



## The Working Factory at BIE 2017

The banner features a central graphic with the text '4.0 ed oltre' above a bar chart with seven bars of increasing height. Below the bars, the letters 'L A F A B B R I C A' are arranged in a sequence. To the left is a ball tap and the text 'DALLA MATERIA PRIMA'. To the right is a robotic arm and the text 'AL PRODOTTO FINITO'. Below the main graphic, the BIE logo is on the left, and the event details 'BRESCIA INDUSTRIAL EXHIBITION', '18-19-20 MAY 2017', 'Centro Fiera - Montichiari (Brescia) Italy', and 'METALWORKING AND TECHNOLOGY EXHIBITION' are on the right.

On the occasion of its 3<sup>rd</sup> edition, BIE – Brescia Industrial Exhibition introduces something completely new in the international exhibition scenery: “The Working Factory, 4.0 and beyond”. It is a real working factory, that will carry out all the phases of a full production process (including assembly and inspection) of a ball tap, starting from a brass rod. The eleven project-partner companies, all international leaders in their sectors, will respectively deal with: Brass-rod supply / Brass rod heating & cutting / Forging / Forging-mould supply / Fumes aspiration / Sandblasting / Mechanical processing / Metal washing / Manufacturing of balls for valves / Product assembly and inspection / Visualization of the whole productive process, web connection and Supervisor.

**4.0 and beyond.** As the slogan of the project clearly says, the main goal of The Working Factory is to go beyond the Industry 4.0, by finally showing in a concrete way all the potentialities of the IoT (Internet of Things), which are applied to a production line. Each single machine will be connected to a computer/supervisor, which will gather the production data and visualize each machine and system status on synoptic panels. Moreover, the development of the whole productive cycle will be visible online in real time.

**Automatization** The whole productive process will be completely automatized, thanks to the use of conveyor belts and no less than nine robots of different types, both anthropomorphic and S.c.a.r.a. some of them will be also provided with a system of vision. They both form an integral part of the machines themselves and deal with interlocking operations of the machine (loading, unloading, handling) “from the outside”. Moreover, they are connected with it.

A whole pavilion is reserved to The Working Factory, which is a free-of-charge event, open to all comers. It will take place during BIE 2017, the Metalworking and Technology Exhibition, from 18<sup>th</sup> to 20<sup>th</sup> May at the Centro Fiera – Montichiari (Brescia) Italy. For more details, please visit: [www.fierabie.com](http://www.fierabie.com).