

PRESS RELEASE**IGNITION AND AI TOGETHER FOR SMARTER WATER MANAGEMENT**

Over ten years of data collected, historicized and contextualized through Ignition are the information assets that today allow the Adige Euganeo Reclamation Consortium to effectively exploit artificial intelligence. Through an application based on the MCP (Model Context Protocol) protocol, this huge amount of data was made accessible to AI models, allowing operators to query the system in natural language and obtain immediate support for decision-making processes.

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Ignition, the Inductive Automation software platform distributed in Italy by **EFA Automazione/Relatech**, once again confirms its ability to evolve together with the needs of users and to integrate with the most innovative technologies. This is demonstrated by the project developed at the **Adige Euganeo Reclamation Consortium**, a reality that manages a territorial basin of over 110,000 hectares located between the provinces of Padua, Venice, Verona and Vicenza, where an artificial intelligence application has made it possible to enhance the great wealth of data collected in over ten years and to transform it into a valuable asset to support the activity of technicians.

Thanks to its open and scalable architecture and support for the main communication standards, Ignition enables the convergence between OT and IT, allowing plants, machines, sensors, databases to be integrated into a single digital ecosystem. Its flexibility makes it an enabling platform not only for supervision, remote control, MES and IIoT applications, but also in the field of digital innovation and analysis and support solutions based on artificial intelligence. As in the case of the Adige Euganeo Reclamation Consortium, where the specific solution, created with the support of MD Automation, a system integrator from Rovigo, introduces an advanced level of artificial intelligence through an MCP (*Model Context Protocol*, an open protocol that enables data exchange between the AI model and Ignition) server developed ad hoc, which allows dialogue and enhancement of the gigantic historical base built over the years. Thanks to Ignition's Web Dev module, which implements and manages APIs (*Application Programming Interfaces*), data - not only historical, but also collected in real time - is retrieved and returned in JSON (*JavaScript Object Notation*) format, allowing the AI model to consult them for use for processing, analysis and decision support purposes.

Operators can interact with the system through requests formulated in natural language, allowing them to quickly access operational information, analyze historical trends, identify correlations between meteorological events and hydraulic behavior of the territory and generate

Automatically report and documentation. In this way, the wealth of knowledge accumulated over the years becomes immediately accessible even to less experienced operators, helping to make operational decisions faster, more informed and more effective.

*"In recent years, the context in which we operate has become increasingly complex and requires a much greater capacity for analysis and reaction than in the past," says **Cristiano Girotto, head of the Adige Euganeo Reclamation Consortium and responsible for automation and plant maintenance activities.** "Thanks to this new application, we are able to exploit a huge amount of data that until recently was difficult to interpret in a systematic way, obtaining useful indications for daily management and future planning."*

Among the first results obtained is the ability to automatically distinguish different types of meteorological events, identify the hydrological response times of the basins and support the optimization of energy consumption, suggesting the most convenient time slots for the activation of the pumps when the operating conditions allow it. Ignition's open and scalable architecture, as well as its ability to support all the most popular standards, have proved to be decisive in naturally integrating the information assets built up over the years with the new opportunities offered by AI.

With this application, the wealth of data available to the Consortium is transformed into knowledge, which operators can use in a simple way - through a conversational interface - to obtain almost immediate answers. The value of human input, however, remains essential: the validation of all results is carried out by expert personnel, so that the model can progressively increase the precision of the answers and avoid the appearance of hallucinatory phenomena.

*"This project demonstrates how the value of innovation does not lie only in the introduction of new technologies, but above all in the ability to enhance those already available in organizations," says **Massimo Erba, Industrial Automation BU Manager at Relatech.** "The combination of Ignition and Artificial Intelligence makes it possible to transform the data collected from the field into operational knowledge, making decision-making processes more effective in anticipating events, making energy consumption more efficient and, in this specific case, creating concrete value for the area concerned."*

Thanks to its open architecture, the ability to integrate with heterogeneous systems and databases and the availability of advanced modules for the collection, historicization and distribution of information, Ignition is confirmed as the ideal platform to accompany organizations in the paths of digital transformation and data-driven innovation.

If you are interested in the complete case study on the experience of the Adige Euganeo Reclamation Consortium, contact the references at the bottom of the press release.



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Relatech is a leading provider of enabling digital solutions, active in the markets of Digital Transformation, Industrial Automation and Cybersecurity, supporting SMEs and large companies in their innovation and digital transformation paths, both in Italy and abroad. It offers end-to-end solutions — from the first digital interactions with the outside world to industrial automation — based on advanced technologies such as Artificial Intelligence, Cybersecurity, Cloud, IoT and Big Data, as well as Advisory, ICT Training and Data Analysis services, promoting responsible innovation and sustainable growth. Thanks to a robust R&D ecosystem and strategic partnerships — including Microsoft — the company is leading companies towards a Digital Renaissance, in which technology is accessible and enabling for all. This press release is online at www.relatech.com (Investor Relations/Press Releases section).

EFA Automazione SpA, part of the Relatech group, has been operating for 30 years in the field of industrial automation with products, solutions and know-how dedicated to the world of connectivity for system integration. An absolute forerunner of some of the issues that permeate the current 4.0 scenario, EFA Automazione has anticipated many technological trends, including that of IoT, which it currently rides as a protagonist by offering cutting-edge solutions in the use of the cloud and wireless communication in all its architectural forms. EFA Automazione is a unique reality in the national industrial landscape, able to offer a strategic advantage to all stakeholders in the ecosystem of which it is part: customers, system integrators, partners and suppliers. The synergy with Relatech makes EFA Automazione a hub equipped with 360-degree skills, technologies and assets in the field of IT/OT convergence, through which companies - both SMEs and large companies - can access the most advanced digital technologies to solve all the needs of connectivity, collection, analysis and protection of data and machines in order to increase their margins and compete better and better on their outlet markets.

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