



CANADA'S RAILWAYS

Data Sources in the Canadian Rail Sector

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Canada Moves by Rail

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Railway Association
of Canada

Presentation Outline

- The Canadian Rail Network
- Rail Data by Subject
- New Technologies
- Needs vs. Wants

The Canadian Rail Network



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Rail Data by Subject: Financial Data

- Objectives
- Main sources of data:
 - Statistics Canada
 - Transport Canada
 - Rail Companies

Rail Data by Subject: Operational Data

- Objectives
- Main sources of data:
 - Statistics Canada
 - Rail Companies

Rail Data by Subject: Safety Data

- Objectives
- Main sources of data:
 - Transportation Safety Board
 - Transport Canada
 - Statistics Canada

Rail Data by Subject: Environmental Data

- Objectives
- Main sources of data:
 - Environment and Climate Change Canada
 - Rail Companies

Sources of Data in Rail Safety



Ultrasonic Sensors



Drones

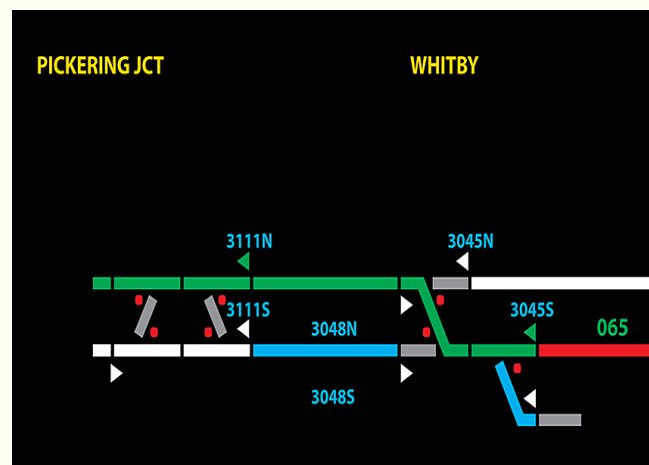


Wayside Detectors

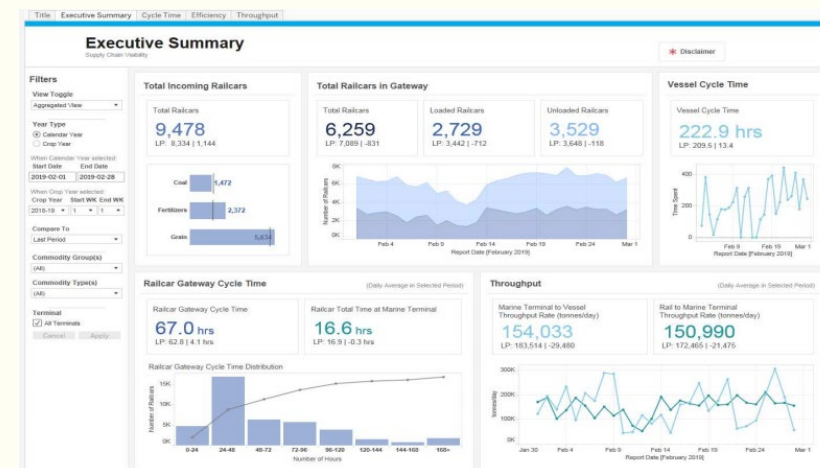
Sources of Operational



Live-Lift



Centralized Traffic Control
(CTC)



Predictive Analytics

Needs vs. Wants

- Passive vs. Active Data Collection
- Information Gaps