

## CASTEL PRESENTS KELVIN: A HUMANOID ROBOTICS PROJECT AT THE SERVICE OF PEOPLE



*Castel launches the trial of its first humanoid robot: the future of industry lies in collaboration between people and technology*

*The company introduces Kelvin, its first humanoid robot, as part of a research and experimentation project with IRMAP Service. The goal is to explore how robotics can support people while enhancing their skills and capabilities.*

How will work change in the coming years? And what role will people play in an increasingly advanced manufacturing environment?

These are the questions behind Kelvin, the project through which Castel, an Italian company specialising in the manufacture of components for refrigeration and air conditioning, is launching a new experimentation journey focused on humanoid robotics.

More than a technological investment, Kelvin represents an investment in corporate culture: a project designed to explore how artificial intelligence and robotics can integrate with people's work, helping to improve quality, safety and organisation while preserving the central role of people.

The chosen name refers to the Kelvin scale, the universal reference for absolute temperature and a symbol closely connected to Castel's identity for more than sixty years. It also represents the beginning of a new journey: building on the company's roots to imagine the future.

### **Technology at the service of people**

Over the next 12-18 months, Kelvin will be at the centre of an experimentation project developed together with IRMAP Service, a technology partner specialising in applied research, robotics and industrial innovation. Its role will be to support Castel in the design, development and progressive programming of the humanoid robot, translating the company's operational requirements into concrete functionalities and gradually building a model of collaboration between people and technology.

The aim will not simply be to assess the robot's operational capabilities, but above all to understand its impact on the organisation, working methods and collaboration between people and intelligent technologies.

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The project will examine both technical and organisational aspects, observing how a humanoid robot can be integrated into business processes and how it is perceived by the people working every day across production areas and offices.

“Our goal is not to replace people, but to understand how technology can support them in lower-value-added activities, allowing them to devote more time to tasks that require experience, expertise, creativity and decision-making skills.”

### **Innovation means preparing for change**

For Castel, the experimentation stems from a clear belief: innovation cannot be addressed only once it has already become a market standard.

“Now is the right time. We believe companies have a responsibility to experiment today with what could become the norm tomorrow.”

This vision translates into a practical approach: observing, testing, gathering data, involving people and identifying which activities can genuinely benefit from collaboration with a humanoid robot.

### **Skills, training and corporate culture**

The experimentation will also represent an opportunity for growth across the entire organisation. The introduction of Kelvin will help develop new internal skills related to robotics, artificial intelligence and human-machine interaction, fostering a corporate culture increasingly focused on continuous learning and innovation.

For Castel, the success of a project like this will not be measured solely in terms of efficiency, but also by its ability to support people through a process of professional development, building confidence in new technologies and preparing the organisation for the changes that will shape the world of work in the years ahead.

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### **An Italian manufacturing company looking to the future**

Founded in 1961 and still entirely Italian-owned and family-run, exports its products to more than 100 countries and has built its growth on continuous investment in technological innovation, sustainability and skills development.

With Kelvin, the company is taking another step in this direction, choosing to address one of the most significant transformations in today's industrial landscape in a practical and tangible way: understanding how people and robots can work together to create a manufacturing model that combines technology, expertise and human value.

"The future is not built by choosing between people and technology. It is built by learning how to help them grow together."