















Analytics in Rail - How We Can Help

Employee Safety  <ul style="list-style-type: none"> Identify those at risk on this shift. Determine mitigating factors. 	Public Safety  <ul style="list-style-type: none"> Identify the riskiest grade crossings. Reduce trespassing incidents. 	Locomotive Reliability  <ul style="list-style-type: none"> Predict faults and failures. Reduce out-of-service days.
Network Operations  <ul style="list-style-type: none"> Increase system velocity. Reduce terminal dwell. 	Fuel Conservation  <ul style="list-style-type: none"> Quantify the impact of fuel saving technologies. Determine where and when to refuel. 	Forecasting  <ul style="list-style-type: none"> Predict demand by origin-destination-commodity. Maintain high parts service levels.
Crew Scheduling  <ul style="list-style-type: none"> Determine when to call in crews. Manage the extra board. 	Machine Vision  <ul style="list-style-type: none"> Find defects in images of passing cars. Improve bridge inspections with drone images. 	Wayside Detectors  <ul style="list-style-type: none"> Reduce false positives from hotbox detectors Optimize repair scheduling using WILD data
Positive Train Control  <ul style="list-style-type: none"> Reduce unintended braking. Determine impact on network velocity. 	Pricing  <ul style="list-style-type: none"> Set prices to maximize revenue. Segment customers. 	Law  <ul style="list-style-type: none"> Identify cases most likely to be litigated. Project litigation risk trends.

Our Rail Industry Clients



We Solve Complex Business Challenges

First Analytics designs and implements predictive analytics and machine learning solutions.

We span multiple industries and applications.

With an enabling engagement model, we team up with our clients to build their in-house capabilities and systems.

