

# ATIEUNO MAGAZINE 4.0



## Aluminium 2000 Bologna, Italy, much more than a Congress!

The **12th ALUMINIUM TWO THOUSAND World Congress**, in collaboration with the 7th ICEB (International Conference on Extrusion and Benchmark), marked a pivotal milestone in the aluminium industry's journey towards the future.

This biennial event involved over 80 esteemed aluminium professionals from more than 30 countries: many groundbreaking technologies and pioneering applications for aluminium have been presented, captivating the attention of a specialized, international audience.

Amidst this prestigious gathering, Atieuno seized the opportunity for extensive networking, establishing meaningful connections and fostering collaborations that promise to shape the future of our industry.

Our company has been represented by our Marketing and Sales Director, **Marcelo Aiello**, and our CTO **Giacomo Mainetti**.

"Participating in Aluminum2000 is an unmissable opportunity for content, innovations and new techniques as well as encouraging networking opportunity. The success of this Congress is the success of us exhibitors"- said **Marcelo Aiello** on his return from the Congress.

We also made an interview with **Giacomo Mainetti** on his return, curious to receive updates on the most interesting papers and the latest technological developments and innovations.



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**Here is what he has shared with us:**

**Can you provide a short overview of the Aluminium 2000 congress? What were the main objectives and themes of the congress?**

The main theme of the congress focused around sustainability, technological advancements, and applications of aluminum industry. This included discussions on eco-friendly manufacturing processes, energy efficiency, recycling initiatives, and sustainable material sourcing. Moreover, the congress emphasized the integration of digital technologies, automation, and Industry 4.0 principles into the aluminum extrusion process to enhance efficiency, precision, and overall productivity.

**Could you describe the key discussions and presentations related to aluminum extrusion at the Aluminium 2000 congress? What were the focus areas or topics discussed?**

At Aluminium 2000 congress, several key discussions and presentations were centred around the importance of software and digitalization to improve the different aspects of the aluminium extruders' daily operations. It has been very interesting to see how the software to simulate the extrusion process are improving their performances and features, creating detailed extrusion simulation quickly, and now considering the liquid nitrogen cooling in the dies as well. It has been very important to see how the digitalization of extrusion process is playing a key role for the whole process, together with automation and robotics. Industry 4.0 is driving the development of the application of digital solution to bring extruders to the future.

The focus areas and topics discussed can be summarized into several main themes like extrusion simulation, digitalization of processes, industry 4.0 implementation, ecology an environmental protection, workers health and safety, innovation in machineries and study of special alloys.

**Were there any significant advancements or innovations in aluminum extrusion technology discussed during the congress? What should be their potential impact on the industry according to you?**

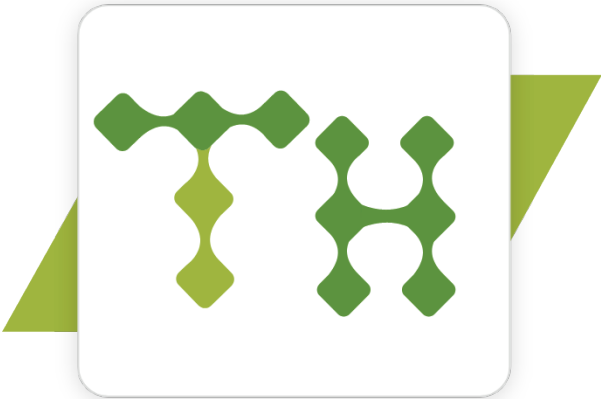
Yes, there were showcased notable advancements and innovations in aluminum extrusion technology, including breakthroughs in precision extrusion processes, utilization of high-strength alloys, and the integration of artificial intelligence for process optimization and control.

**Were there presentations or discussions on sustainability and environmental considerations in aluminum extrusion at the congress? What were the key takeaways in this regard?**

Yes, sustainability and environmental considerations were prominently featured in the discussions. Key takeaways included a strong emphasis on energy-efficient manufacturing processes, eco-friendly material sourcing, and advancements in recycling technologies. The importance of reducing the carbon footprint through sustainable practices in the aluminum extrusion industry was highlighted.

**Looking ahead, what do you foresee as the future direction of aluminum industry based on the discussions and insights from the Aluminium 2000 congress?**

Advancements in automation, AI integration, and digitalization are expected to revolutionize aluminium production, enhancing efficiency, and reducing waste. Sustainability will continue to be a primary focus, with a drive towards carbon-neutral processes.



Theoria’s main benefits

 **FAST**  
Quickly plan the presses and after extrusion departments

 **OPTIMIZE**  
Decreases setup times (die changes, colour changes...) and assign die/resource with related Best Production Parameters

 **PRECISE**  
Calculates exact delivery dates

 **SUPERVISOR**  
Monitors workload by resource, loaded as per the actual Best Production Parameters

 **CONTROLLER**  
Checks and warns about delays and orders not plannableper the actual Best Production Parameters

 **MONITOR**  
Monitors stock level and create internal request of supply (final bars, consumables, accessories...)

Applied technological research:

In our relentless commitment to pioneering advancements we have focused our R&D efforts on our MRP II Planning Software Solution **Theoria**, meticulously verticalized and optimized to cover the specific needs of an integrated factory, covering both extrusion and after extrusion processes. In the heart of Theoria lies its Planning Engine, a masterpiece of engineering that orchestrates and streamlines the production process from start to finish.

**Theoria** leverages the power of intelligent algorithms and machine learning to meticulously analyze and pinpoint the ideal combination of resources and operations, eliminating the guesswork thus ensuring minimal downtime and optimal productivity. Through its intelligent approach, it minimizes waiting times, enabling faster transitions between orders, avoiding bottlenecks and allowing significant cost reductions. Thanks to Scenario Simulation advanced function it allows users to visualize and assess diverse production scenarios, enabling informed decision-making and facilitating strategic foresight and success planning.



## INTRODUCING THE ATIEUNO PARTNERSHIP PROGRAM:

Glad to announce our commitment to strength our commercial strategy by enhancing collaboration with our esteemed partners: our **Partnership Program** is born from the simple and yet powerful idea to provide a clear, structured path to implement a highly effective working model. It's a roadmap that focuses on empowering us and our partners to:

- /// **ACCELERATE RESULTS:** Achieve your goals faster and with precision.
- /// **ENHANCE DIALOGUE:** Strengthen communication with Atieuno to foster seamless collaboration.
- /// **OPTIMIZE RESOURCES:** Make the most of our marketing and commercial tools.
- /// **REACH COMMERCIAL OBJECTIVES** faster.
- /// **CREATE CROSS-SELLING AND UPSELLING OPPORTUNITIES** to explore new growth paths.

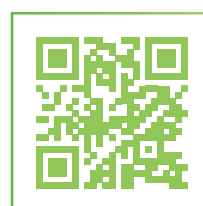
Together we'll navigate new territories, seize new opportunities, and drive lasting success.



## Grow Together Under Common Goals

To better implement a structured working model we have created a **Partnership Playbook** that have a guidance function and contains the main goals of the Partnership Program strategy and all the mutual marketing activities plan.

In the recent virtual meeting, we have officially unveiled our dynamic **Partnership Program** to all our partners. Our partners enthusiastically embraced and fully endorsed our programme, recognizing its potential to forge a stronger, mutually beneficial partnership.



Visit our website: [www.atieuno.com](http://www.atieuno.com)