



Business benefits – Digitalising port operations

Lars Tingström, CEO of Hogia Terminals and Logistics

Presentation

- Digitalisation between modes of transport
- Digitalisation of the whole port process
- Business benefits



Integrated modes of transport for more efficient port operations

Ferry



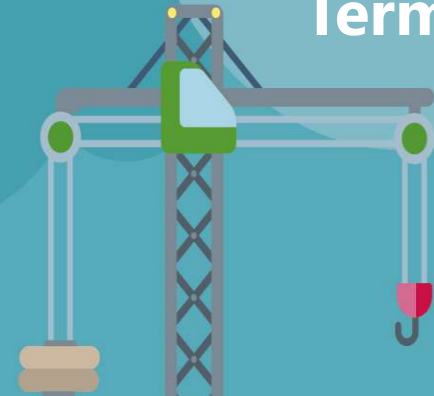
Public Transport



Logistics



Terminal



TRENDS

Digitalisation between modes of transport

- All data needs to be digital
- All data must be available in real-time
- Standardisation
- Automated processes



DIGITALISING PORTS OPERATIONS

Port Automation

- Previously bespoke solution
– now standard solutions
- Technology now accessible
for smaller terminals



DIGITALISING PORTS OPERATIONS

Port Automation

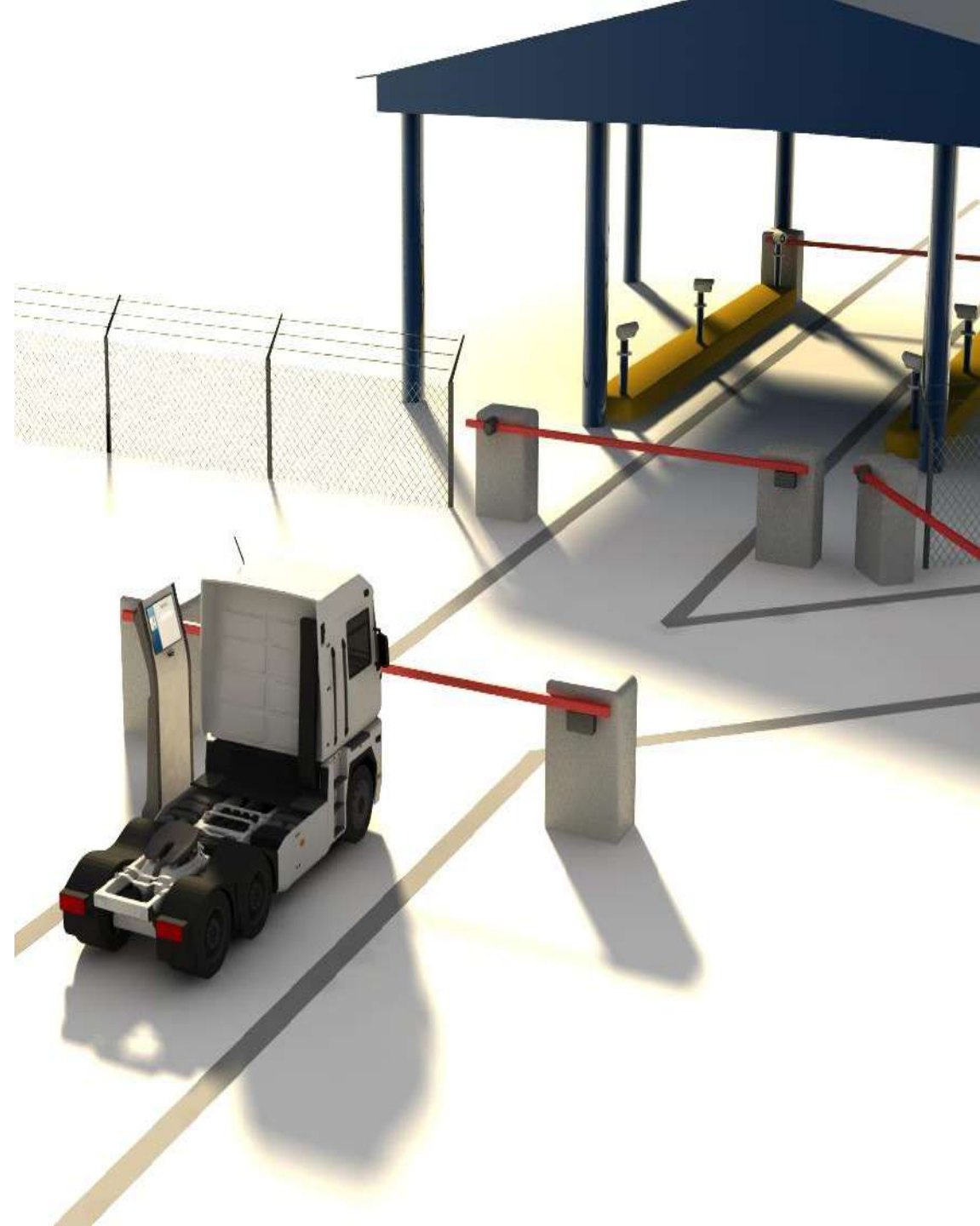
Fastest improvements come from:

- Automated real-time integrations
- Automated processes in the yard
- GPS – know where units are in real-time
- Automated gate processes



Automated Gates

- Gate-in process – QR code
- Generate orders for placing the unit automatically
- Security, ANPR, OCR
- Damage inspection + measuring length, height, weight..
- Include hauliers – Pre-advices, slot times



Real-time Integration

- All stakeholders updated in real-time
- Ferry delayed?
- Reduced waiting time for drivers
- Reduced traffic/environmental impact
- Improved utilisation and planning of resources
- Eliminate human errors
- Reduce paper work



DIGITALISING PORTS OPERATIONS

Automated Yard operation

- Automatically generated orders
- Positioning via GPS for all units
- Automatic weighing with integration
- Graphical overview and monitoring
- Autogenerated suggestions for drop locations
- Automated invoice date, fees/rent etc



DIGITALISING PORTS OPERATIONS

Business benefits

- Happier workforce
- Improved efficiency, profitability and safety.
- Better control; historical data
- Reduced environmental impact
- Reduced risk for traffic congestion



DIGITALISING PORTS OPERATIONS

Business benefits

- Reduced paper work
- Yard capacity maximisation
- Service Level – Self service e.g. app with slot times
- Show KPIs for different customer groups / (BI)

