

ALMAWAVE AND DITECFER TEAM UP TO PROMOTE AI-BASED TECHNOLOGICAL INNOVATION IN THE RAIL INDUSTRY

Pistoia-Rome, July 3, 2024 - **Almawave**, an Italian enterprise listed on the Euronext Growth Milan (Ticker: AIW) and a member of the Al maviva Group, a Data & Artificial Intelligence player, and **DITECFER**, the District for Rail Technologies, High Speed, Networks' Safety & Security, that currently brings together more than fifty Italian companies and research organizations, announce the signing of a strategic agreement to apply Artificial Intelligence in the railway industrial supply chain.

The collaboration is an important step towards innovating and modernizing the Italian rail ecosystem, leveraging the increasingly effective use of data and information for all operators in the sector based on the knowledge of its specific characteristics.

The agreement between Almawave and DITECFER focuses on developing innovative Use Cases, which seek to contribute to transforming the railway industry through Artificial Intelligence, introducing new levers of process effectiveness, efficiency, safety and quality.

*"We are excited about this collaboration with DITECFER, which constitutes a significant opportunity to apply our AI and data intelligence technologies to the rail industry" stated **Valeria Sandei, CEO of Almawave**. "Our company has for a number of years been investing in Artificial Intelligence technologies in Italy. As such, we are familiar with the application of these technologies within the specific context of Transportation, in part due to synergies with the parent company Al maviva, which is among the world leaders in the sector. Together, our objective is to create a safer, more efficient and innovative railway ecosystem, establishing Italy as a global role model."*

Daniele Matteini, Chairperson of DITECFER, added: *"We are the first European railway cluster to sign this kind of operational agreement on AI. DITECFER once again shows that it is a leader in fostering and creating concrete pathways to enable our companies to adopt advanced technologies, with a focus - though not exclusively - on small and medium-sized enterprises. Having brought our companies - and those in Europe generally - closer to blockchain and AI technologies through our European project 'STARS', and after co-founding the European Digital Innovation Hub 'AI MAGISTER', we are now accelerating even further to keep pace with the spread of AI and to render our supply chain and the rail sector ever more competitive"*.

Some of the main areas of focus and application are:

- AI tools that allow operators to quickly and intuitively access key information within operating procedures, technical manuals and maintenance data, including through the use of voice controls and the automatic generation of concise, relevant and certified answers using advanced techniques, and always in line with the principle of

accountability. Simple and intuitive tools that allow operators to use their own language to query and obtain information from complex data sources. This eliminates the need to memorize commands or to be familiar with the inherent characteristics of the information systems used, which are often complex and varied.

- Innovative services to ensure that surveys and reporting carried out by operators are simplified as far as possible using “hands-free” data collection. More complete and secure information that can be accessed quickly and intuitively in the field. Thanks to Artificial Intelligence, this new means of accessing information provides guidance and decision support by automatically retrieving and supplementing maintenance-related information from a large knowledge base. Such information includes maintenance procedures, technical specifications, and intervention history.
- Interactive conversational tools for classroom and remote training capable of answering questions, clarifying doubts and providing suggestions in real time. They can also be used to search for specific multimedia content and generate a lesson summary or self-assessment test.
- Advanced classification algorithms or Computer Vision tools to support quality monitoring in component and finished product inspections, to highlight any areas in need of further investigation, and to classify defect types.

Multilingual tools are also available, aiding analysis of regulations and industry content, analysis and comparison of procedures, simplification of purchasing and inventory management procedures, and advanced location intelligence.

The collaboration will also see additional specific use cases gradually explored for the benefit of DITECFER members.

The AI technologies that underpin this collaboration are developed and delivered in Italy. They are compliant with European and national regulations on Artificial Intelligence, Privacy and data use, and are built on long-standing knowledge of Rail Transport processes.

Almawave profile

Almawave S.p.A. is an Italian company, listed on the Euronext Growth Milan (AIW.MI) market and engaged in the field of Data & Artificial Intelligence. The Group offers proprietary technologies, solutions and services which realize AI and data's potential in the digital evolution of companies and public administrations. It boasts more than 400 domestic and international customers, in sectors including Government, Finance, Energy & Utilities, Tourism and Healthcare, operating directly and through partners.

The Almawave team consists of more than 400 professionals. The Group uses AI technology labs dedicated to developing products, platforms and vertical solutions targeting various market segments. Almawave's technological asset base, conceived and built as a model of natural experience in the interaction between man and machine, can interpret text and voice in over 40 languages, interacting in multi-channel mode, analyzing data and information with a view to knowledge development and automation to support decisions. Its skill centers also allow the potential of data to be achieved in complex contexts, combining expertise on key market frameworks in areas such as Data Management, Machine Learning, Location Intelligence, and the knowledge of business processes in related vertical sectors.

The Almawave scope, part of the Almaviva Group, includes the companies SisTer, The Data Appeal Company, Mabrian Technologies, Obda Systems, Almawave do Brasil, and Almawave Usa. www.almawave.com

DITECFER Profile

DITECFER S.c.ar.l. is an Italian company headquartered in Pistoia, the heart of the Italian railway industry, which functions as an innovation-driven cluster organisation in the railway and multimodal logistics sector. Established as a company in 2014 as a spin-off of the Regional Railway District of Tuscany, in under a decade, DITECFER has become the leading railway cluster in Italy and the most dynamic in Europe. It is member of the European Commission's Expert Group on the competitiveness of the rail supply industry, and promotes and coordinates all European projects designed to foster the competitiveness of the railway industry. DITECFER is also Vice-President of ERCl, the Brussels-based European Railway Clusters Initiative, which brings together Europe's 18 railway clusters, operating in seventeen countries.

In Italy, DITECFER is a founding member of the "Trasporti Italia" National Technology Cluster, subject to MUR, and the European Digital Innovation Hub AI MAGISTER, subject to MIMIT. www.ditecfer.eu

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