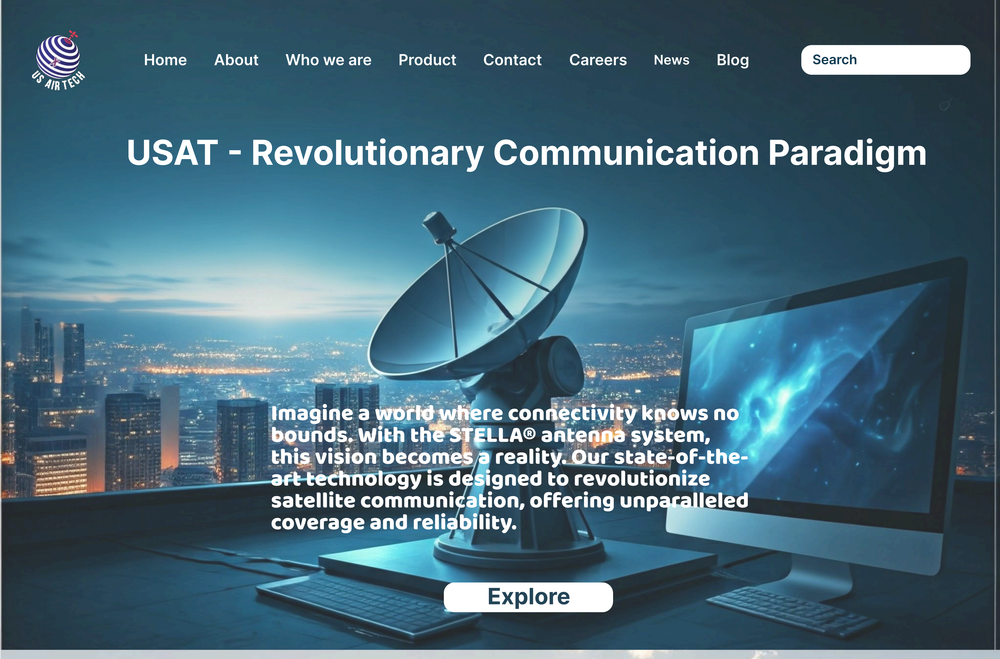
USAT - Revolutionary Communication Paradigm



Imagine a world where connectivity knows no bounds. With the STELLA® antenna system, this vision becomes a reality. Our state-of-the-art technology is designed to revolutionize satellite communication, offering unparalleled coverage and reliability.

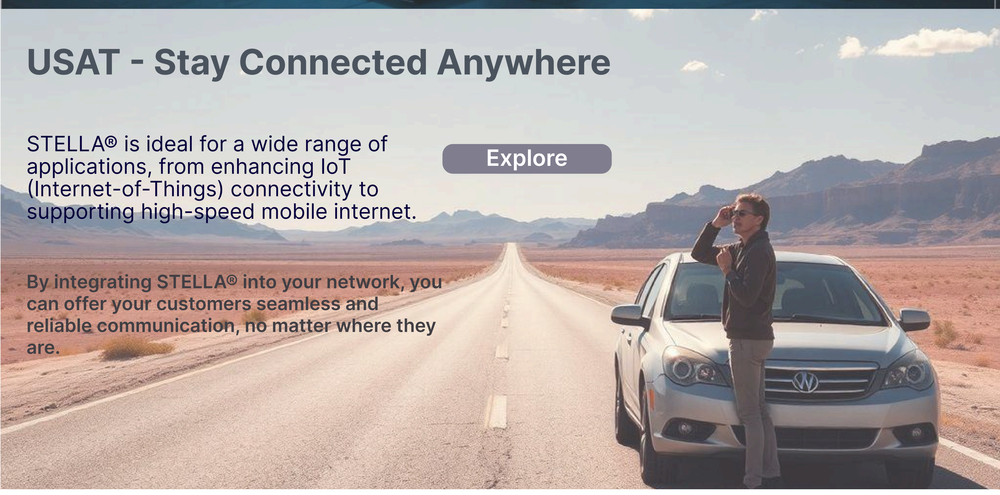
Explore

USAT - Stay Connected Anywhere

STELLA® is ideal for a wide range of applications, from enhancing IoT (Internet-of-Things) connectivity to supporting high-speed mobile internet.

Explore

By integrating STELLA® into your network, you can offer your customers seamless and reliable communication, no matter where they are.



Our Research

High Performance

USAT's technology will deliver connectivity performance in 1000s of Gb/s (Tb/s) and higher bandwidth in Tb. This antenna technology has not been commercially demonstrated yet and not currently available on the market.

Best Connectivity

USAT 5G antenna design will provide a connectivity to Satcom and urban mobile phone/internet in compliance with the 5G technical requirements.

Dedicated Team

USAT's dedicated team counts talented scientists, engineers, professionals from various expertise to deliver unique solution in Satcom and 5G mobile phone applications.

Awards and Nominations

USAT won in Dec 2020 the US Government's competitive and coveted NSF – National Science Foundation – award for the R&D (Research and Development) of its Satcom antenna invention of STELLA (Satcom Technology of Elaborate Luneburg Lens Antenna).

USAT won the Optics Valley 2021 prize of Best Arizona Technology of IdeaFunding 2021 competition

USAT's Founder, Dr. Gbele's proposals were selected twice (2018 and 2019) during the first 2 competitions of the US Army Expeditionary Technology Search - xTechSearch - launched in 2018.

Dr. Gbele won US Army SBIR (Small Business Innovation Research) Phase-I in Jan 2019. Proposal was an invention to close a technical gap and improve tactical capability.

US Air Tech dba USAT is an innovative technology company that is breaking into the satellite communication space with an IP protected new approach in Satcom antenna development and a new concept in the receiver module.