

MOBILE WORLD CONGRESS 2019: EXPRIVIA | ITALTEL, CISCO, FANUC and electric80 to PRESENT COLLABORATIVE ROBOT

At the event in Barcelona, from February 25 to 28, the first results of a collaboration on IoT, Machine Learning, Intuitive 5G, AI and computer vision to enable Industry 4.0 use cases will be revealed

Milan, Italy, February 22, 2019 – Exprivia | Italtel – an international group of Information and Communication Technology, in collaboration with Cisco has launched a strategic collaboration with **FANUC**, a Japanese multinational which specializes in factory automation and the production of industrial robots, and Elettric80, a company specialized in industrial automation, to drive the integration of digital technologies into industrial environments and empower **Industry 4.0** use cases.

The first result of this collaboration will be showcased at the Exprivia | Italtel stand (Hall 2, Stand G10) during Mobile World Congress 2019, in the form of **“FANUC CR-4iA” ‘Cobot’ (collaboration robot)**, which leverages **5G intelligent networks** and can be controlled through connected conversation commands like chatbots and vocal-recognition technology developed by Exprivia |Italtel.

Leveraging Cisco's 5G network infrastructure, the network provides the reduced latency, flexibility and programmability which can integrate Machine Learning, Artificial Intelligence (AI) and computer vision technologies – **enabling the 'cobot' to identify, grasp and position the correct waffle based on color recognition. The cobot can also react to voice requests made by the user.** The ability to interact vocally is made possible by Cisco's "Cisco WebEx Teams" and "Questit Qplus" solutions, as well as voice assistants.

The implementation of computer vision is a distinctive element of the solution, as the robot is equipped with a vision sensor. The combination of this and 'cobot' creates a series of tools which can collect and strategically analyze data generated by machines and devices connected to the associated production network – increasing the productivity and profitability of factories.

The collaboration with Elettric80 is essential in developing the direct innovative applications that can solve problems encountered by customers in the field, at numerous automated production plants worldwide.

Gerardo Del Vecchio, Head of Partnership and Ecosystem Management of the Exprivia | Italtel group, said: *"The collaboration with FANUC, which we hope will consolidate over time both from a commercial and technological point of view, allows us to be at the side of the most virtuous companies which are turning their*



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attention to an ultra-connected industrial model. The integration of IoT solutions will be the true accelerator of competitiveness and growth on the path to Industry 4.0."

*"The key to success is through collaboration and integration of skills in different fields, which are united in the joint effort to make factories more productive and efficient," said **Marco Ghirardello, General Manager of FANUC Italia and Vice President of FANUC Europe.** "We have chosen Exprivia | Italtel as a partner, which ensures FANUC's technological solutions have the most advanced connectivity features and can be easily implemented in even the most demanding IoT architectures."*

Raffaello Sernicola, Telco Innovation Leader of Cisco Systems, Italy: *"The advent of 5G allows the development of innovative solutions in the area of Enterprise 4.0 which was previously not possible. Thanks to the collaboration of the various technological and integration partners, both in the field of industrial automation and telecommunication, it will bring benefits to end customers in terms of increased production and cost reduction. "*

Marco Casarini, Technical Director of Elettric80: *"The synergy between innovation in automation and communication enables new scenarios for monitoring and remote control of systems with benefits for all those involved in the supply chain."*

At Mobile World Congress, it will be also on display FANUC's ZDT (Zero Down Time) management panel that activates remote cloud monitoring of robots, as well as monitoring of productivity and usury in real-time. The software is based on the FANUC MT-Linki platform which enables the networking of machines and devices by monitoring their operations and collecting data.

The platform leverages Mobile Access Edge Computing 5G technology by CISCO to enable real-time data collection and proactive processing closer to the factory. In addition, the Cisco Ultra Domain Center solution allows end-users to safely and autonomously manage devices connected to the 5G network by simply assigning access rules to devices and data.

Del Vecchio added: "Machine Learning, AI and Computer Vision technologies, along with the development of FANUC's IoT solutions for automation, are enabling factors that companies will be able to exploit, thanks to the diffusion of 5G, the new generation network that will soon be available. This is why Exprivia | Italtel is directing its investments towards this area, as well as combining Italtel's expertise in the infrastructural aspects of the 5G network with Exprivia's know-how in the application field to ensure operators can enjoy the opportunities optimization of key processes brings."



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The demonstrations will take place at Exprivia | Italtel's stand (2G10, Hall 2) at Mobile World Congress, which takes place at the Fira Gran, in Barcelona, Spain, from Monday, February 25 to Thursday, February 28.

Exprivia | Italtel

Exprivia | Italtel is an international group specialized in Information and Communication Technology able to direct drivers of change in the business of its customers thanks to digital technologies. With a know-how and experience gained in over 30 years of constant presence on the market, Exprivia has a team of experts specializing in various fields of technology and in the main areas within this sector, from the Capital Market, Credit & Risk Management to IT Governance, from BPO to IT Security, from Big Data to Cloud, from IoT to Mobile, from networking to enterprise collaboration to SAP.

Exprivia | Italtel supports its clients in the Banking & Finance, Telco & Media, Energy & Utilities, Aerospace & Defense, Manufacturing & Distribution, Healthcare and Public-Sector sectors. Exprivia | Italtel's offering is made up of solutions which are composed of third-party products, engineering services and consultancy.

Exprivia is listed on Borsa Italiana Stock Exchange since 2000 to the STAR MTA (XPR) segment.

Today the group composed of Exprivia and Italtel has about 4,000 professionals distributed in over 20 countries worldwide.

Exprivia is subject to the direction and coordination of Abaco Innovazione S.p.A.

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FANUC

FANUC Corporation is a world leading manufacturer of factory automation with CNC systems, robots, machine tools and presses (ROBODRILL, ROBOCUT and ROBOSHOT). Since its foundation in 1956, FANUC has been at the forefront of the development of numerical control units for machine automation. Present globally with over 263 branches and 7,000 employees, FANUC offers its customers an efficient and widespread system of sales, technical support, research and development, logistics and customer service.

Elettric80

Elettric80 was established in the 1980s in Viano, a town in the province of Reggio Emilia. The company is specialized in the implementation of solutions that are both flexible and modular, integrated and automated; they are designed for high-volume consumer products manufacturers, mainly in the food, beverage and tissue industries, as well as in diversified sectors such as ceramics and plastics.

In 1992, once again in Viano, the BEMA company was founded to develop robotics systems synergistic with those of Elettric80.

Elettric80 has completely changed the way we design factories, offering some of the most effective and secure solutions in the world: from production planning and control through to storage and shipping activities, resulting in a significant increase in factory efficiency and ensuring the total traceability of handled products. Thanks to highly innovative hardware and software solutions, Elettric80 revolutionized Factory 4.0 more than 20 years ago, earning world-wide recognition as the market leader of integrated automation solutions.

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