



# Starlink Project

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Recently, several Starlink satellites were lost due to complex space weather phenomena like solar storms, which were launched by Elon Musk's SpaceX in February 2022.

## **Starlink Project:**

- It is a **SpaceX project**, launched in 2019, to build a **broadband network** with a cluster of thousands of orbiting satellites.
- The **goal of the project** is to create a **low-cost, satellite-based broadband network** that can provide global internet access.
- The **Starlink satellites** will be placed in an **altitude range between 350 km and 1,200 km in Low Earth Orbit (LEO)**.
  - **Reduced latency** between a user seeking data and the server transmitting that data is the key benefit of placing satellites in LEO for space-based Internet.
- **Solar Storms** happen when the Sun emits **large bursts of energy** in the form of **solar flares and coronal mass ejections**. These phenomena send a stream of electrical charges and magnetic fields toward the Earth at high speed.
  - One of the effects of a solar storm striking Earth is the creation of the **“Northern lights”** which are seen in the regions around the Arctic Circle. An adverse effect of solar storms is the **disruption of satellites** and other electronic means of communications.

**Read More:** [Space Internet](#), [Geomagnetic Storm](#)

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