



Strategic
Analytics
Team

Journey Management



Journey Management is a risk based operational tool that aims to reduce risk, improve performance and ensure compliance

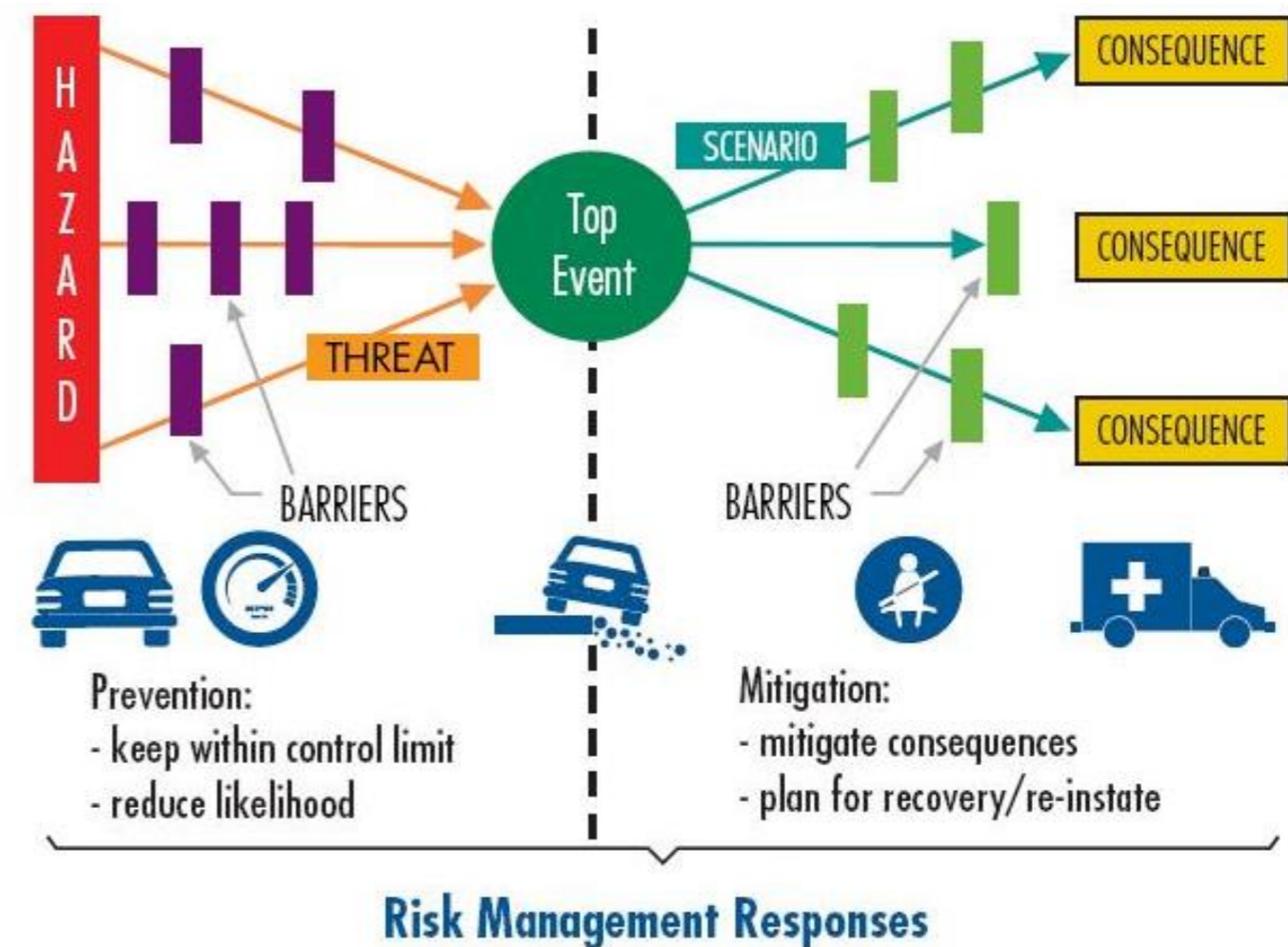
Journey Management significantly contributes to strengthening Road Safety Barriers:

➤ **90 % of safety and compliance barriers can be covered with a safe journey management system**

- Driver Compliance
- Vehicle Compliance
- Track safety and security violations during the journey
- Risk mitigation (security, weather conditions, route hazards)

➤ **A positive Journey Management solution will significantly strengthen road safety barriers through combination of:**

- effective Journey Management procedures
- real time journey monitoring
- maintaining drivers, vehicles, routes and contractors database
- using automated notifications in case of non compliance





Safety Barriers

Hazard Barriers	Journey Management Requirement	Journey Management contribution to strengthening Road Transport Hazard Barriers
Driver Compliance		
Have a valid driving license; complete required trainings for professional drivers including National, International and Company driver training where required; to drive be at least 21 years old	Yes	<ul style="list-style-type: none"> ▪ All required licenses and certificates can be tracked through Journey Management IT solution with alerts of expiry dates and non compliance ▪ Driver database can be created with all HSSE compliance requirements and trainings, including mechanism of non compliance alerts and notifications and tracking of personal data (including age requirements) ▪ Journey Management solution will allow to effectively plan duty, driving and rest hours, capture actual driving hours; capture daily vehicle checks in the system ▪ Integration with In Vehicle Monitoring Systems (IVMS) will allow the control and usage of seatbelts for drivers and passengers to be monitored
Do not operate a Vehicle while under the influence of alcohol, drugs, narcotics or medication that could impair driving ability	Yes	
Use three-point seatbelts at all times and make sure passengers do so	Yes	
Comply with the local legislative duty, driving and rest hours	Yes	
Does not use mobile phone for calls/messages while driving (exception is emergency case)	Yes	
Does not allow Unauthorized Passengers in the Vehicle	No	
Perform daily vehicle inspections	Yes	
Apply controls to make sure that the Vehicle is safe to load or unload, that the load is securely contained throughout the Journey, and that the load and Vehicle are stable	Yes	
Drive with lights on during daytime, except where prohibited by law.	Yes	
Vehicle Compliance		
Provide Vehicles that meet local legislation, include seatbelts and are fit for purpose based on an assessment of usage	Yes	<ul style="list-style-type: none"> ▪ Vehicle database can be created with all HSSE compliance requirements and vehicle details captured
Inspect Vehicles and maintain them in safe working order	Yes	
Managing Journey Compliance		
Implement a Journey Management Plan (JMP) for journeys exceeding 4,5 hours, or where a security assessment or local risk assessment identifies such a control to be necessary	Yes	<ul style="list-style-type: none"> ▪ Journey Management Plan and execution can be tracked in the real time with IVMS technology and all Journey Management Plan violations can be flagged to the Driver and the appropriate supervisor manager ▪ All journey details and after journey reports can be maintained in the Journey Management database ▪ Tracking all vehicles in real time and interacting with drivers in case of violations or incidents.
Periodically review the number of Journeys with the intent to eliminate Journeys and lower the risk.	Yes	
Provide random drug and alcohol checks for all Professional Drivers, where permitted by legislation.	Yes	
Use data from Vehicles equipped with an In Vehicle Monitoring System Or Vehicle Data Recorder (IVMS or VDR) to monitor HSSE compliance	Yes	
Additional Journey Management Barriers		
Apply additional safety requirements in case of severe weather conditions	Yes	<ul style="list-style-type: none"> ▪ The Journey Management solution should allow modifications of journeys in case of severe weather conditions and travel restrictions ▪ Effectively manage and adjust driving/rest hours ▪ Effectively identify utilization of both Vehicles and Drivers
Ensure Fatigue management during Ramadan / extended breaks	Yes	



Journey Management Key Deliverables

Visibility

- 100% visibility of all vehicle movements (Primary, Secondary and Grey Fleet)
- 100% visibility of all people movements (Where the company transports its own people using land transport)

- Preventing usage of transport services for unauthorised or non compliant travellers by tracking people on the bus/car

Standard Processes & Data

- Implementation of a Standard Journey Management process with enough flexibility to accommodate critical local requirements
- Standard KPIs and sufficient reporting capabilities based on standard data definitions

- Assurance of the right implementation and application of JM process to achieve land transport operational efficiency
- Defined reporting in line with the business requirements

Fit for Purpose IT Solution & Mobile Technologies

- Fit for purpose JM solution, applicable for different scale of operations and JM process maturity
- Strong integration of JM solution with IVMS

- Integration with the end-to-end people logistic solution for passenger manifesting
- Embedding effective mobility apps in day to day operations

Resource Optimization

- Improved vehicle utilization through combining journeys and optimizing number of journeys
- Optimization of drivers resource by better managing duty, rest and driving hours

- Usage of scheduled buses with better capacity as alternative to greater number of light vehicles journeys
- Better fleet management (maintenance, fuel, etc)

Comprehensive Reporting & Analytics

- Embedded analytics tools to enable optimization of vehicle and driver resources
- Reduced journey risks through better analysis of route hazards and security condition

- Analysis of driver behavior history
- Analysis of JMP violations and existing hazards that may lead to violations



Case Examples

Our client had a number of challenges, including where the vehicles were going and not where they thought they were going. By implementing a Journey Management System and linking it to the In Vehicle Monitoring Systems they were able to:

- 1) Reduce the number of Kilometres run each year across the fleet by over 15%
- 2) Significantly reduce fuel consumption and their carbon footprint
- 3) Increase driver and vehicle utilisation
- 4) Reduce the fleet size based on more accurate and intelligent data
- 5) Reduced the driver training costs by focusing onto the drivers with higher risk



By using the data from across the clients whole fleet, including primary and secondary it is possible to start building effective heat maps that show a complete picture of the road risk, including driver behaviour, exceeding company or legal speed limits, non compliance to set routes.

By utilizing this data individual driver behaviour can be monitored to reduce the risks that they directly impact.

Dispatchers and Schedulers can use the data to select different routes at different times of the day to reduce the overall road risk

Case Examples

Our Client wanted to understand how they could reduce the risks involved in their road transport operation. The operation involved a mixed fleet of light vehicles, buses, light and heavy trucks across a primary and secondary fleet.

By implementing a comprehensive Journey Management System combined with and their existing in vehicle monitoring system we were able to provide the visibility required including more robust reporting with greater data accuracy.

The client was able to use the advanced analytics involved to significantly reduce their road risk exposure by re-routing vehicles at certain times of the day and night to avoid high risk areas, such as avoiding schools or high congestion junctions or roads.





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Questions

For further information or an informal discussion then please contact

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As we are a global organisation, we will direct your enquiry to your regional partner to provide you with the assistance you require, they will then contact you.

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