

Will telecommunication towers be phased out



Overview

□ Li-Fi, space-based broadband, and quantum photonics will render millions of ground-based RF towers obsolete. Much like the VCR, fax machines, and dial-up internet, today's microwave radiation-based telecom networks will soon be replaced by superior, safer technology. Globally, 3G network discontinuity is moving forward and many countries have plans to shut it down by 2027, most major North American operators have already completed 3G shutdown. North America: AT&T 3G shutdown, Verizon and T-Mobile 3G connection have discontinued in February 2022. The Canadian. As we shared in the blog post, 4G to 5G: How Long Will 4G LTE Be Available, a key reason for network shutdowns is that the carriers have limited spectrum available for expansion. Sounds easy, right?

Just switch off and walk. Mobile Network Operators (MNOs) are shutting down 2G and 3G networks (sunsetting) for a number of reasons: 2G and 3G networks are now outdated technologies and networks need modernisation. 4G, 5G and soon 6G are the next evolution of cellular networks and offer optimised options including faster. The European Commission is stepping up efforts to bolster the security of Europe's telecommunications networks by urging member states to phase out equipment from vendors such as Chinese tech giants Huawei and ZTE from its 5G and next-gen networks, Bloomberg reported, citing anonymous sources. 5G is not a vehicle for the replacement of existing cell towers, but rather a means for improving their value and necessity. There are approximately 300,000 cell sites.

Article Content

FCC Warns Users to Plan Ahead for 3G Phase Out

3G, which was launched by NTT DoCoMo in 2001, has reached the end of its life, and mobile carriers are shutting down their networks to make room for more advanced network services,

[Press Release Page](#) | [Press Information Bureau](#)

c) LWE- Phase-II: Till Dec.2024, survey for 2544 tower locations have been completed and survey for remaining locations is in progress. After physical survey, 1,335 locations have been

Germany to Strip Huawei From Its 5G Networks

First, use of Chinese-made critical components will be discontinued from core parts of the country's 5G networks by the end of 2026. Then, the parts

[EU considers law to phase out Huawei and ZTE](#)

The European Commission is stepping up efforts to bolster the security of Europe's telecommunications networks by urging member states to

Challenges and Solutions in Tower Site Decommissioning: What

Sometimes, due to technology upgrades, urban expansion, lease issues, or cost inefficiencies, telecom operators must decommission — or shut down — certain tower sites.

[Phone companies planning to remove landlines — why](#)

Phone companies are moving to cut the cord with wired telephone landlines in a move to transition to advanced technology. Earlier this month, the

[Towers recent news](#) | [Telecoms](#)

Helios Towers made a strong start to 2026 and with plenty of new custom waiting in the wings it has upped its full-year guidance by a significant

[2G, 3G, 4G LTE Network Shutdown Updates](#) | [Digi International](#)

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Are Rural Cell Towers Becoming Obsolete? A Shift

The telecommunications industry is at an inflection point, with satellite technology poised to supplement or even replace rural cell towers in certain

[The Imminent Collapse of Traditional Telecom Networks: Why RF](#)

Li-Fi, space-based broadband, and quantum photonics will render millions of ground-based RF towers obsolete. Much like the VCR, fax machines, and dial-up internet, today's

The Phasing Out of 2G and 3G Networks: What It

Telecommunication networks have evolved rapidly over the past few decades. With the rise of 4G and 5G technologies, the legacy networks— 2G and 3G —are

Tower and Antenna Siting

Building a new tower or collocating an antenna on an existing structure requires compliance with the Commission's rules for environmental

Tanzania accelerates towers rollout project amid 2G phaseout

DAR-ES-SALAAM, (CAJ News) - TANZANIA is spending Sh9,14 billion (US\$3,5 million) to upgrade telecommunication towers from 2G to 3G and 4G. This is part of a major site project

2G 3G Sunset: Shutdown dates and strategies

2G and 3G sunset is coming. Operators are shutting down these networks to free up frequency bands for 4G and 5G. Find out when carriers will

7 Biggest Challenges Facing Telecom Infrastructure in

Explore the 7 biggest challenges telecom infrastructure faces in 2025 and discover practical solutions to stay ahead in the industry.

The Global Decommissioning of 2G and 3G

The global shutdown of 2G and 3G networks has been a long-anticipated shift in the telecommunications landscape. Across the world, mobile

Fahmi: Over 2,000 new telco towers under Jendela

KUALA LUMPUR (March 25): A total of 2,395 new telecommunication towers out of the planned 3,884 under the National Digital Network (Jendela) have been

The global 3G sunset and its effect on IoT connectivity

As 3G networks are shutting down worldwide, industrial businesses face a pivotal moment. Whether operating smart infrastructure, remote device

3G network phase-out: essential information for cellphone users

Timing of the phase-out The timeline for 3G phase-out varies by mobile service provider. Some providers have already completed their phase-out, while others have made public

When Will 4G Be Phased Out

Discover the timeline and plans for phasing out 4G technology and transitioning to 5G. Stay ahead of the curve in the fast-evolving world of mobile

Australia's 3G network is shutting down. Here are the

Vodafone, Telstra and Optus have officially closed up shop on Australia's 3G network. Here's what will stop working from Monday.

Grasping the telecommunications infrastructure opportunity

It is easy to overlook the telecommunications infrastructure that powers modern life, but little could function without it. For decades, this asset class has been a growth opportunity, with

Will Satellites Replace Cell Towers? How Satellites

Will Satellites Replace Cell Towers? The telecommunications industry is undergoing a period of rapid evolution. With the emergence of next

Plan Ahead for Phase Out of 3G Cellular Networks and Service

Plan Ahead for Phase Out of 3G Cellular Networks and Service If your mobile phone is more than a few years old, you may need to upgrade your device before your mobile provider shuts down its 3G

3G network switch off | Department of Infrastructure, Transport ...

Australia's 3G networks have now been switched off Telstra, Optus and TPG Telecom made commercial decisions to switch off their 3G networks in January 2024 (TPG Telecom) and November 2024

Latest 2G and 3G Network Shutdown/Sunset Updates

When will 4G be phased out? The good news is that 4G LTE is not going anywhere soon. 4G LTE is widely available and perfectly adequate for

Still love your landline? Phone service providers are

More people who are still using telephone landlines will soon need to decide if they want to finally hang up on their service.

Towards greener telecommunication towers: A framework for "LEED

An ever-increasing number of telecommunication towers may have negative impacts on the environment because of the use of diesel, not environmentally friendly materials or the waves emitted to the

Landline service shutdown by FCC Order 19-72: What You Need to

When will landlines be phased out? On August 2nd, 2022, copper-wire landlines will start to phase out. In response to the FCC Landline Shutdown Order 19-72, traditional landline service

NTC to phase out 3G by 2026, pushes telcos toward

The National Telecommunications Commission (NTC) has announced plans to fully decommission 3G mobile networks nationwide by

CNBC Report - Cell Towers May Become Obsolete?

One of the most frequent questions Vertical Consultants receives is “Will 5G make cell towers obsolete?” The quick answer is “No”. 5G is not a

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