



# Thales Alenia Space Iridium Next

“

*“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

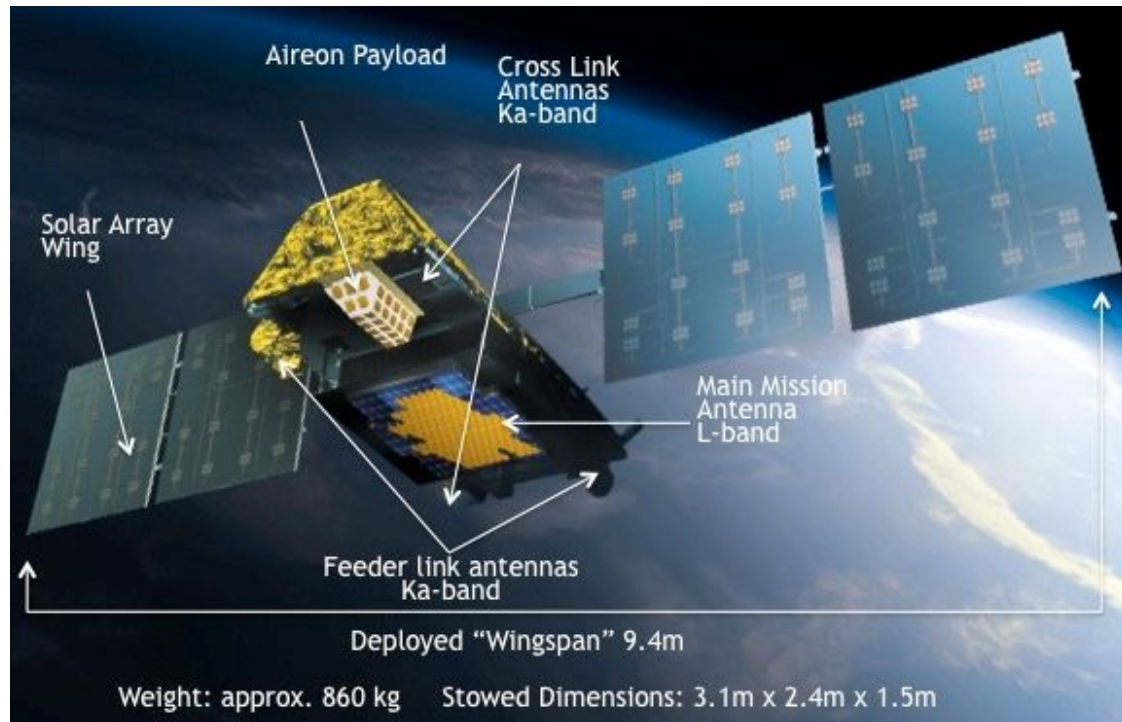
**3 Billions \$**

Project cost

**December 30, 2018**

Date of the last launch

# Spacecraft overview



# Satellite Network Operation Center



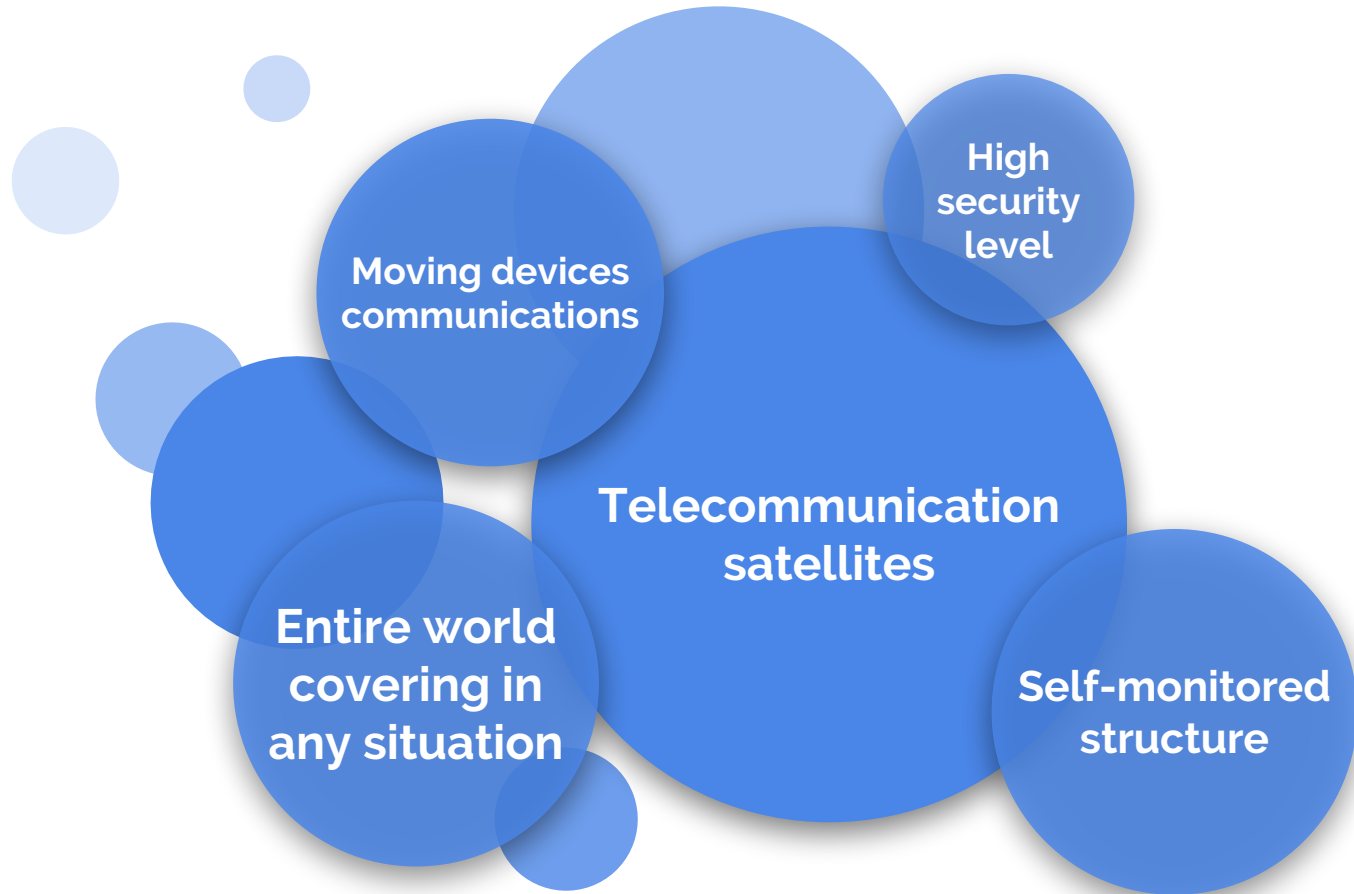
Leesburg (Virginia)

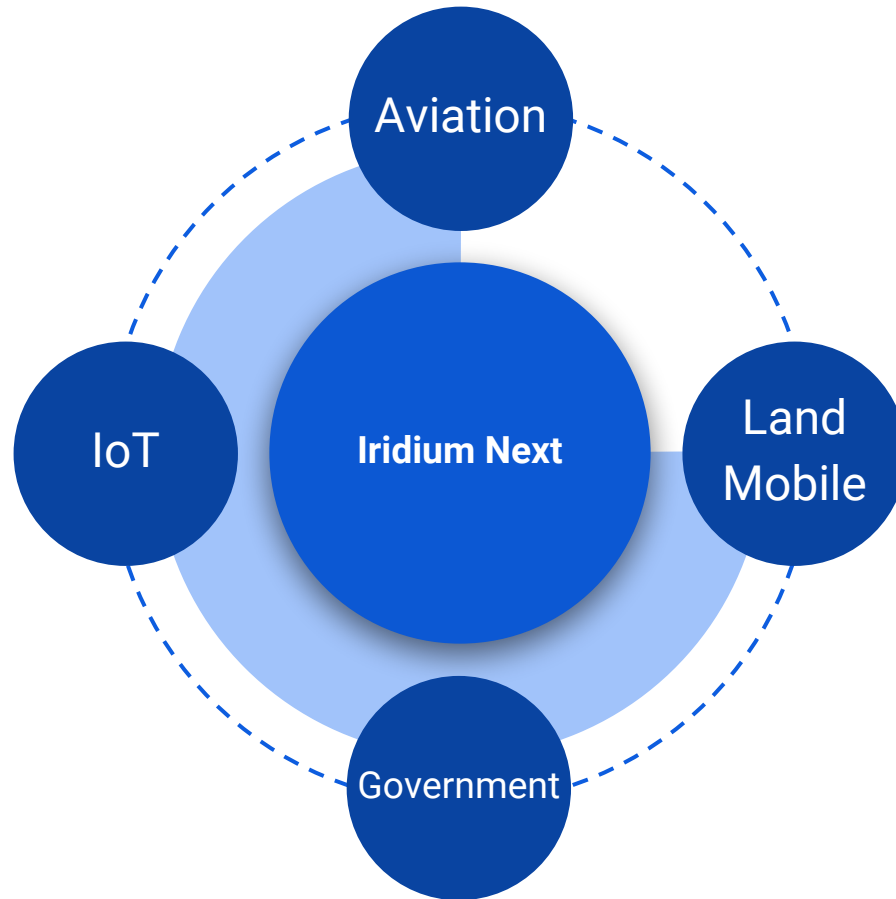


# Iridium Next

Why?



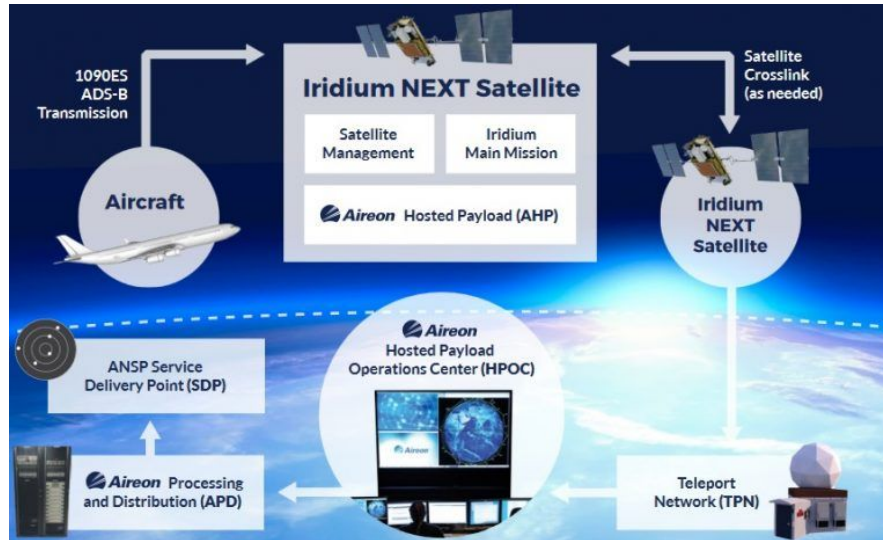




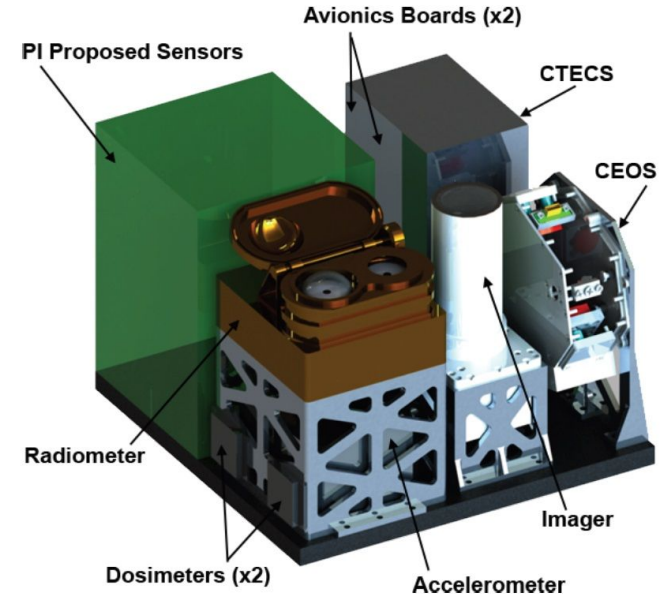
# Hosted payloads



## Global ADS-B



## GEOScan



# Iridium Next

How?



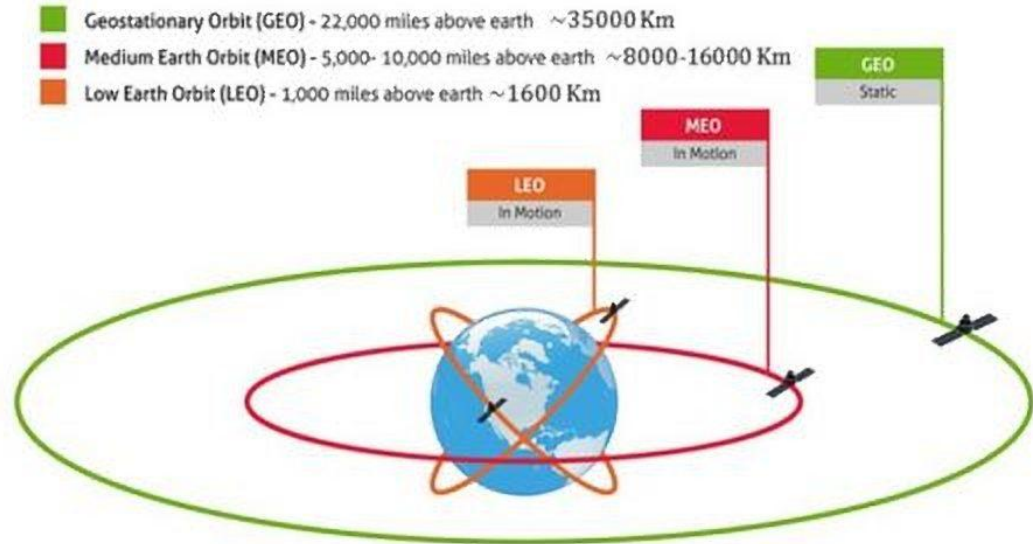


**8 launches over 3 years**



# Satellite orbits

Low Earth Orbit (LEO) is up to 1600 km

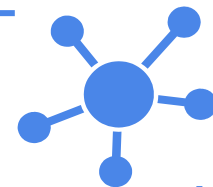


*Note: Not drawn to scale*

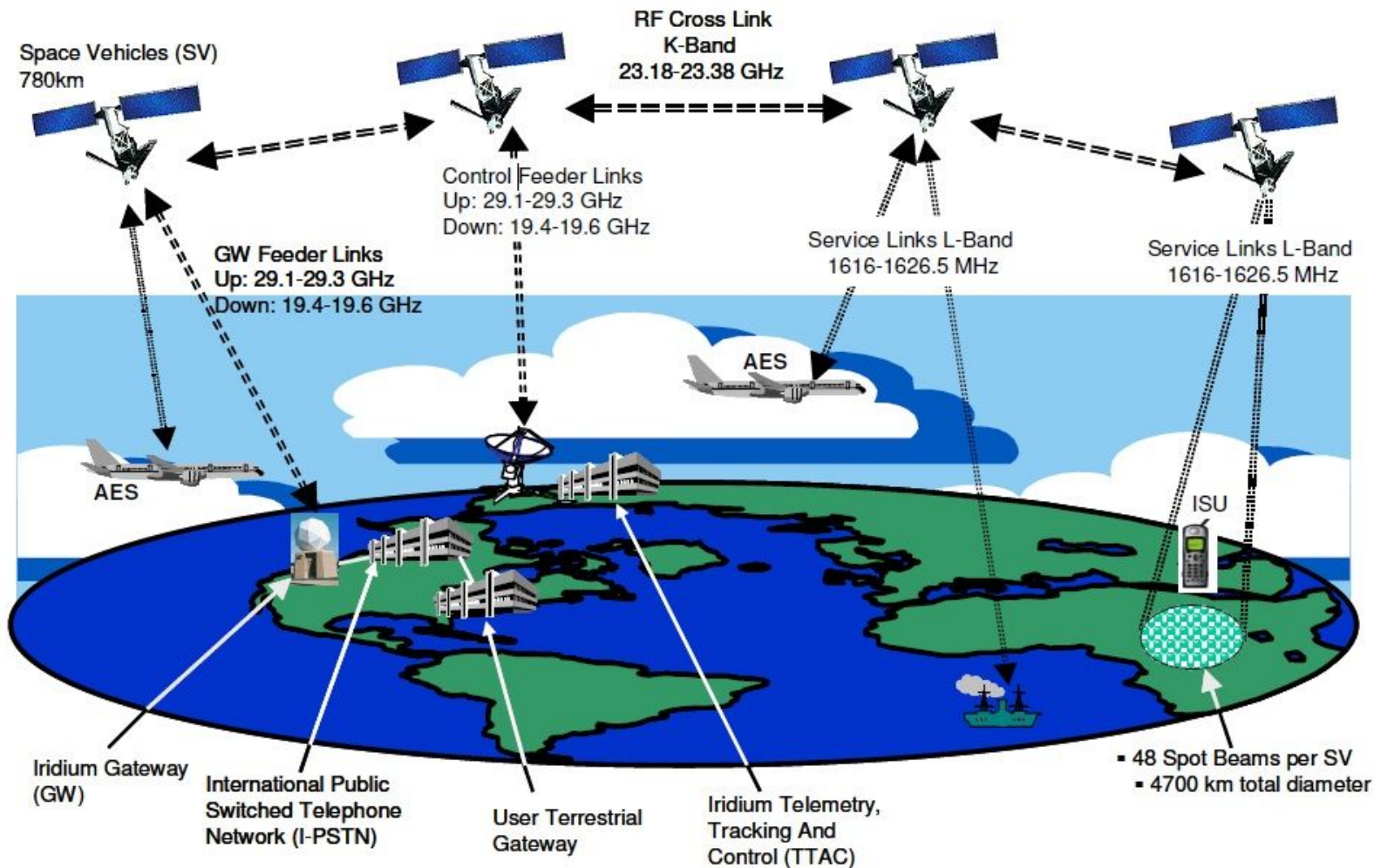
# Slot swap







# Routing



# Conclusion







# Thanks!

Any questions?





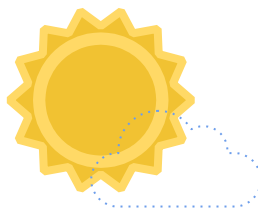
SlidesCarnival icons are editable shapes.

This means that you can:

- Resize them without losing quality.
- Change fill color and opacity.
- Change line color, width and style.

Isn't that nice? :)

Examples:





Now you can use any emoji as an icon!  
And of course it resizes without losing quality and you can change the color.

How? Follow Google instructions  
<https://twitter.com/googledocs/status/730087240156643328>

