

PORT OF ANTWERP – HOW THE PORT OPTIMIZES LOGISTICS THANKS TO DATA SCIENCE



Issues and challenges

- real time tracking not possible
- Observing the vessels behavior
- Optimize vessel traffic
- Become the Port of Analytics



Solution

- Process AIS signals to a real-time Data Lake
- Historize ALL data
- Implement advanced analytics (heatmaps, collision, signal black spots, container recognition...)



Results and Benefits

- Monitor & act on traffic hotspots, dock occupancy, hazardous goods movement
- Proactively directing vessels
- Optimize avoid traffic hotspots
- Spot and analyze signal blind spots