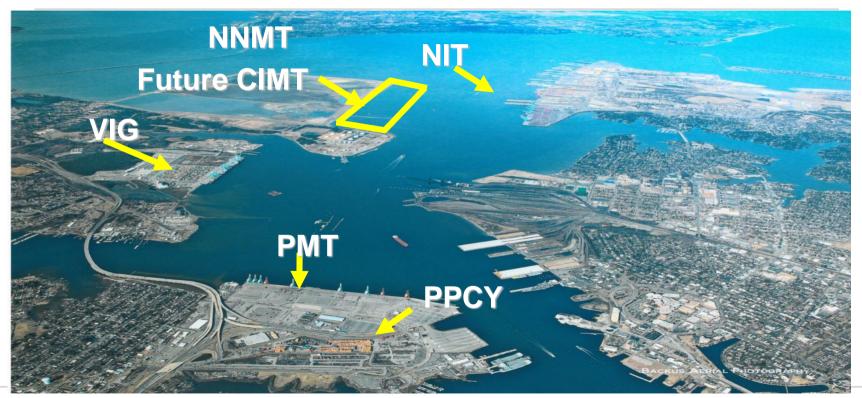


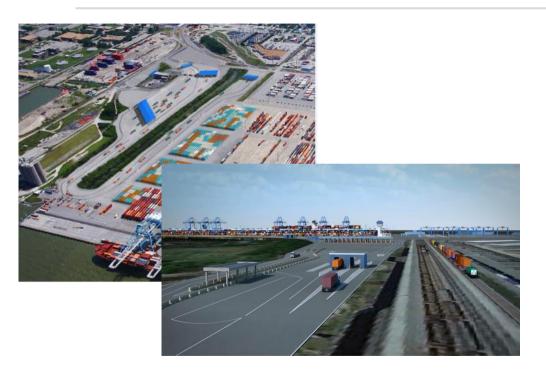
HAMPTON ROADS HARBOR







Automated Gate Technology



- Automated Truck Identification (RFID)
- Biometric TWIC Security Validation
- Remote Damage Inspection
- Optical Character Recognition
- Fully Automated Outgate Process
- Weight In Motion Scaling North Gate
- PRO-PASS Truck Reservation System











Semi-Automated Rail Interchange



- Remote Damage Inspection
- Weight-In-Motion Scaling
- Automated UTR Identification
- NIT 3 OCR Portals (1 x Bi-directional Lane)
- VIG 4 OCR Portals



Fully Automated





Semi-Automated







- Fully Automated
 - Automated horizontal transport
 - AGVs, Automated Shuttle Trucks
- Semi-Automated
 - Operator driven transport
 - Shuttle Trucks, UTRs



PROs

Semi-Automated

- Safer
- Higher Productivity Possible
- Flexibility

Automated

- Safest
- Consistent Productivity



CONs

Semi-Automated

- Variability
- More to Manage
- Labor Expense

Automated

- Higher Infrastructure Cost/Requirements
- Less Flexibility

















Thank you

