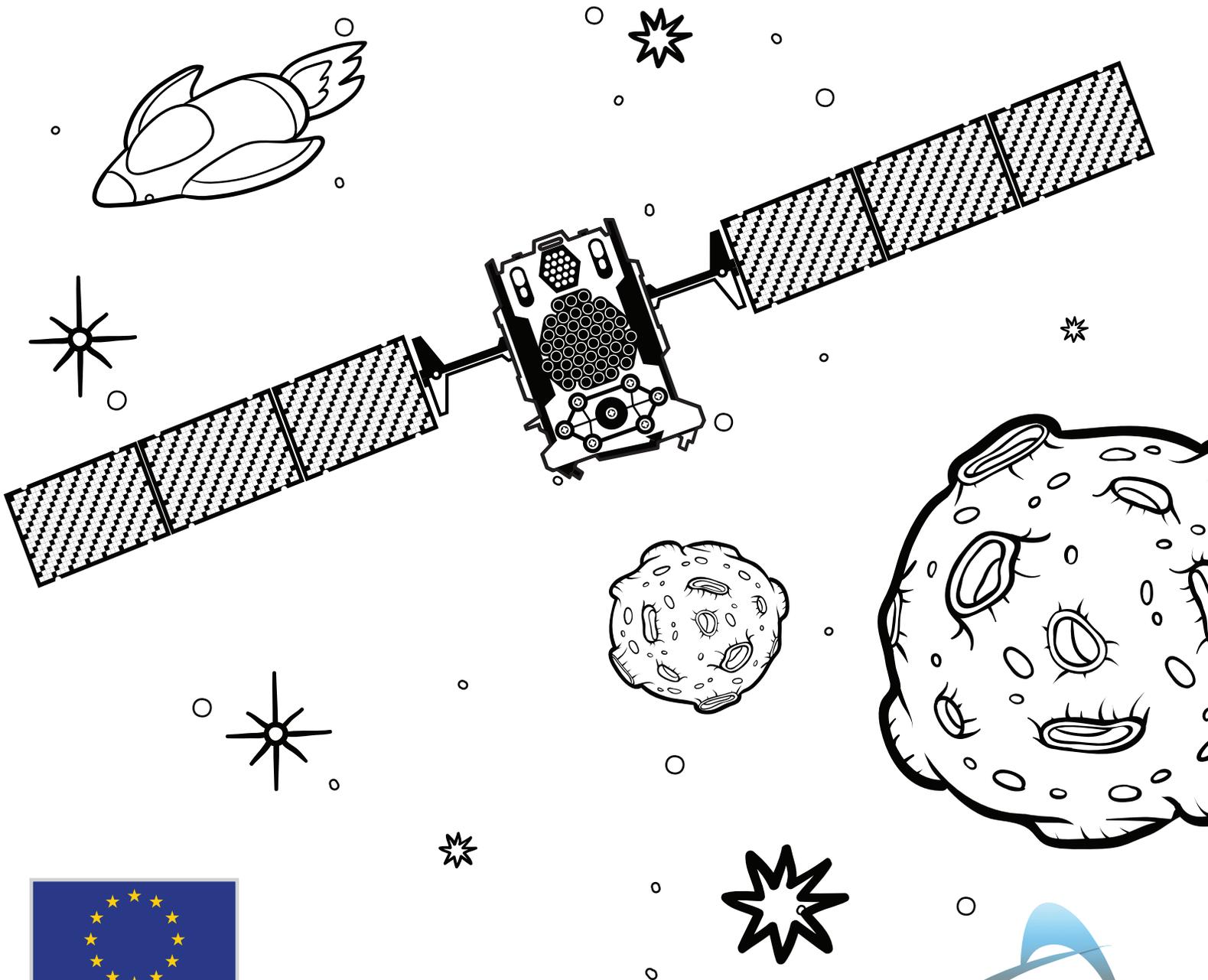
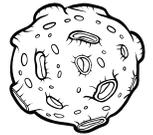
A GLONASS satellite looks like this:



# Galileo Satellites

In Europe, they have the Galileo satellite group.

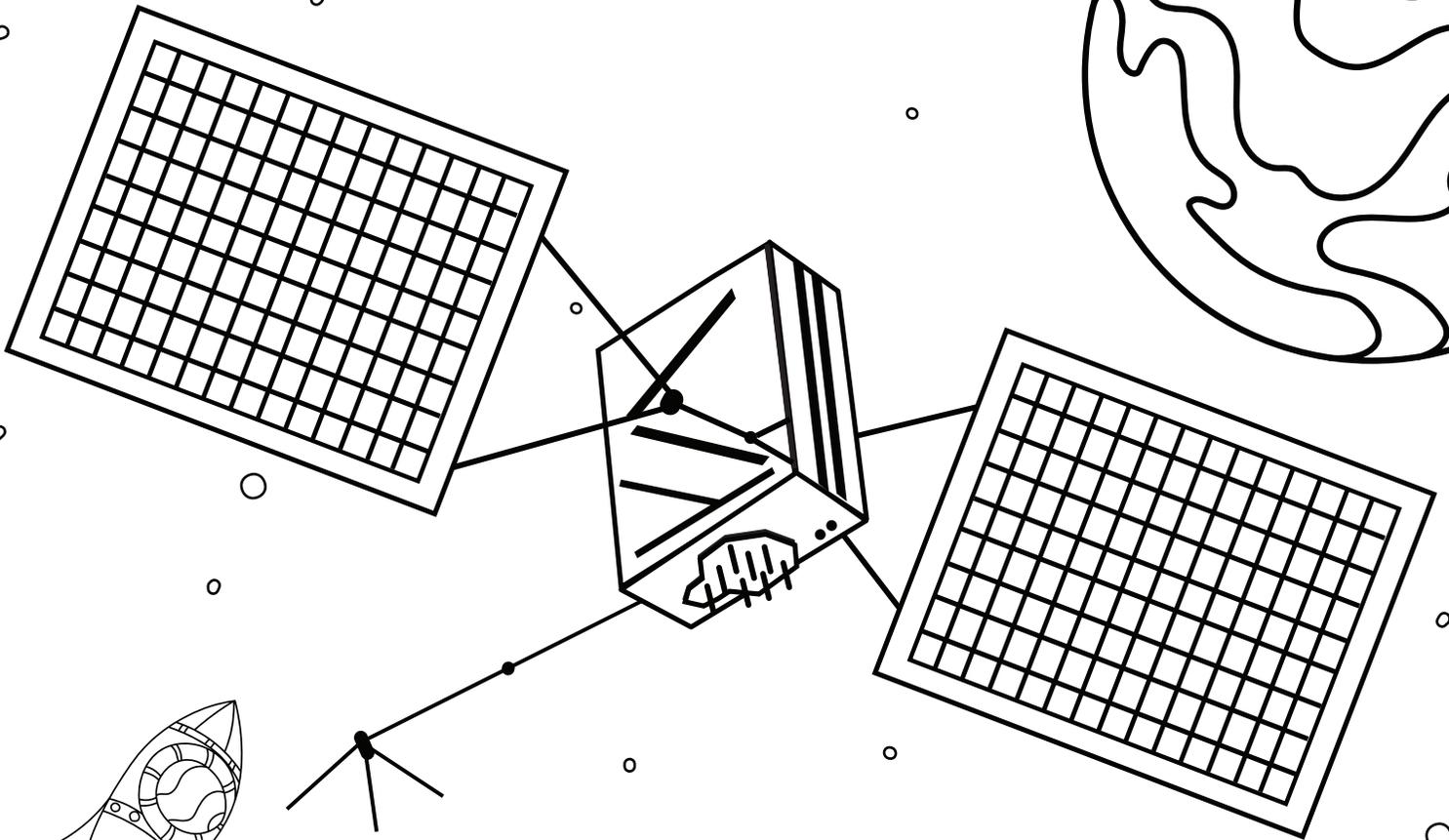
A Galileo satellite looks like this:



# BeiDou Satellites

In China, they have the BeiDou (bay-DOO) satellite group.

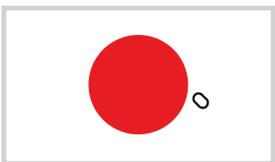
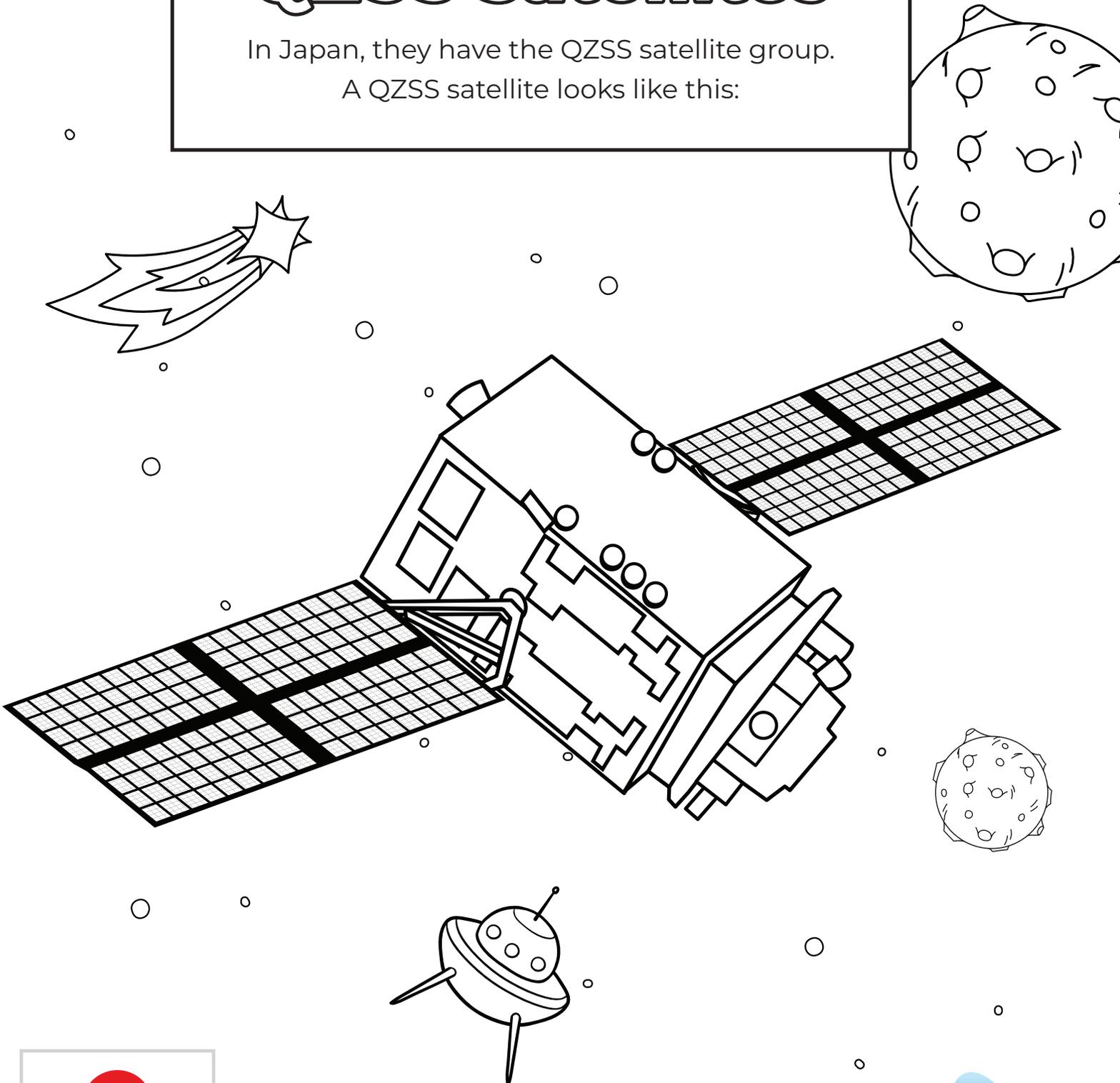
A BeiDou satellite looks like this:



# QZSS Satellites

In Japan, they have the QZSS satellite group.

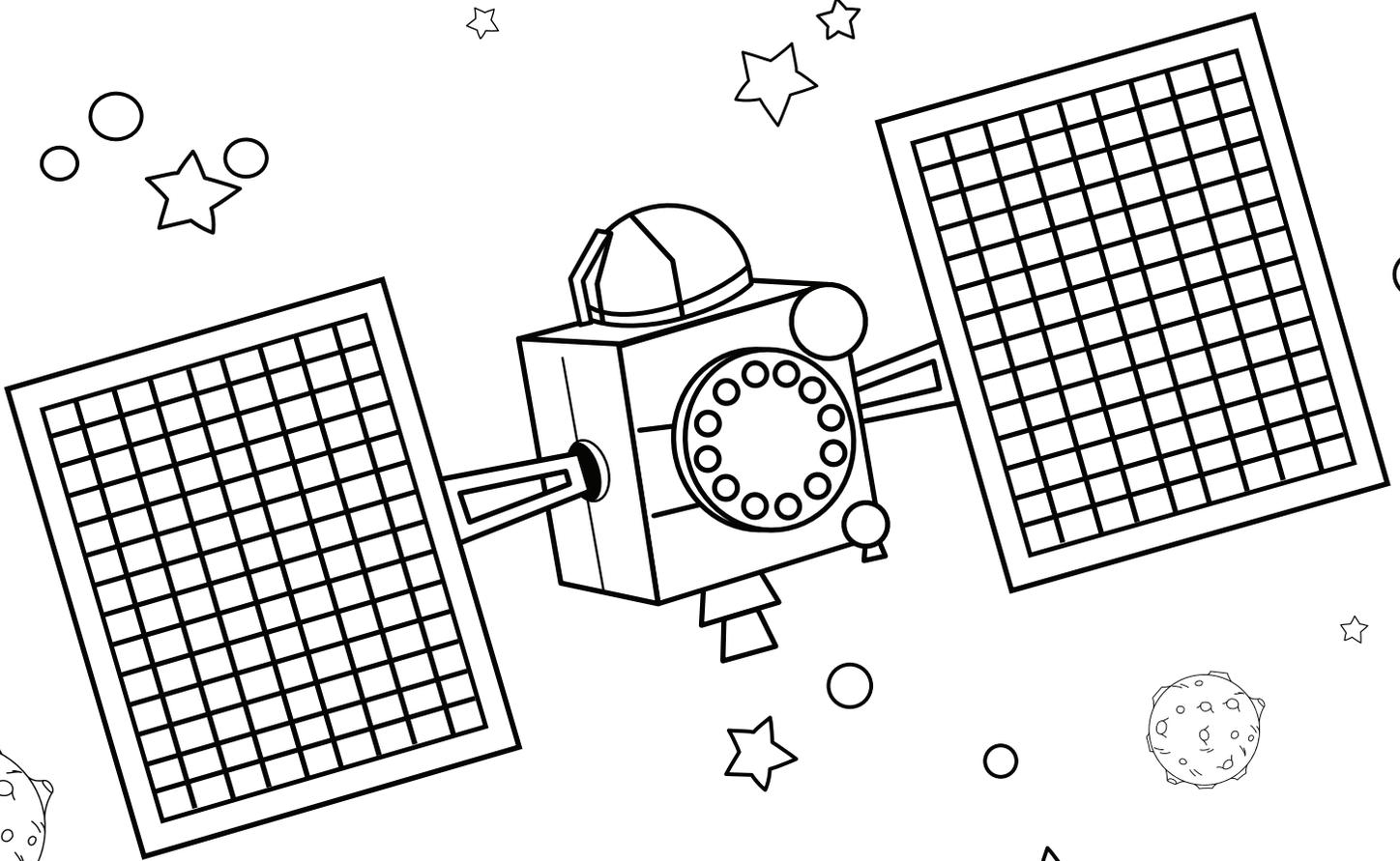
A QZSS satellite looks like this:



# IRNSS Satellites

In India, they have the IRNSS satellite group.

An IRNSS satellite looks like this:



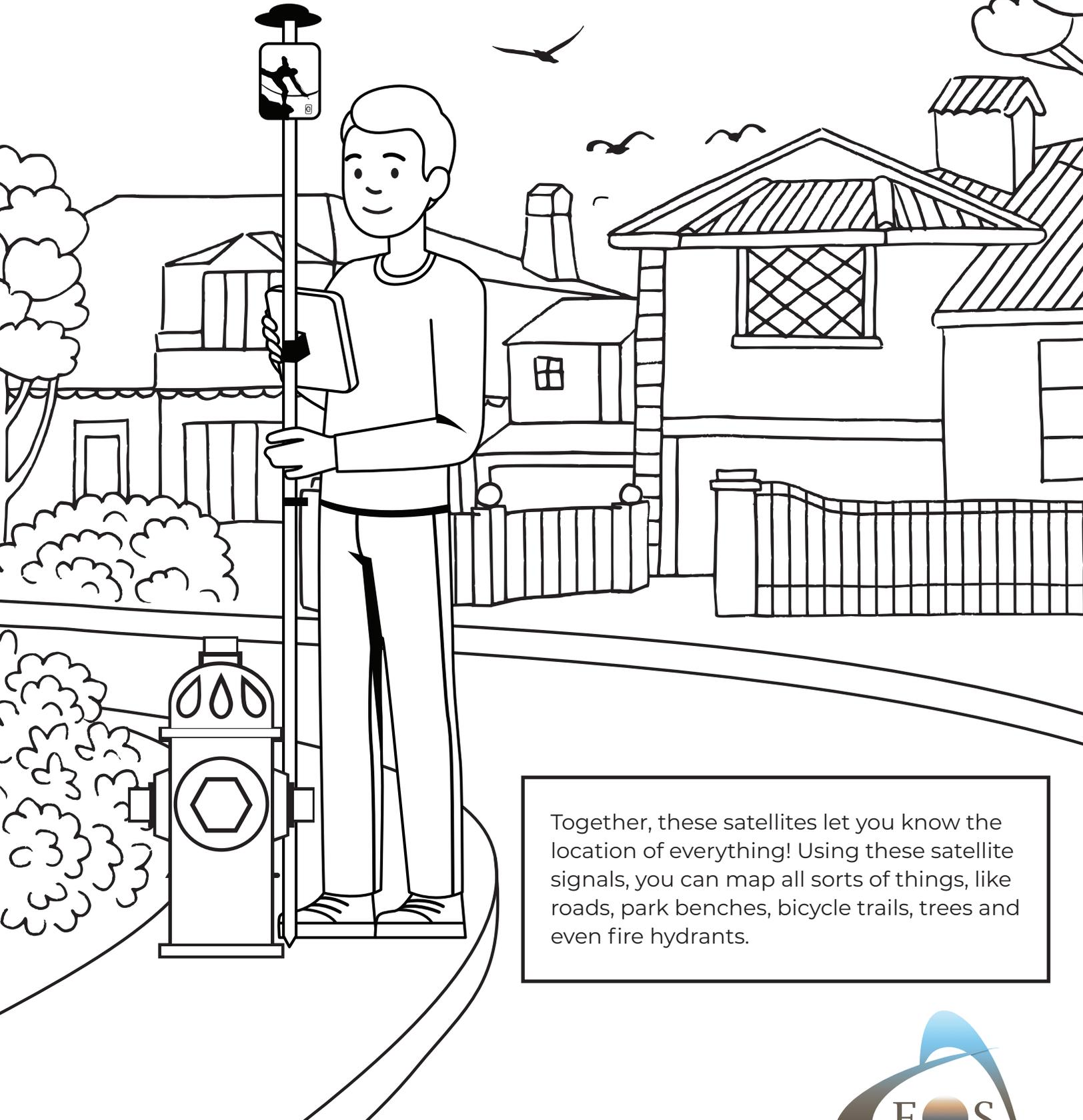


This biker is using the satellite signals to map her favorite bike trail, so everyone can know where the trail goes!



This zookeeper uses these signals to map the enclosures and sidewalks in his zoo. This way, you can find your way around the zoo to all the different animals!

# Location Around the World



Together, these satellites let you know the location of everything! Using these satellite signals, you can map all sorts of things, like roads, park benches, bicycle trails, trees and even fire hydrants.

# Location for You!

You can also use all of these satellites to see where you are exactly on a map on a cell phone! This way, you will never get lost when going somewhere!

