Company Overview

Vanu, Inc. creates solutions for places that do not have good coverage today. Every operator would like to color in the whole coverage map. The only reason they do not is that current technology does not make it cost effective to provide coverage in many areas such as inside of buildings, in rural areas, in tunnels, and on ships. Vanu's solutions combine technology and business model innovation to reduce the total cost of ownership of wireless networks.

The company grew out of groundbreaking research in software radio at MIT and was founded in 1998. Vanu is developer of the Anywave® Base Station. Anywave was the first commercial Radio Access Network (RAN) product to simultaneously support multiple cellular radio standards on the same platform and the first U.S. Federal Communications Commission (FCC)-certified software defined radio.

Vanu is headquartered in Lexington, MA, with two offices in India located in Gurgaon and Bangalore, and an office in Kigali, Rwanda.

Reducing Total Cost of Ownership
The primary barrier for creating new coverage is the operating cost of the network, not the capital cost. For example, in rural areas, the revenue per cell site is lower and the cost of operating the network is often higher due to the need for diesel generators for off grid sites. Similarly, the cost of the building lease and connectivity for in-building coverage solutions is often greater than the incremental revenue potential from in-building traffic. By combining innovations in technology, network architecture, and business model, Vanu creates comprehensive solutions that enable operators to cost effectively cover areas that they have not been able to address to date.

A Reputation for Innovation and Industry Firsts
Vanu has a proven track record of developing industry firsts and taking them forward into live networks, showcased by its development of the first productized software Radio Access Network. Vanu has achieved many industry firsts along with the approval of multiple patents.

- In 2003, it debuted the first GSM base station with all signal processing performed entirely in the software, followed by FCC certification in 2004.
- In 2006, Vanu successfully demonstrated the first GSM/CDMA/iDEN base station followed by the world's first commercial deployment of a dual-standard GSM/CDMA radio access network.
- In 2012, Vanu deployed the first zero-OPEX in-building coverage solution in India.
- In 2013, Vanu launched the first multi-standard wholesale coverage network through its subsidiary, CoverageCo, in Vermont.
- In 2014, Vanu deployed the first successful cellular suppression system that prevented the use of illicit cellphones in prisons on all cellular frequencies and standards.
- In early 2016, Vanu began construction of the first solar-powered, wholesale network in Rural Rwanda that will cover 1 million people who do not have any connectivity today.