

Jeff Bezos Predicts Space-Based Data Centers Will Outperform Those on Earth Within 10-20 Years

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Amazon's Jeff Bezos predicts that gigawatt-scale data centers will be built in space within the next 10-20 years, leveraging continuously available solar energy to outperform those on Earth. He also compared the AI surge to the early 2000s internet boom, urging optimism despite the risk of speculative bubbles. Bezos sees space infrastructure as a broader trend to improve life on Earth, with data centers being the next step after weather and communication satellites.

Amazon founder Jeff Bezos has predicted that gigawatt-scale data centers will be built in space within the next 10 to 20 years, leveraging continuously available solar energy to outperform those on Earth. This vision is driven by the growing energy and cooling demands of Artificial Intelligence (AI) and cloud computing on Earth [Jeff Bezos says it's possible to build data centres in space](#)^[1].

Bezos, during a public conversation with Ferrari and Stellantis chairman John Elkann at the Italian Tech Week in Turin, stated, "We will be able to beat the cost of terrestrial data centers in space within the next couple of decades" [Jeff Bezos says it's possible to build data centres in space](#)^[1]. He views this shift as a natural progression following the success of communication satellites and weather satellites.

The potential benefits of space-based data centers include the continuous availability of solar power, which would eliminate the need for cooling systems and reduce energy consumption. However, hosting data centers in space presents significant challenges, including the difficulty of maintenance, upgrades, and the high cost and risk associated with rocket launches [Jeff Bezos says it's possible to build data centres in space](#)^[1].

Bezos also compared the current AI surge to the early 2000s internet boom, urging optimism despite the risk of speculative bubbles. He stated, "AI is in an 'industrial bubble,' but the benefits to society will be 'immense'" [Jeff Bezos says it's possible to build data centres in space](#)^[1]. He emphasized that the benefits of AI are expected to be broadly diffused and transform every industry globally.

The shift to space infrastructure is seen as a broader trend to improve life on Earth, with data centers being the next step after weather and communication satellites. This infrastructural shift is driven by the demands of AI and repositioning the space industry to focus on crucial Earth-bound services [Amazon founder Jeff Bezos predicts that data centers will shift to space within 20 years^{\[2\]}](#).

