

What will Internet of Things (IoT) mean for you and your business? Reflections on the 40 Anniversary Celebration for Moog Italy



Participants experienced a simulation of the Internet of Things

Moog Service Professionals will be able to quickly diagnose faults on machines using remote access technology and guide your maintenance teams to service Moog products efficiently over the internet. This will increase the incidence of first-time-fixes, save expensive travel costs and reduce downtime for your machinery. This was one of the topics discussed during the Moog Innovation Meeting held with customers and partners to celebrate Moog's 40th Anniversary in Italy. This is part of a year-long

celebration commemorating Moog's 50 years in Europe.

On 29 September 2015, Moog invited its customers to the Duomo 21 in Milan, Italy, for a unique opportunity to share important milestones achieved throughout 40 years of business and discuss future opportunities. Technological challenges faced in the future and how the trend of the "Internet of Things (IoT)" will impact our business were discussed by invited speakers Prof. Giovanni Miragliotta of the Politecnico of Milan, Dr. Stefano Amoroso of the Istituto Italiano di Tecnologia of Genova and Prof. Paolo Righettini of the University of Bergamo.



Moog share insights learned over 40 years of business

Since 1951 when Bill Moog commercialized the first electrohydraulic servo valve, Moog's technology has evolved significantly, transforming the company to a world leader in providing high-performance motion control products, solutions and service. In the state-of-the-business report Gabriella Poletti, General Manager of Moog Italy, stated "The Italian market has always been one of the most interesting for Moog to invest in for both industrial and aerospace markets. However, the rules of

the game are changing and to remain competitive our response has to be quicker, highly accurate and flexible."

The arrival of the fourth industrial revolution, driven by the Internet of Things (IoT), is opening the door for companies to capture new opportunities. This new Industrial 4.0 era means Moog will partner with our customers' efforts to redesign operations and maintenance functions to totally integrate hardware, software and analytical tools in real time. The goal is to make our customers

able to plan, communicate and operate with maximum efficiency and minimum risk through the IoT.



The beautiful location in downtown Milan inspired the audience

Data from Smart Manufacturing Observatory Research conducted by the Politecnico of Milan and discussed by Prof. Miragliotta, clearly shows that the Italian market is starting to move towards this concept, although with differing delivery methods and ability. The adoption of Smart manufacturing brings tangible benefits to businesses and allows the mapping of processes in an innovative way, overcoming historical limitations of information acquisition and analysis.

The guests at the event were able to experience the full potential of the IoT in an industrial application using a fun simulation, developed by Glynn Lloyd, Moog Technology Director, Industrial Services. Each person in the audience was given a disc-shaped gear with a sensor. Participants were asked to rotate the disc for about a minute, in the direction indicated by a light signal. Meanwhile, the remotely connected software collected all the data coming from each device, quickly diagnosed any "defects/faults" and provided a resolution to the "problem." Translated to a real life application, this technology will help transform maintenance from unplanned to planned, increase the success rates of repairs and reduce maintenance costs and machine downtime for our customers.

Riccardo Prencipe, Sales & Application Engineer, Moog Italy, explained the importance of using simulation in the design phase of a component to identify and address any inaccuracies in a system being developed. Uwe Braun, Sales Manager Europe, Moog Germany presented a Customer Case Study and Frank Loos, Director Product Development, Moog Germany, presented Moog's most innovative current projects.

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