



# Thales Alenia Space Iridium Next

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*“I am interested in things that change the world or that affect the future and wondrous, new technology where you see it, and you’re like, ‘Wow, how did that even happen? How is that possible?’” – **Elon Musk***



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# Iridium Next

What is it?





# **The world largest constellation of communication satellites**



**81**

Satellites including 15 on the ground or in parking orbit

**100%**

Of the world covered, including the poles and the oceans

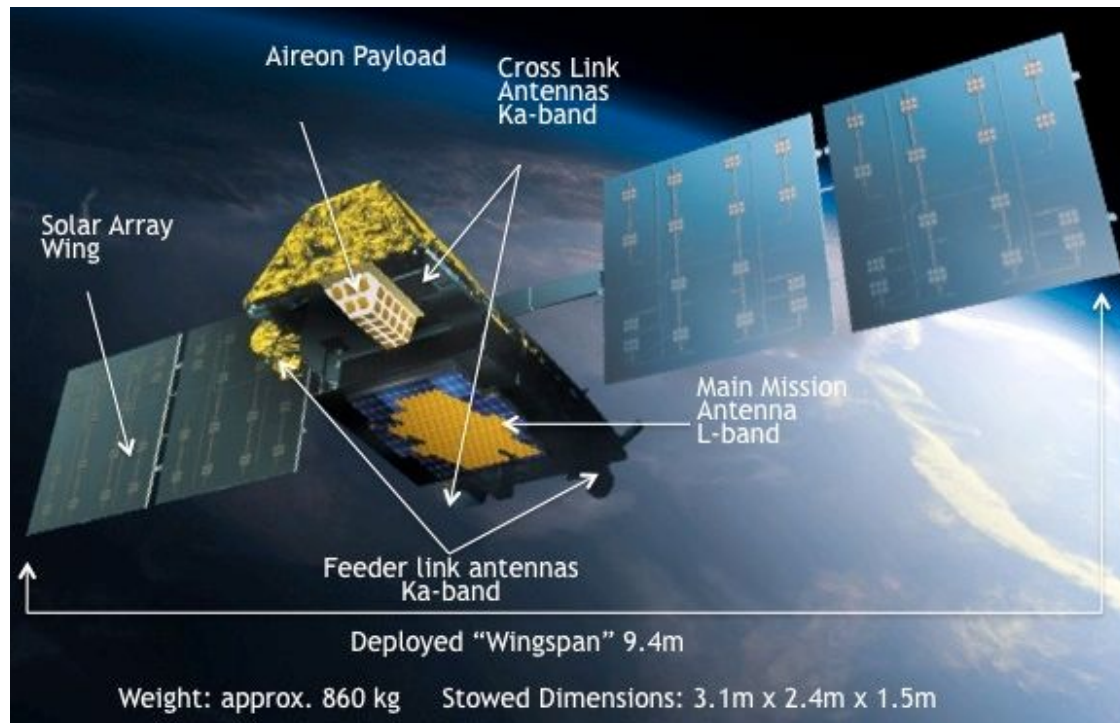
**3 Billions \$**

Project cost

**December 30, 2018**

Date of the last launch

# Spacecraft overview



# Satellite Network Operation Center



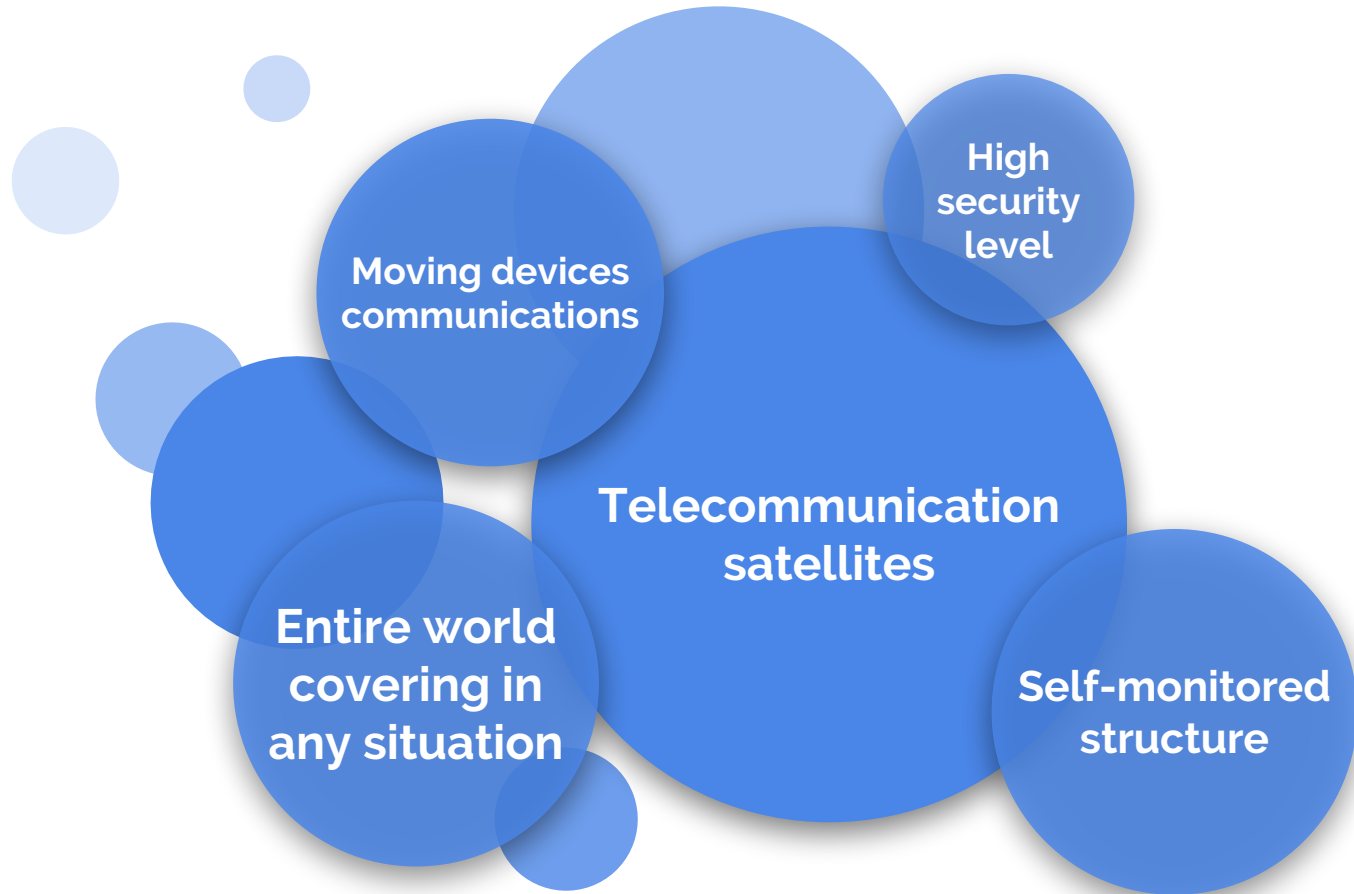
Leesburg (Virginia)

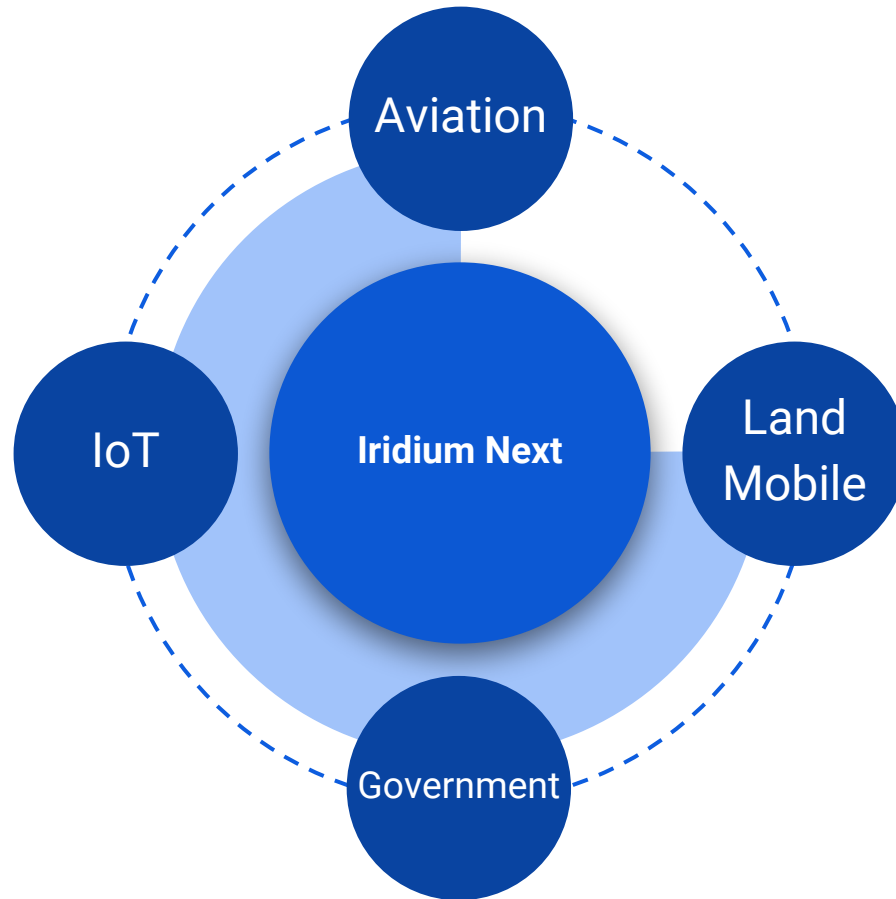


# Iridium Next

Why?



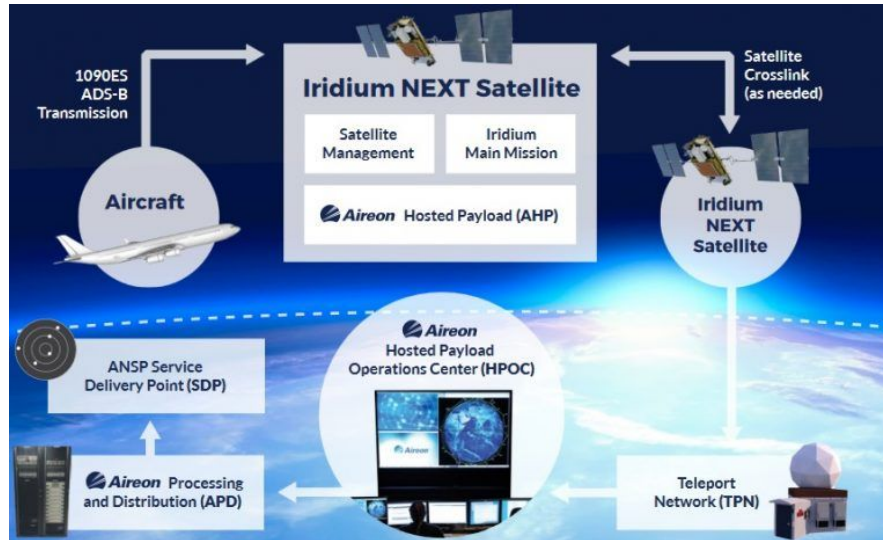




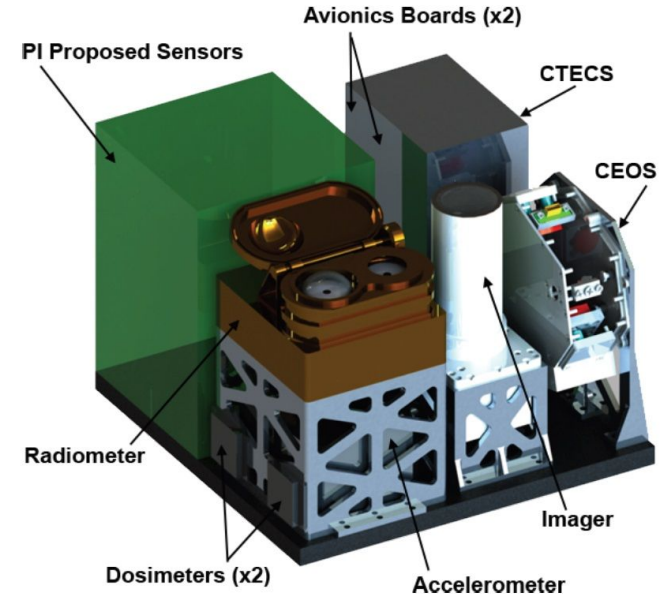
# Hosted payloads



## Global ADS-B



## GEOScan



# Iridium Next

How?



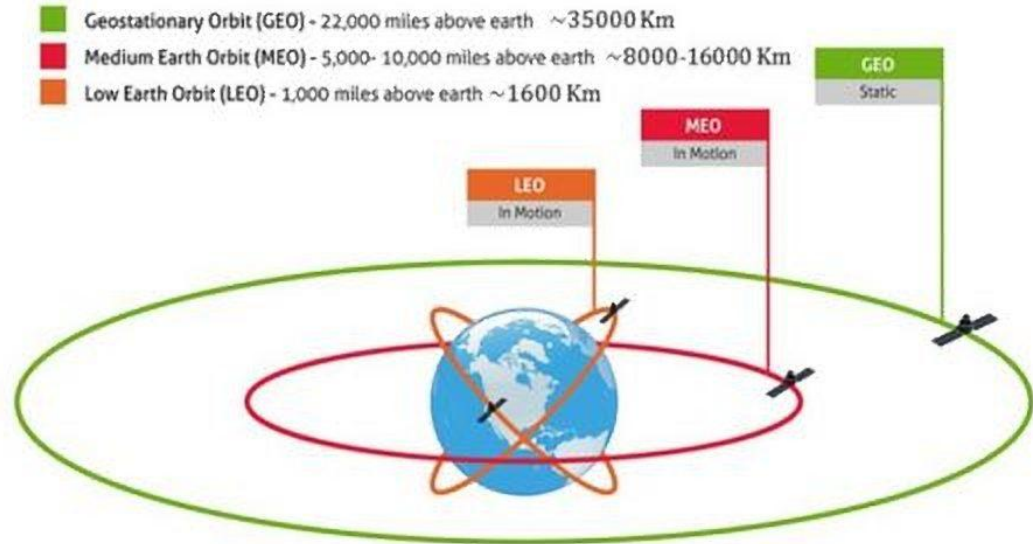


**8 launches over 3 years**



# Satellite orbits

Low Earth Orbit (LEO) is up to 1600 km

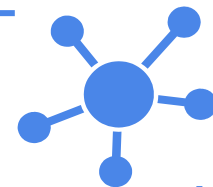


*Note: Not drawn to scale*

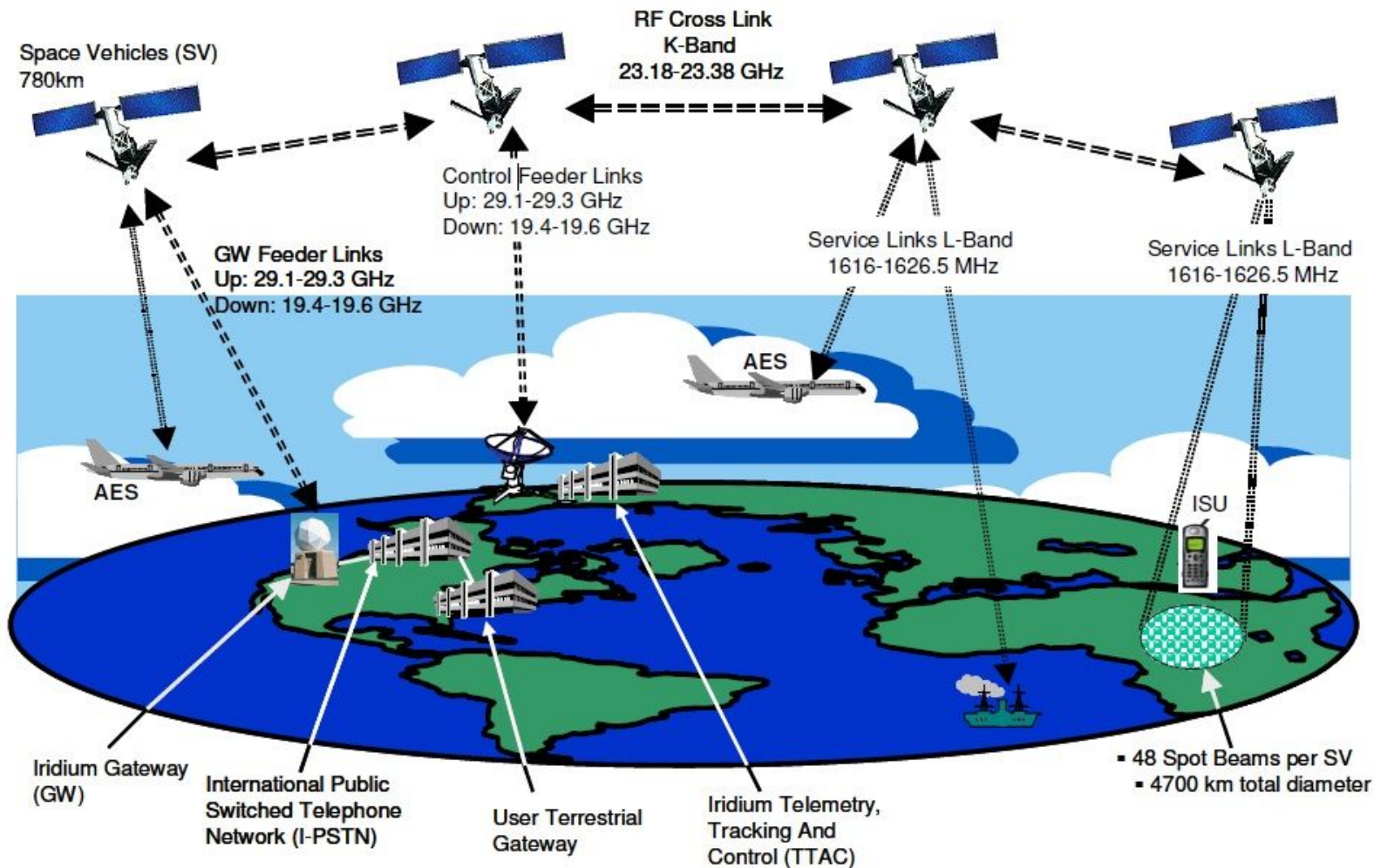
# Slot swap







# Routing



# Conclusion







# Thanks!

Any questions?