

🏠 Directory

< Data & Information



RAIL
Movement Planner

Real-Time Traffic Planning for Railroads

Rail Movement Planner™ (RMP) is the solution that will take your railroad to the next level! Smart planning can solve disruption and prevent incidents – while enhancing productivity!



The Rail Movement Planner Company (Railmp) is present in various operations around the world, providing state-of-the-art real-time traffic planning solutions for railroad networks.

Empower your traffic controllers with the ultimate traffic planning solution! Better plans lead

to increased throughput and smoother reactions to disruption. With **Rail Movement Planner™** your operations centre achieves more results by improving communication and allowing quick and easy planning for your railroad's needs.

Reduce conflicts between operation

and maintenance windows, solve meet-and-pass scenarios automatically and test feasible traffic plans within seconds! No matter how complex your network or how specific are your operational rules, our solution integrates with your railroad's operations centre to devise highly efficient train scheduling in real time.



Our company was founded in 2015, with its headquarters located in Campinas, Brazil. Spearheaded by accomplished railroad professionals with over 20 years' experience in the business, the **Rail Movement Planner™** solution was developed by uniting such expertise to high-tech and specialised software developers.

RMP approaches railroad operations problems as a puzzle, putting powerful algorithms and heuristics to work to elaborate traffic plans and predict its impacts in the future. It solves complex network plans within a few seconds, meaning its dynamic and highly updateable plans can assist decision-making in real time.

On a daily basis, RMP helps traffic controllers by quickly devising train graphs containing effective traffic plans. Thus, traffic controllers get more time for analysis and critical decision-making processes, greatly

improving working conditions when compared to controllers who are required to manually graph their traffic plans. Overall, a less pressured controller yields better results and makes better decisions.

Each instance of **Rail Movement Planner™** calculates up to 600 trains for 72 hours in the future in **less than 10 seconds**. [Try our free web demonstration](#) to assess what RMP can do for you.

With better traffic planning, your operation makes better use of its assets and improves its throughput and efficiency affecting the bottom line in a significant degree:

- Constant support to decision-making through operational scenario simulation in real time
- Better network regularity with expressive returns on energy efficiency and productivity
- Effective railroad traffic plans

aligned to the business's demands and needs

- More effective automated plans allow lessened variance in decision-making, standardizing the planning process
- Through simulation and new operational data usage, investment scenarios can be evaluated before implementing new procedures and spending more capital
- From the massive amount of information processed by the solution, numerous training options emerge to foster productivity and detect best practices

Due to the Rail Movement Planner™ integration layer, which is based on service-oriented architecture (SOA), the solution supports any enterprise software integration patterns. It is also compliant with industry standards regarding security and usability.

By mediating the data with the WSO2 Enterprise Integrator middleware, RMP can enable several analyses and reports to be elaborated for training, auditing, and more. To read more about this, check out [our blog](#).

Furthermore, we have improved our commissioning process to promote demonstrations and trials

– even coming to the point of fully remote installations.

Such achievements mean that customers can see remarkably quickly how Rail Movement Planner™ can be fast, flexible, and easily installed at their operations centre using information from their own rail network. To know more about our implementation

procedures, check out [our article](#).

All that considered, this is how Rail Movement Planner™ can help your operation tap into its full potential: with smart planning and enhanced foresight, you can intensify asset usage and achieve more with less.

Learn more by visiting our [website](#) and [contact us](#).



ABSOLUTE CONTROL FOR YOUR RAILROAD

In real time, at your fingertips

Introducing Rail Movement Planner™: the real time train traffic planning solution. Efficient traffic plans devised in just a few seconds.



Flexible solution
applicable in railroads of any kind



Fully integrated
to any legacy systems in the operations center



Immediate adaptation
to any scenario

Check our **free demonstration** on our website
railmp.com



Rail Movement Planner™ is supported by the São Paulo Research Foundation (FAPESP) and The Brazilian Agency for Innovation (FINEP)

™ Registered trademark in Brazil, Australia and the European Union

Visit our website:

