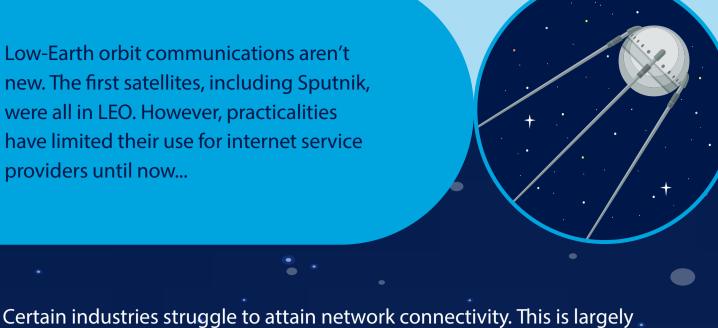
LEO communications and the opportunities for businesses

were all in LEO. However, practicalities have limited their use for internet service providers until now...

Low-Earth orbit communications aren't

new. The first satellites, including Sputnik,



positioned to resolve these issues, as well as supporting businesses in more urban locations. **Benefits of LEO (**(0)

due to the high cost or impossibility of laying fiber to remote locations and

moving objects such as ships and aeroplanes. LEO satellites are perfectly



Earth







businesses, the impressive benefits far outweigh the cost.

The extensive ground equipment required to

maintain an LEO constellation means the service comes at a premium. But for some





111 to 1,242

Most objects orbiting Earth are

located in LEO, including weather and

Space Station, and the Hubble Space

The shorter distance to Earth means

government satellites, the International

miles from Earth.

Aeroplane

Cruising altitude.

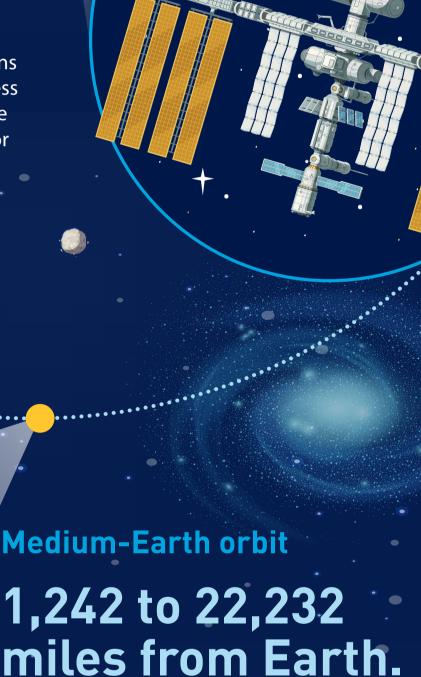
5 to 6 miles

from Earth.

that communication links suffer less path loss, and a reliable link can be established with less power and/or

reduced antenna size.

Telescope.



High-Earth orbit

from Earth

(geostationary orbit)

HEO satellites are so far away that the

22,236+ miles

Primarily used for GPS and other

(PNT) services.

Positioning, Navigation and Timing

signal is vulnerable to time delay and slow data speed. It takes thousands of satellites in LEO to cover an area for internet service. In comparison, it only takes a handful of HEO satellites to serve an entire continent.

Lunar orbit (moon)

from Earth.

238,607 miles





Who stands to gain the most from LEO?









Our expert team is ready to





Tourism

help you navigate the journey to reliable connectivity

explore your options with our postcode checker.

Get in touch with us today to discuss your requirements, or

Get started

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