What is the role for technology and innovation in global logistics?

IT on rail in Global Logistics

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IT is an essential part of Logistic

Unthinkable
Impractical
without

IT, WWW, EDI
IT is seen as a toolset to support the execution of existing business processes

- to be more reliable
- to be more efficient
- to be cheaper

which is true, but enough
IT as basis for business processes

Functional equivalence

Carril Freight
Electronic Consignment Note (ECN)

- Electronic data exchange of Consignment Note Data
  - between all involved parties
  - Simultaneously with data entry

- Paperless Transport;
  - Information flow will be independent from and
  - ahead of the physical train movement

- Data available at any time
  - by all kind of technical devices
  - as print out
  and where needed
  - Rail production and commercial facilities
  - Customs and other supervisory authorities

- Interoperable in different legal areas (CIM/SMGS)
Legal specifications done
• for CIM
• e-RailFreight is part of the CIT/OSShD-project „Interoperability CIM/SMGS“

Functional and technical specifications done
• content of the messages, message structure and flow
• data catalogue, definition of codifications / code lists
• rights of access to the data
• mixed system

In operation
Transport time

11,000 km

40 - 45 Days

20 - 23 Days

15 - 18 Days
Save money and better the quality

- Reduction of rolling stock time of circulation
- Reduction of cost for operational work
- Reduction of cost for administrative work

- Shorter Transport Time
- More reliable with less delays
- Information ahead of transport
- Better revenue process
  - reliable between railway companies
  - correct customer invoices
In the tough competition of the logistic market

IT will be the difference