

New LEO Projects: Game Changers and Opportunities

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Abstracts

After a first wave of interest in the mid-1990s followed by several failures at the beginning of the 2000s, LEO constellations are again under the spotlight, with players such as SpaceX and OneWeb showing great ambition. These LEO constellations must bring reduced latency and increased capacity but how does it match with the market demand of today and tomorrow.

How disruptive are LEO constellations and what place could they find in the telecom market.

What makes LEO different from MEO and GEO satellites?

Why would LEO constellations be more successful today than yesterday? What has changed?

Which markets do LEO constellations target?

What place will LEO have in the era of 5G?

What challenges lie in building such constellations?

Who will succeed? Who will have more difficulty?

Low Earth orbit satellite constellations bring both advantages and drawbacks as compared to other orbits. The idea of LEO satellite constellation is not new and there have already been several (failed) attempts at launching such constellations in the past. Both the technology and the markets have changed since then, paving the way for renewed interest. Ambitious projects have emerged but not all will succeed.

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