

# Movement Planner

## Uniting the best of the intelligences

In railway networks management, the dynamic environment, the uncertainties and the constant changes that take place over a great number of variables to be analyzed and controlled imply on the need for **Decision Making** process support solutions, which may ensure an optimized resources and assets allotment, costs control and reduction, and operations dependability and continuous improvement.

**Movement Planner** is a **Decision Making Support System (DSS or DMSS)** for the **Train Circulation Planning** that meets these and other needs.

The solution's Intelligence allows for the analysis of different scenarios and conditions and enables the controller to find the best solutions for traffic and train circulation planning.

**Movement Planner** supports railway transport companies in the difficult task of guaranteeing agility and precision in their daily decisions, allowing for facing the following challenges in real time, among others:

- Meeting market demand in terms of capacity and speed;
- Planning and reassigning resources so as to obtain the best performance;
- Allowing for information exchange and logistics management;
- Managing fuel costs;
- Appointing best decisions in case of unforeseen situations.

Highly reliable and with a friendly interface that facilitates its use by management or operations team without requiring technology expertise,

**Movement Planner** provides user companies with:

- Intelligent terminal and crossing stop time reduction;
- Fuel consumption reduction;
- Terminal lines reduction;
- Better network regularity;
- Easy and agile reaction to eventual scenario modifications;
- More organized professional operations;
- Ready access to base information;
- Information and flow forecast planning across operational areas;
- Management-policies-adhering plans;
- Integration, acquisition, consolidation and exposure of information available in other management systems, avoiding unnecessary efforts and waste of time;
- Proven return over realized investment.

The benefits achieved with the implementation and use of **Movement Planner** are based on the most modern technology employed in its development and in the way it easily encloses human knowledge that interacts with it.

This is only possible because **Movement Planner** was developed according to the **CFlex** approach that allows for a dialog between human agents and the technologic system.

This dialog leads to the combination of the best of two worlds:

- It uses the computing capacity for running structured, determining, mechanic and random tasks;
- It enables man-system interaction for running non-structured and, eventually, badly defined tasks;
- It frees manpower from the overload of data analysis, enabling a better use of its capacity and knowledge for usage in decision making that requires non-computing intelligence.

Through this approach **Movement Planner** enables companies to reach in the end a better solution than would be possible if either computer or manpower worked separately.

FOR MORE DETAILED INFORMATION ON THIS AND OTHER CFLEX PRODUCTS AND SERVICES

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**CFlex**  
Empower your Decisions