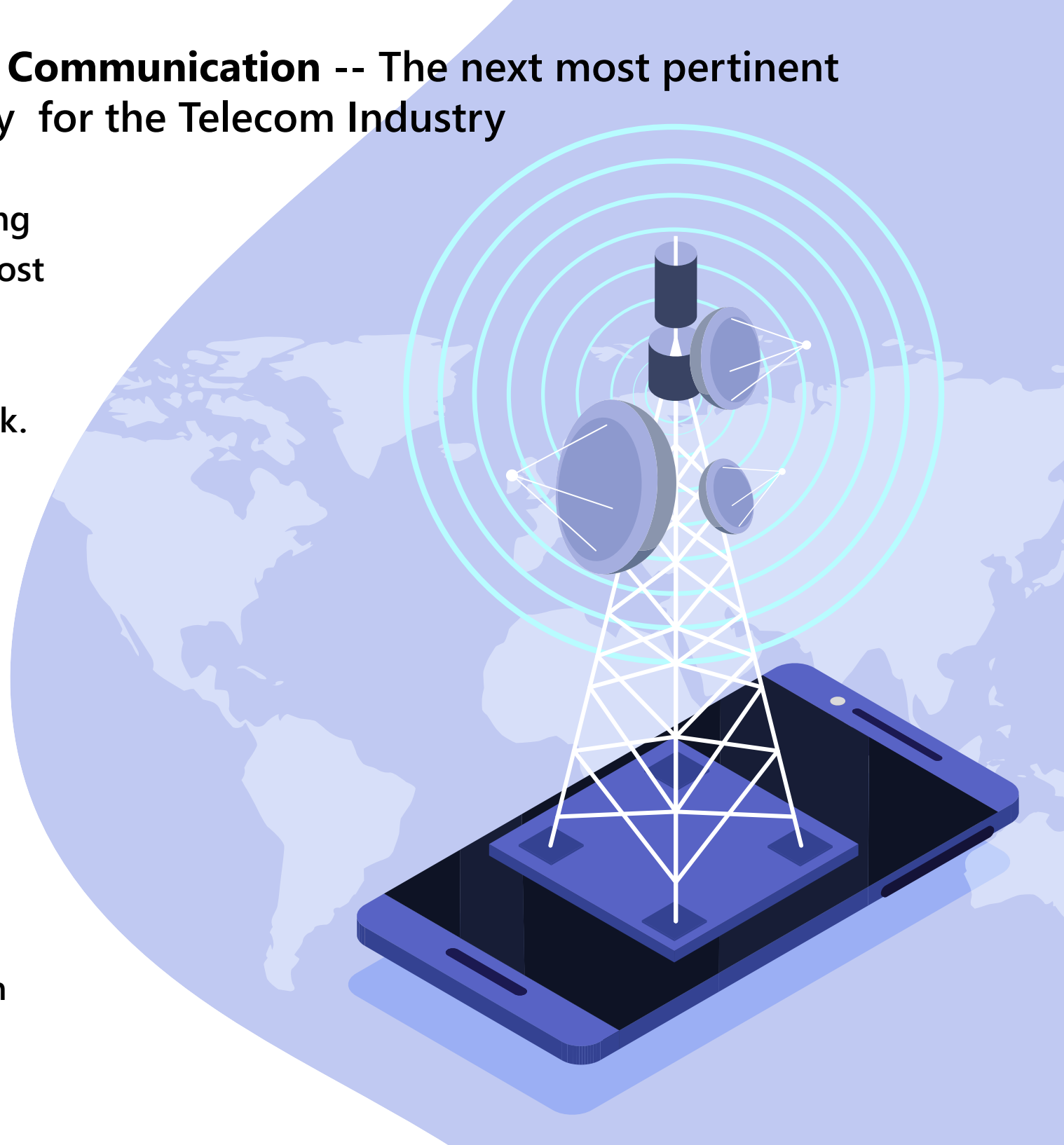
iLink Digital

Advanced Communication -- The next most pertinent technology for the Telecom Industry



Communications and its ever-strengthening connection to mobility has become the most significant development of telecommunications; allowing people to juggle daily schedules, home life, and work. This insatiable societal demand for connectivity will require significant advancements in communication

> As per Gartner's report, spending on communication services will grow at 4.8 percent in 2021 as compared with a 4.9 percent increase in 2020.

Here are the 5 advanced telecommunication trends for 2021.

5G Networks

5G will Be Up to 100 Times Faster Than Current 4G Technology

The 5th generation network will provide -

- Greater speed to move more data
- Decreases latency for shorter load times
- Increases the ability to connect more devices at once.

5G Network: General Statistics

- By **2024** the number of 5G mobile subscriptions is forecast to rise to around **1.9 billion worldwide.**
- Gartner predicts, **$4.2 billion** will be spent on 5G wireless network infrastructure worldwide. That would be a **$2 billion** increase (up from $2.2 billion) from **2019** spending, according to the research firm.

- Gartner even predicts that 5G mobile phones' market share will grow rapidly from **12% to 43% in 2022.**

- The AJ Paulraj Steering Committee on 5G predicted the economic impact of 5G to be over **$1 trillion by 2035.**

- The overall 5G IoT endpoint installed base is forecast to grow from **3.5 million** in 2020 to around **49 million in 2023 worldwide.**

Internet of Things

"By 2026, telecoms can get $1.8 trillion in revenue by tapping into the IoT services market."

IoT in the telecom industry will bring an added value to the existing network. It will

- Open up new revenue streams for over the top (OTT) service providers and application developers.

- Provide asset management and remote system monitoring.

- And is a crucial part of cloud migration.

IoT in Telecom Industry: General Statistics

- As per GSMA, Internet of Things (IoT) will generate estimated US$1.8 trillion revenue for mobile network operators by **2026**, driven by the early deployment of commercial Power Wide Area Networks in licensed spectrum.

- Statista states that **90%** of senior executives in telecom, media, and technology companies consider IoT growth as critical to their business.

- MarketsandMarkets forecasts the IoT telecom services market size to grow from USD **2.90 Billion in 2016 to USD 17.67 Billion by 2021**, at a Compound Annual Growth Rate (CAGR) of **43.6%.**

- Technavio predicted that the global telecom IoT market will post an impressive CAGR of more than **42% by 2020.**

Artificial Intelligence

> IDC indicates that 63.5% of operators are investing in AI systems to improve their infrastructure.

AI is transforming the telecom industry in the following areas

- Network optimization
- Preventive maintenance
- Virtual Assistants
- Robotic process automation (RPA)

AI in the Telecom Industry: General Statistics

- **With Gartner forecasting that 20.4 billion connected devices will be in use worldwide by 2020, more and more CSPs are getting with the program, recognizing the value of artificial intelligence in the telecommunications industry.**
- **Marketsand Markets expects the global Artificial Intelligence (AI) in the telecommunication market to grow from USD 365.8 Million in 2017 to USD 2,497.8 Million by 2022.**
- **According to a survey by Deloitte, 40% of Telecom, Media, and Tech executives say they have garnered "substantial" benefits from cognitive technologies, with 25% having invested $10 million or more.**
- **Virtual assistants powdered by AI in the telecom industry are projected to cut business expenses by as much as $8 billion annually in 2022, according to Juniper Research.**

Cloud Computing

Advantages of the cloud for telecom providers,

- IT independence
- Reduces operational cost
- Enhance data efficiency
- Build scalable and managed services

Generate more revenue

According to researchers, the cloud telecommunication industry was valued at USD **17.15 billion in 2019** and valued at **$50.77 billion by 2025**. In the given period of 2020-2025, the cloud telecommunication market will grow at a CAGR of **20.89%.**

Diversified Ecosystem

The diversified ecosystem is driving value along three tracks

- Creating new sources of revenue
- Rationalizing cost structure
- Enhances technology adoption speed

Diversified Ecosystem: General Statistics

- According to a recent Accenture report, ecosystems will unlock $100 trillion in value during the next **10 years** by unlocking competitive agility.
- New research from Accenture (NYSE: ACN) finds that **84 percent** of business leaders globally agree that building ecosystems are critical to their strategy.

Trends come and go. You need a strategy!

At iLink, we are committed to providing quality and valuable services as per the need of leading communication service providers. Want to learn more? Great!

How about a nice talk with our experts. https://www.ilink-digital.com/