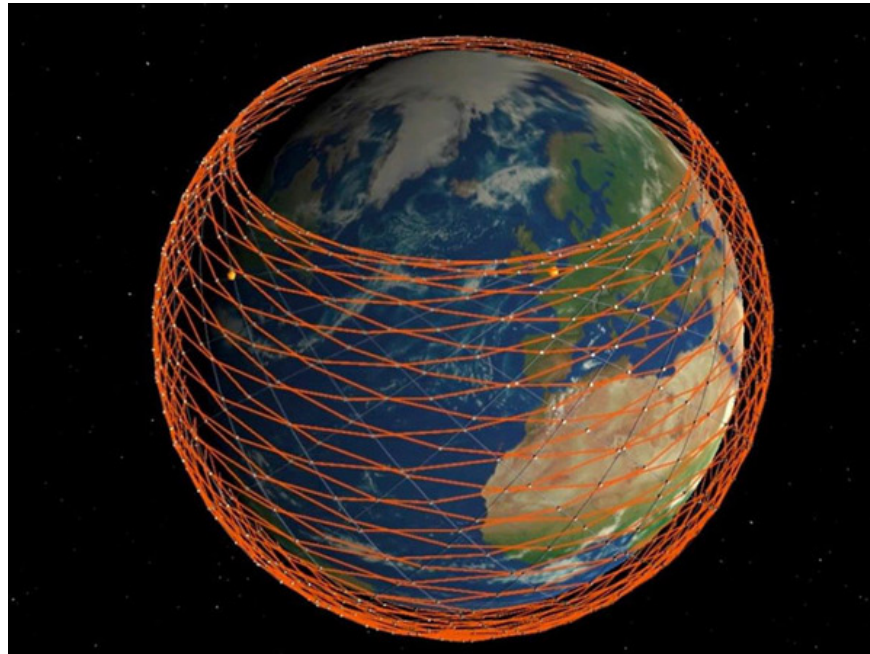


# Elon Musk's global wireless Internet network will kill fiber optic cables

Starlink is a global high-speed wireless Internet network project of nearly 12,000 extraterrestrial satellites (more than 6 times the number of outer space spacecraft) by Elon Musk, SpaceX's CEO.

Starlink is a global high-speed wireless Internet network project of nearly 12,000 extraterrestrial satellites (more than 6 times the number of outer space spacecraft) by Elon Musk, SpaceX's CEO. Starlink is expected to help the network connection on Earth increase by 50% compared to the current optical cable system, but that will make the current global Internet economy affected.



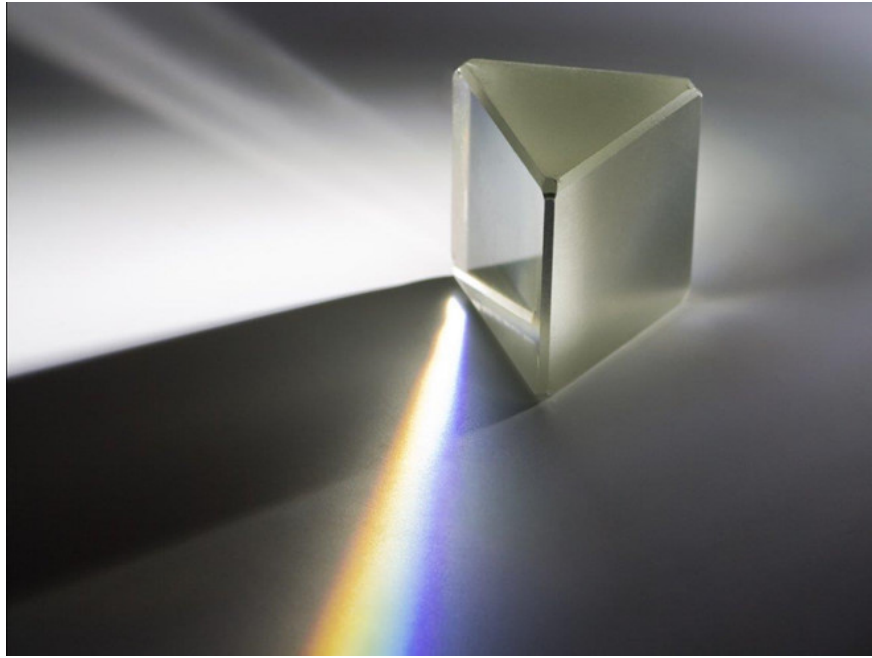
SpaceX will launch the first 60 satellites into space 440 km from Earth, in the same phase as the Falcon 9. Each satellite weighs about 227kg.



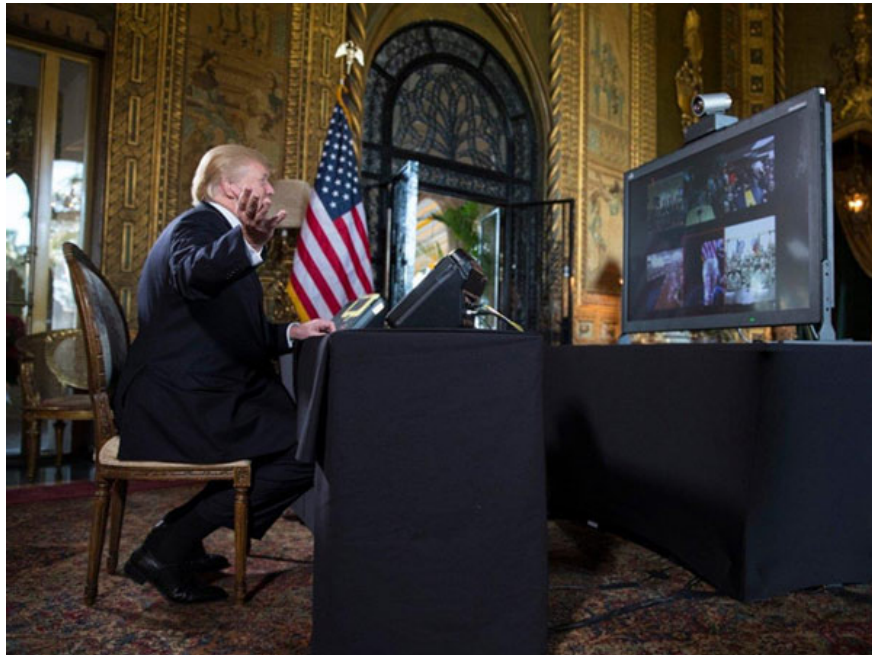
Elon Musk said that "small" Internet coverage will need about 400 satellites, with a 'moderate' wide area of ?? 800 satellites needed. The first phase, SpaceX will deploy 1,600 satellites in orbit. 440km high.



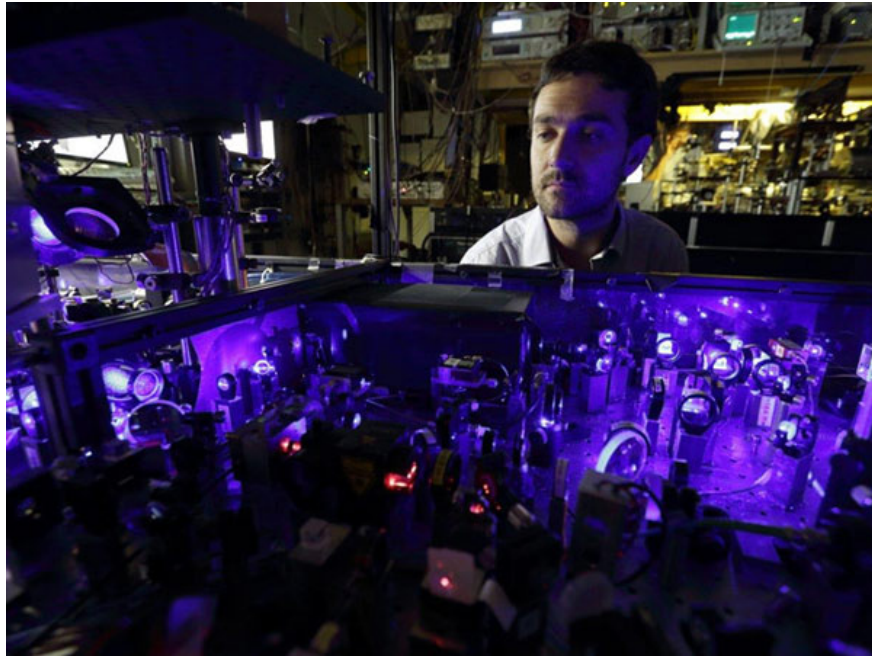
Currently, our data is transmitted through the light of the fiber optic cable, but in remote areas the signal is jittery. In addition, the cost for fiber optic cables is quite expensive.



Compared to conventional fiber optic cable, light travels through space vacuum to 47% faster. Therefore, this space Internet system promises to help solve the major problems of Internet infrastructure today on Earth.



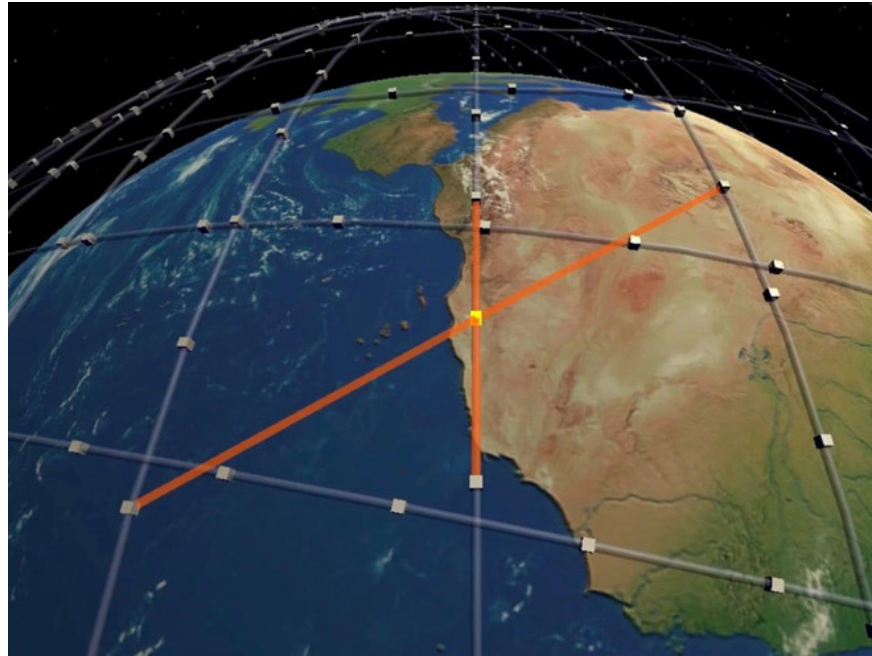
The use of a browser or watching TV is not much affected by the limitations of the current Internet transmission system, but with these weaknesses are evident when conducting long-distance video conferencing or voice calls.



The financial sector is one of the areas most affected by the latency of the Internet. For transfer markets with billions of dollars in a second, those with faster network connections will prevail. Any delay makes businesses pay dearly.



In February 2018, SpaceX successfully tested the first two Starlink satellites Tintin-A and Tintin-B on low-floor orbit. These two satellites are connected to the ground station.



In order to be able to overlay the Internet on the entire surface of the Earth at a speed close to that of light, what fiber optic transmission cannot be achieved, each Starlink satellite will connect with four other satellites via a laser. This special way of operation of Starlink satellites has not appeared before.

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