



**November 23, 2021**

The Manager- Listing  
BSE Limited  
(BSE: 507685)

The Manager- Listing  
National Stock Exchange of India Limited,  
(NSE: WIPRO)

The Market Operations,  
NYSE: New York  
(NYSE: WIT)

Dear Sir/Madam,

**Sub: Press Release**

Please find attached herewith copy of the Press Release which is being released today.

Thanking you,

**For Wipro Limited**

**M Sanaula Khan  
Company Secretary**

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## Telefónica and Wipro Engage to Offer Network Automation Through CI/CD/CT Adoption in Germany and Brazil

**Madrid, Spain and Bangalore, India – November 23, 2021:** [Telefónica](#) and Wipro Limited (NYSE: WIT, BSE: 507685, NSE: WIPRO), a leading global information technology, consulting and business process services company, today announced an agreement to initiate the transformational journey towards Network Operations by introducing Continuous Integration, Continuous Deployment and Continuous Testing (CI/CD/CT) in Telefónica's German and Brazilian markets, with the perspective of expansion to Spain and UK.

With 5G, born cloud native and based on containers and microservices, suppliers have endorsed a CI/CD/CT approach in their industrialization process dramatically increasing the number of product releases and the volume of testing. Operators need to be radically agile to face this new situation without compromising the right level of quality, performance, scalability and time to market.

Telefonica plans to leverage a common CI/CD/CT framework for all the markets which can be implemented locally to meet specific local integration needs, with the support of Wipro. This will ease collaboration among Telefonica OpCos allowing to share design, parametrization/configuration, test plans and results.

The solution, developed by Wipro, will be built over opensource tools and open to evolution, allowing rapid adaptation to future technological changes. Common repository test tools will also be used, with the possibility of future integration with the CI/CD/CT pipeline.

Wipro will work with Telefonica to automate the associated Network Operations and, thus, enable the transition to the Telco Cloud and the adoption of the virtualized Network Functions. This framework will allow for industrialization of the process, coping with the increased volume and complexity of the Network Functions while adopting an Agile working methodology in parallel to the industry.

Telefonica Germany considers CI/CD/CT to be an important tool when implementing automation strategy. "Agile working methods and delivery mechanisms will play an important role in the future to be a successful player in the market. With Wipro, we have chosen a service provider that can build converged solutions for us to optimally serve all technology segments. Fast, reliable and standardized automation of all tasks from build to production will improve our time to market as well as service quality," said **Thomas Braun, Manager Test Environments & Integration, Telefónica Germany.**

Telefonica Brazil considers the initiative fundamental in its cloudification and network transformation strategy. "Automation of testing and continuous delivery will be one of the pillars to address the new construction model for 5G networks and even for traditional fixed and mobile networks" said **Elmo Rocha, Director of Planning and Technology, VIVO.**



Although the initial target is 5G Core Network, the strategy is to expand the solution to other areas such as Transport, Access and Infrastructure.

Furthermore, Telefonica and Wipro will collaborate in implementing and incorporating the CI/CD/CT framework in the Telefonica Technology & Automation Lab (based in Madrid). Wipro will support Telefónica in implementing different use cases over Telco Cloud environments and will build an automated and programmable environment based on Artificial Intelligence/Machine Learning where both partners will work jointly with the objective to achieve Zero touch network testing and deployment without a maintenance window.

"CI/CD/CT is a must in our 5G strategy enabling the robustness and reliability of our Network while ensuring adaptability and accelerating the time to market. This is one of the key steps in the path of automation of our networks. We see Wipro as the best partner for this journey given the knowhow and the experience we have in some other projects of automation like SDN implementation" said **Cayetano Carbajo, Director of Core, Service Platforms and Transport, Telefonica CTIO.**

**Thomas Mueller, CTO – Engineering and R&D Services, Wipro Limited** said, "Network disaggregation, O-RAN and automation are at the core of our investments to enable cost efficient, scalable networks of the future. Our decade long partnership with Telefonica is continuing to thrive through this agreement. Wipro will now leverage our investments into open-source based network automation and support Telefonica in future network transformation."

Wipro had also recently announced a [five-year strategic partnership](#) with Telefónica Germany / O2 for a Radical IT Transformation (RAITT) program.



### **About Wipro Limited**

Wipro Limited (NYSE: WIT, BSE: 507685, NSE: WIPRO) is a leading global information technology, consulting and business process services company. We harness the power of cognitive computing, hyper-automation, robotics, cloud, analytics and emerging technologies to help our clients adapt to the digital world and make them successful. A company recognized globally for its comprehensive portfolio of services, strong commitment to sustainability and good corporate citizenship, we have over 220,000 dedicated employees serving clients across six continents. Together, we discover ideas and connect the dots to build a better and a bold new future.

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### **About Telefónica**

Telefónica is one of the largest telecommunications service providers in the world. The company offers fixed and mobile connectivity as well as a wide range of digital services for residential and business customers. With more than 365 million customers, Telefónica operates in Europe and Latin America.

Telefónica is a 100% listed company and its shares are traded on the Spanish Stock Market and on those in New York and Lima.

### **Forward-Looking Statements**

The forward-looking statements contained herein represent Wipro's beliefs regarding future events, many of which are by their nature, inherently uncertain and outside Wipro's control. Such statements include, but are not limited to, statements regarding Wipro's growth prospects, its future financial operating results, and its plans, expectations and intentions. Wipro cautions readers that the forward-looking statements contained herein are subject to risks and uncertainties that could cause actual results to differ materially from the results anticipated by such statements. Such risks and uncertainties include, but are not limited to, risks and uncertainties regarding fluctuations in our earnings, revenue and profits, our ability to generate and manage growth, complete proposed corporate actions, intense competition in IT services, our ability to maintain our cost advantage, wage increases in India, our ability to attract and retain highly skilled professionals, time and cost overruns on fixed-price, fixed-time frame contracts, client concentration, restrictions on immigration, our ability to manage our international operations, reduced demand for technology in our key focus areas, disruptions in telecommunication networks, our ability to successfully complete and integrate potential acquisitions, liability for damages on our service contracts, the success of the companies in which we make strategic investments, withdrawal of fiscal governmental incentives, political instability, war, legal restrictions on raising capital or acquiring companies outside India, unauthorized use of our intellectual property and general economic conditions affecting our business and industry. The conditions caused by the COVID-19 pandemic could decrease technology spending, adversely affect demand for our products, affect the rate of customer spending and could adversely affect our customers' ability or willingness to purchase our offerings, delay prospective customers' purchasing decisions, adversely impact our ability to provide on-site consulting services and our inability to deliver our customers or delay the provisioning of our offerings, all of which could adversely affect our future sales, operating results and overall financial performance. Our operations may also be negatively affected by a range of external factors related to the COVID-19 pandemic that are not within our control. Additional risks that could affect our future operating results are more fully described in our filings with the United States Securities and Exchange Commission, including, but not limited to, Annual Reports on Form 20-F. These filings are available at [www.sec.gov](http://www.sec.gov). We may, from time to time, make additional written and oral forward-looking statements, including statements contained in the company's filings with the Securities and Exchange Commission and our reports to shareholders. We do not undertake to update any forward-looking statement that may be made from time to time by us or on our behalf.