

European Intermodal Summit 2020

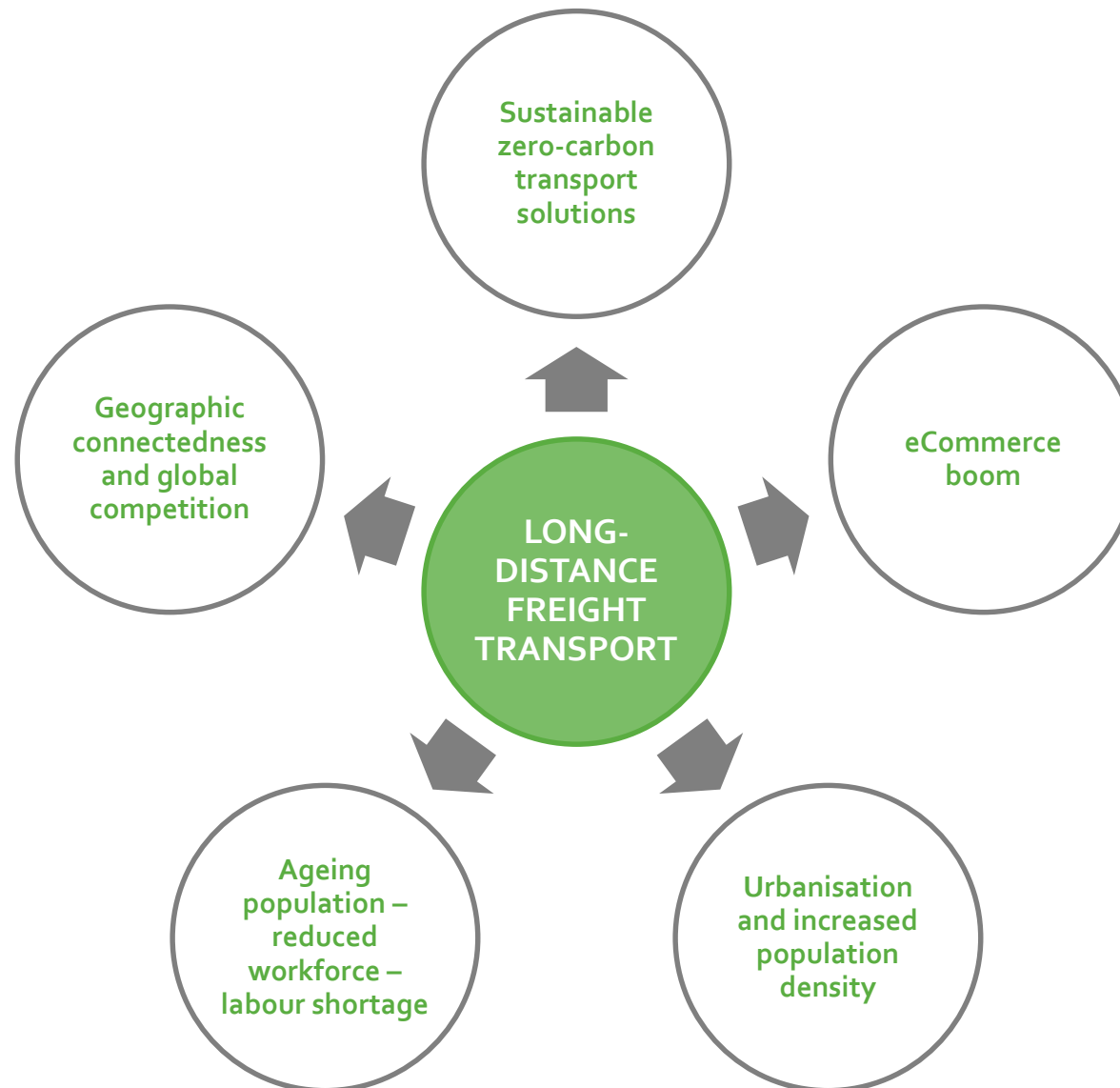
COMBINED TRANSPORT AND THE CHALLENGES OF THE PRESENT



Ralf-Charley SCHULTZE
President

The freight transport challenges of the present

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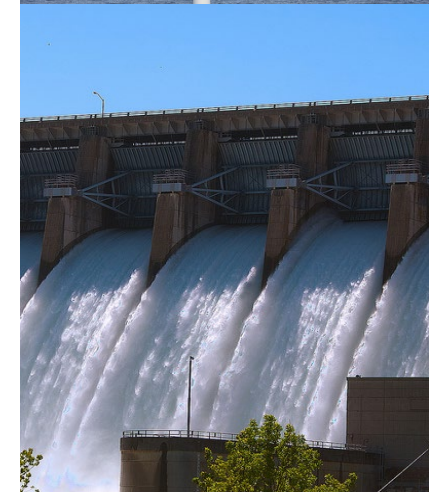


Sustainable zero-carbon transport solutions: electric propulsion

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- The power of the wind, the sun and gravitation turned into freight transport: electric rail on the longer distance segments and electric trucks on the short, urban runs connected at electrically powered terminals to produce a zero-carbon transport-chain



- **Intermodal shuttle concept:**
frequent intermodal shuttle trains consisting of efficient wagons travelling on high quality train paths – at timetable speeds of over 100 km/h – to connect the entire continent
- **Interconnectedness of actors:**
rail, waterborne, road operators, as well as terminals, ports and infrastructure managers are digitally connected with shippers and consignors



Urbanisation and increased population density: urban terminals

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- **Quieter**: electric terminals with quiet and zero-emission automated crane operation
- **Closer**: near urban areas
- **Complex services**: value added services to enable precise deliveries



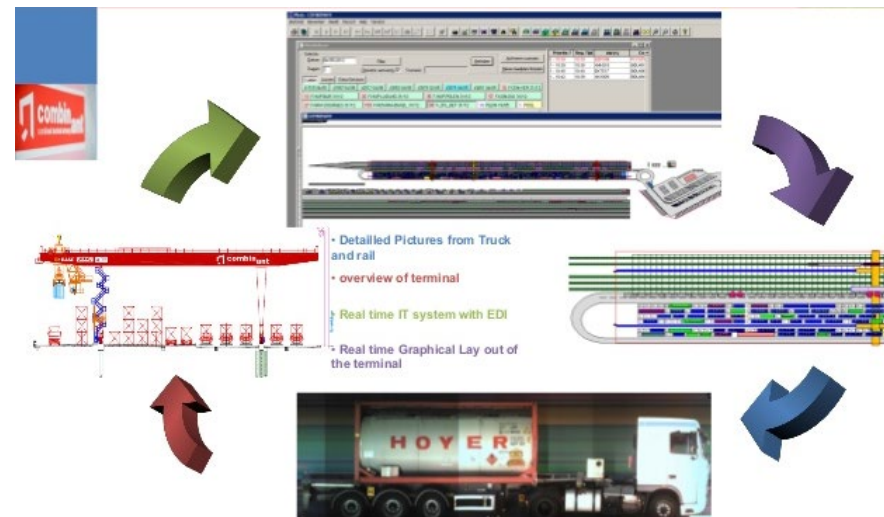
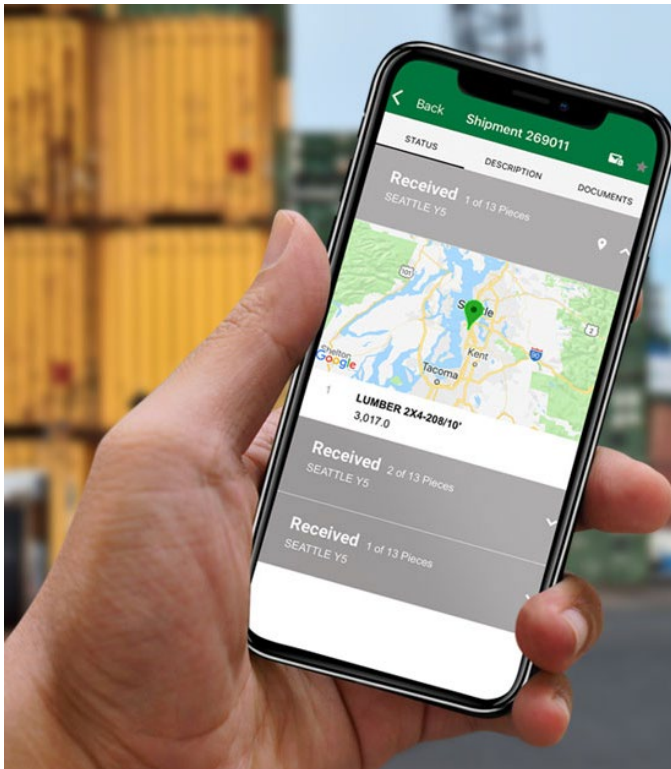
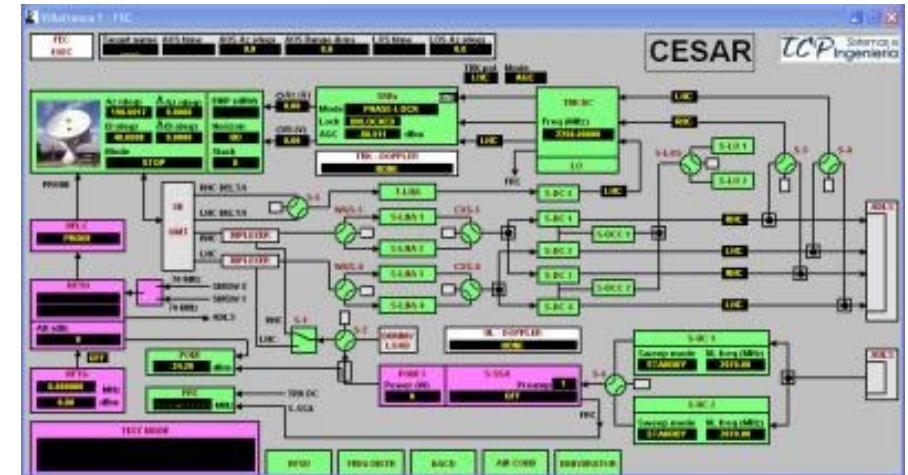
- **A single driver on the long sections:**
a locomotive driver or a skipper of a barge “drives” 50-100 truckloads on the longer sections



- **An intermodal trucker:**
drives as a day job, returns home to his family every night



- **Digitalisation to mitigate complexity:**
standardised data-messages, blockchain solutions,
end-to-end tracking and tracing, quality management
supported by digital data, interconnected systems



Role of the industry association: managing relationships

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Standardization and industry best practice development



- EN13044 on marking of ILUs and codification
- Standards on: 45ft rectangular EU container stackable swap-bodies, craneable semi-trailers load securing (road, rail)



INTERNATIONAL RAILWAY
SOLUTIONS RELATED TO
COMBINED TRANSPORT

UNION INTERNATIONALE DES CHEMINS DE FER
INTERNATIONALER EISENBAHNVERBAND
INTERNATIONAL UNION OF RAILWAYS

UIRR CT LOAD SECURING GUIDELINES



OTIF
electronic consignment note
for Combined Transport



