

# 14

## 6G Headstart

### India throws its hat into the ring

Soon after setting the ball rolling in the 5G space, India has been making moves to play a critical role in developing 6G. To this end, the government recently released a 6G vision document alongside launching a 6G test bed. While the document lays out the country's plans to enable the deployment of 6G by 2030, the test bed aims to encourage R&D in the technology so that India can generate intellectual property and help develop industry standards in terms of technology, spectrum usage norms and use cases.



### News Briefs

- 8** National events
- 12** International events

### Special Stories

- 14** 6G headstart: India throws its hat into the ring
- 17** Towards the edge cloud: An opportunity for India's telcos
- 18** Opening up: New policy sets the tone for a space economy
- 20** Tackling e-waste: Industry players step up recycling efforts
- 22** Evolving private networks: GSA report highlights key developments and market drivers

### Companies

- 24** "Committed to making India atmanirbhar": Interview with VVDN's Joseph George
- 25** Finolex Cables: Riding on the 5G wave

### Finance

- 27** Strong signals: Sector revenues poised to grow as 5G rolls out
- 28** Financial briefs: India and overseas

### Enterprise Telecom: IT/ITes and BPM

- 29** Tapping into technology: IT/ITeS and BPM industries lead the digital transformation
- 31** Smart shift: Digital trends dominating the ITeS and BPM sector

### Forum

- 34** Interview with Tarun Chhabra: "Nokia expects 6G systems to launch by 2030"
- 36** "Quantum is the new frontier of technology": Views of Ashwini Vaishnav
- 38** "We are looking at the second quantum revolution": Views of C-DOT's Dr Rajkumar Upadhyay

- 39** Modern networks: Telcos transition to a cloud-native environment
- 40** Going green: Creating a sustainable path to 5G and beyond
- 41** Digital twins: A new approach to designing and building workflows

### Telefocus: Open RAN

- 42** ORAN era: Moving towards open network architectures
- 44** Enabling 5G: Open RAN to accelerate service adoption
- 46** Redefining wireless networks: Next-generation technologies enabling the transition to open RAN
- 48** Risk aware: Key issues and challenges in deploying open RAN

### Special Section: Fiberisation

- 50** Growing fibre footprint: Telcos look to expand coverage

**Enterprise Telecom: IT/ITeS and BPM 29**

The IT/ITeS and business process management industry has been at the forefront of digital transformation worldwide. Enterprises in this space are focusing on leveraging new-age digital solutions such as AI, big data, chatbots, cloud computing, blockchain, low-code and no-code, and hyper-automation to improve efficiency and enhance the customer experience. However, the evolving IT demands of customers and enterprises entail more widespread deployment of these technologies along with solutions to safeguard systems.



**Telefocus: Open RAN 42**



Telcos worldwide are transitioning towards open RAN architectures. The move is driven by the various benefits of open networks, including a vibrant vendor ecosystem, network simplification, reduction in capex and opex, and improved network performance. Cloud-native open RAN systems are specifically gaining prominence in facilitating 5G network expansion. Although open RAN technology is still at a nascent stage in terms of deployment, industry experts and stakeholders believe it will dominate the sector in the coming years.



- 52** FTTx networks: Importance of testing and selecting the right topology
- 54** Fibre focus: FTTH key to reliable, high-speed last-mile connectivity
- 56** Key statistics: BSNL's Bharat Fibre FTTH subscriber base

**Company Wire**

- 57** Recent moves

**Sales & Marketing**

- 58** Growing play: OTT segment attracts viewer and investor interest
- 60** What's new in the market: Services and partnerships

**Product Release**

- 62** Products in the market

**People**

- 64** Anand Athreya, Tejas Networks
- 64** Manoj Paul, Equinix India

**Teledata**

- 65** Cellular subscribers: Growth between December 2022 and January 2023
- 66** Mobile trends and shares: Subscriber additions and operators' market share

<b>FORM IV</b>	
<b>Publisher</b>	Alok Brara
<b>Printer</b>	Alok Brara
<b>Owner</b>	India Infrastructure Publishing Pvt. Ltd.
<b>Editor</b>	Alok Brara
<b>Printing</b>	Thomson Press (India) Limited
<b>Press</b>	18/35, Delhi Mathura Road, Faridabad
<b>Place of Publication</b>	B-17, Qutab Institutional Area New Delhi -110016