



Patrick de Luca

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Main product: AMPLI project

Aim: Accelerating the digitalisation of plastic manufacturing industries through new technologies



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Augmented reality for the advancement of the plastic industry

The project

The idea

Thanks to an augmented reality environment together with physics-based real-time simulation, we collect real-time information for plastic factory workers to empower them to take more well-founded decisions around and on the production line.

Innovation should be part of children's education. Dreaming and inventing are an inherent part of their youthful minds!

Inspiration

We knew the combination of real-time simulations and virtual reality in manufacturing would open an infinite world of new possibilities and perspectives. It offers guidance in daily operations, but it is also an ideal way to train and attract young generations.

Unique selling points

The AMPLI project offers both economic and societal advantages: the technologies allow the products to become cheaper and of higher quality. Additionally, it revolutionises the workplace by making it run smoother!

Societal impact

Our innovation will reinvigorate the competitiveness and attractiveness of European industry, wherein the manufacturing sector will be able to engage more and more people who want a brand new, exciting job.

EIT Community support

EIT Manufacturing helped us find the right partners and to crystallise the opportunity to create something unique and innovative.

Supported by:



Generated funding: EUR 498 000

Start year: January 2020

Challenge: Real-time engineered information for plastic factory workers

Teamwork

Our team consists of four vital associates from EIT Manufacturing. We all bring something different, but equally valuable: from technologies to research, from testing opportunities to skills in machine interoperability.

The innovator

The beginning

Recently, I've felt like engineering and doing business as usual offers a limited horizon. New technologies permit simultaneous dramatic advances in all domains (profit, sustainability, human well-being). It may sound naïve, but this was enough for me to leave the sector in which I successfully built my career, to happily move on to a new world and a new position.

Rewarding moments

Now, having reached this level of maturity in my career, I dare say that the AMPLI project is the most rewarding moment of my professional life. It feels great to contribute to the emergence of our new world.

