

## **PRESS RELEASE**

**Binary System is pleased to announce, together with the customer Captrain Italia, the go-live of the software module for rolling stock shifts automatic scheduling, aimed at supporting the railway company for an efficient and effective planning during goods transport in daily operational activities.**

*"We are really proud to announce the Artificial Intelligence software implementation in the operational processes of a freight railway company"* announced Mauro Pessano, CEO of Captrain Italy.

*"This is the first concrete application of an optimization software in the field of rail freight transport"* also explains Roberto Toscani, CEO of Binary System, who adds *"Up to now, results had been obtained in the field of automated solutions only in the world of passenger transport, due to the relatively more standard planning characteristics associated with this type of service"*.

After several years of investments and the involvement of one of the most important Italian railway companies, we have succeeded in creating an optimization model of the rolling stock supplied **to a railway operator dedicated to the transport of goods**. The goal was to enrich the functional perimeter of the Binary System planning software already adopted for years in Captrain Italia, by inserting algorithms able to propose **in a completely automatic way**, optimized solutions in the medium-long term planning phases, short term reprogramming and operational management.

The synergy with the new partner Qampo, a Danish company specializing in the creation of mathematical models and decision-making algorithms, has allowed us to define together with the customer the needs and possibilities for development on a new and innovative theme. The key points that made up this 6-hand cooperation can be summarized as follows: Think Big, Start Small but Good; Develop or Fail Fast; Fast scales.

*"The path that led us to this important result was not entirely linear and we experienced moments of difficulty, in which the intermediate solutions did not fully convince us"* explains Giuseppe Baldi, Operations Manager at Captrain Italia, who adds *"Now, however, we would no longer be able to work without it: it is a continuous process of improvement, which brings value and efficiency to the company every time"*.

This goal is the synthesis of the all involved subjects' skills, whose specific experiences have led to an essential maturation of the product, concretely facilitating the customer's working life. The market itself was asking solutions like these loudly, and the investment turned out as absolutely necessary, as well as possible.

This confirms the competence and professionalism of the project team which has been able to keep the customer's trust high and build on him an effective model to start testing the results of this technological innovation.

Always attentive to the real needs of railway companies, Binary System is aware that in the near future the same commitment and dedication will be needed to invest in the optimization of human resources, whose pilot project is already taking shape.

Piacenza, March the 3<sup>rd</sup>, 2022

***Binary System S.r.l** is the leading Italian company in the development of software solutions for the management of rail activities.*

*Thanks to its technical team of researchers and the well-established partnerships with most important devices manufacturers, Binary System has created a suite of products capable of integrating web and mobile management and representing an excellence in the industry for functionality, integration and mobility*

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