



December 28, 2021

National Stock Exchange of India Limited

Exchange Plaza, C-1 Block G
Bandra Kurla Complex, Bandra (E)
Mumbai – 400051, India
Symbol: BHARTIARTL/ AIRTELPP

BSE Limited

Phiroze Jeejeebhoy Towers
Dalal Street, Mumbai – 400001, India
Scrip Code: 532454/ 890157

Sub: Press Release

Dear Sir/ Ma'am,

We are enclosing herewith a press release dated December 28, 2021 titled '*Airtel and TCS demonstrate 5G based Remote Robotic Operations and Artificial Intelligence driven Quality Inspection for Factories of the Future*' being issued by Bharti Airtel Limited.

Kindly take the same on record.

Thanking you,
Sincerely Yours,

For Bharti Airtel Limited



Rohit Krishan Puri
Dy. Company Secretary & Compliance Officer

Bharti Airtel Limited
(a Bharti Enterprise)

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Airtel and TCS demonstrate 5G based Remote Robotic Operations and Artificial Intelligence driven Quality Inspection for Factories of the Future

The demo leveraged Airtel's 5G test network and TCS' advanced Neural Manufacturing Solutions Suite

As part of its #5GforBusiness initiative Airtel is partnering with leading technology companies to test solutions for a range of Industry 4.0 use cases for the Indian market

MUMBAI/NEW DELHI, December 28, 2021: Bharti Airtel Limited (Airtel), India's premier digital communications solutions provider, and Tata Consultancy Services (TCS) (BSE: 532540, NSE: TCS), announced the successful testing of innovative use cases from TCS' Neural Manufacturing™ solutions suite on Airtel's ultra-fast and low latency 5G network.

Airtel has been allocated 5G trial spectrum by the Department of Telecommunications for the purpose of technology validation. Airtel has rolled out #5GforBusiness initiative and is partnering with leading technology companies to demonstrate a wide range of enterprise grade use cases using high speed & low latency networks.

Airtel and TCS joined forces to test 5G based use cases from TCS's Neural Manufacturing suite of solutions. These solutions help manufacturers build smart, cognitive factories which mimic resilient and adaptive behaviours as well as enable remote robotic operations in potentially hazardous environments like Mining, Chemical plants and Oil & Gas fields to safeguard human capital. They leverage the ultra-reliable low latency communication, enhanced bandwidth, and high device density characteristics of 5G networks and the combinatorial power of emerging technologies like Artificial Intelligence/Machine Learning, computer vision, industrial robotics and Augmented Reality/Virtual Reality to enable autonomous actions.

TCS successfully tested two use cases on Airtel's 5G testbed – remote robotics operations, and vision-based quality inspection, demonstrating how TCS' Neural Manufacturing solutions and 5G technology can transform industrial operations, and significantly boost quality, productivity and safety. The demonstration was done at Airtel's 5G Lab in Manesar (Gurgaon).

Randeep Sekhon, CTO - Bharti Airtel, said "Airtel is spearheading 5G in India. The 5G ecosystem will open limitless possibilities for enterprises to enhance productivity and serve their customers even better with digitally enabled applications. We are delighted to work with TCS as our strategic technology partner to start testing real life 5G applications of the future. This also offers tremendous learnings across the value chain and lays a solid foundation for future application roadmap."

"We believe the future of manufacturing is neural, and have been making sustained investments in research, and innovation, and in building intellectual property. We will continue to build new, differentiated capabilities into TCS' Neural Manufacturing suite of solutions, harnessing the power of machine vision, machine intelligence and 5G to reimagine and redefine the way smart factories operate. Our partnership with Airtel to deploy and validate these innovative use cases on their 5G network serves as a proof point of the transformative power of these technologies," said **Susheel Vasudevan, Global Head of Manufacturing & Utilities at TCS.**

TCS' Neural Manufacturing suite of solutions help customers across manufacturing, consumer packaged goods, automotive, aerospace, energy, utilities, healthcare, life science and hi-tech domains, achieve an autonomous or lights-out factory vision. These include TCS Autoscape™



connected vehicle solutions, TCS Equiptix for predictive maintenance of assets, Digital Manufacturing Platform, Intelligent Power Plant, InTwin, TCS Clever Energy, TCS Connected Universe Platform, and IKRIS. For more information, visit: <https://www.tcs.com/manufacturing>

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About Tata Consultancy Services

Tata Consultancy Services is an IT services, consulting and business solutions organization that has been partnering with many of the world's largest businesses in their transformation journeys for over 50 years. TCS offers a consulting-led, cognitive powered, integrated portfolio of business, technology and engineering services and solutions. This is delivered through its unique Location Independent Agile™ delivery model, recognized as a benchmark of excellence in software development.

A part of the Tata group, India's largest multinational business group, TCS has over 528,000 of the world's best-trained consultants in 46 countries. The company generated consolidated revenues of US \$22.2 billion in the fiscal year ended March 31, 2021 and is listed on the BSE (formerly Bombay Stock Exchange) and the NSE (National Stock Exchange) in India. TCS' proactive stance on climate change and award-winning work with communities across the world have earned it a place in leading sustainability indices such as the MSCI Global Sustainability Index and the FTSE4Good Emerging Index. For more information, visit www.tcs.com.

About Airtel

Headquartered in India, Airtel is a global communications solutions provider with over 480 Mn customers in 17 countries across South Asia and Africa. The company ranks amongst the top three mobile operators globally and its networks cover over two billion people. Airtel is India's largest integrated communications solutions provider and the second largest mobile operator in Africa. Airtel's retail portfolio includes high speed 4G/4.5G mobile broadband, Airtel Xstream Fiber that promises speeds up to 1 Gbps with convergence across linear and on-demand entertainment, streaming services spanning music and video, digital payments and financial services. For enterprise customers, Airtel offers a gamut of solutions that includes secure connectivity, cloud and data centre services, cyber security, IoT, Ad Tech and cloud based communication. For more details visit www.airtel.com

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