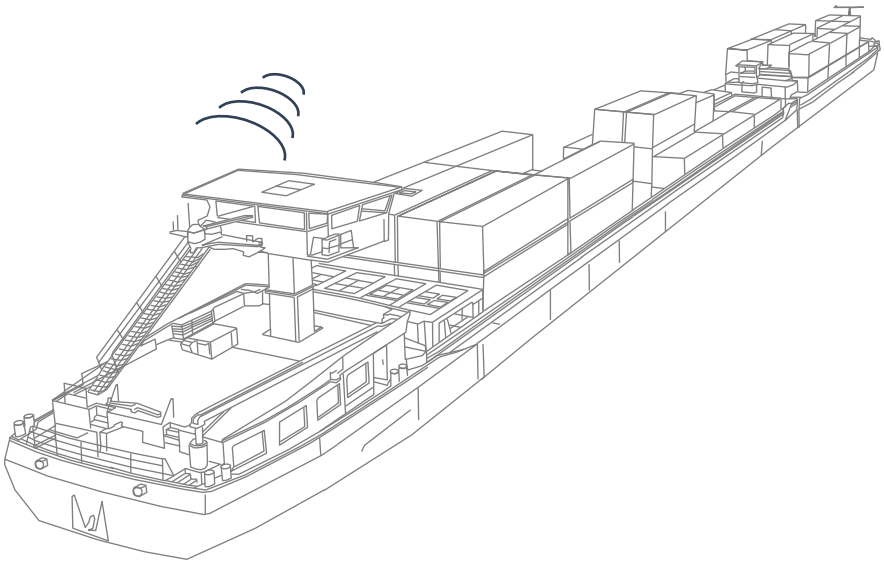




5. RIS Workshop 17.10.2017

Future development of RIS - from the point of view of an inland (container) carrier

Danser Switzerland Ltd
Heinz Amacker / General Manager



4 own push-tow
Combination
+
60 charter ships
(>1.3 Mio. TEUS a year)


LNG Project
Eiger-Nordwand


Co-financed by the European Union
Trans-European Transport Network (TEN-T)


Future development of RIS - from the point of view of an inland (container) carrier

Essentials for the security

- AIS
- ECDIS
- Electronic reporting (BICS)

AIS 

ECDIS 

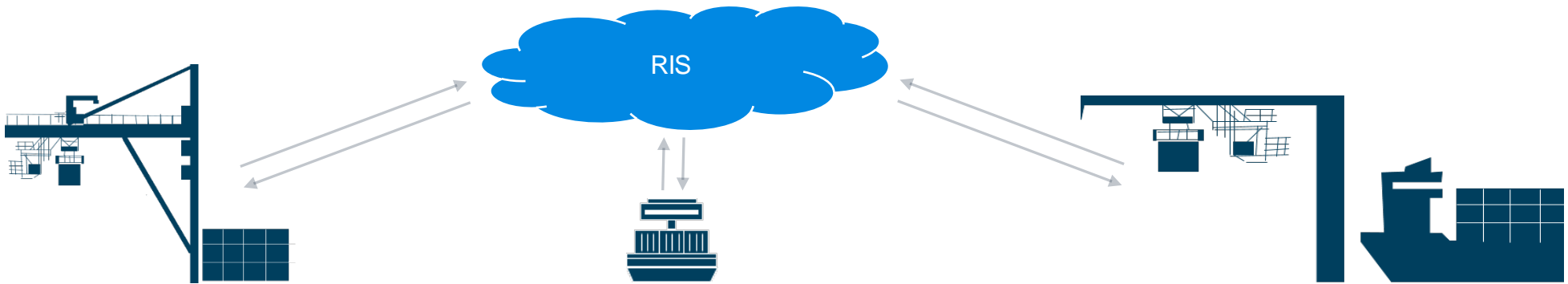
ADN 



Future development of RIS - from the point of view of an inland (container) carrier

Plattform B2B – Transport Management (River Supply Chain)

- Data interchange between Terminal / Carrier / Maritime ports (based UN-EDIFACT)
- Necessary for integration in Logistic Supply Chain – mainly container carrier
- Investment manageable – high benefits for all stakeholders



The screenshot shows a complex web interface for the RIS. It includes several panels: 'Ladung' (Cargo) with a list of items, 'Reise Details' (Trip Details) with a table of dates and statuses, 'Ship view' with a 'PLANBOARD' showing a timeline of events, and a map of a river network. The interface is designed for detailed operational management.

Future development of RIS - from the point of view of an inland (container) carrier

Plattform B2B – Transport Management (*River Supply Chain*)

- Integration inland container carrier in the entire supply chain
- Integration of container carrier in the costumers supply chain
- Fit into just in time supply chain (T+T)
- Absolut must for future

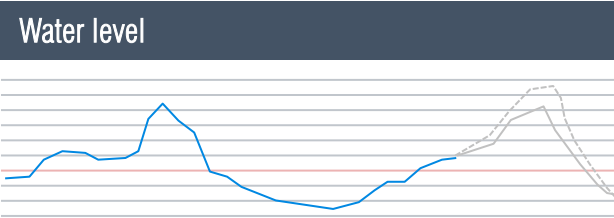


Zeit	Wsk	Wsk	Wsk
04.03.2017 10:00	Beladung	OK	OK
04.03.2017 10:45	Beladung	OK	OK
04.03.2017 12:00	Beladung	OK	OK
04.03.2017 14:30	Beladung	OK	OK
04.03.2017 16:00	Beladung	OK	OK
04.03.2017 18:00	Beladung	OK	OK

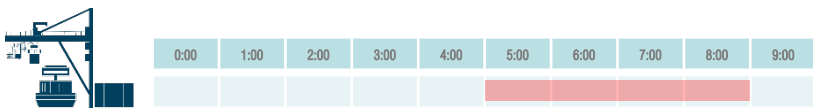
Future development of RIS - from the point of view of an inland (container) carrier

Nautical Information

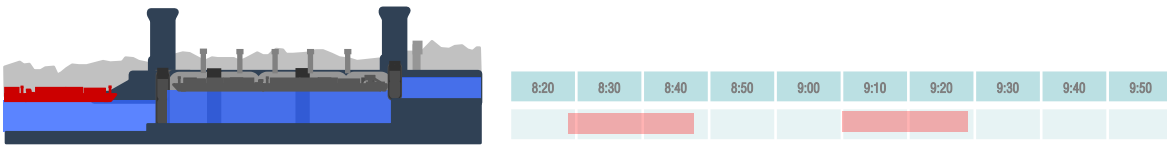
- Information to max. loaded draft – optimal use of barge capacity
- water-level, reliable prediction / forecast
- Infrastructure status information (planning)
- Lock planning



Infrastructure status information



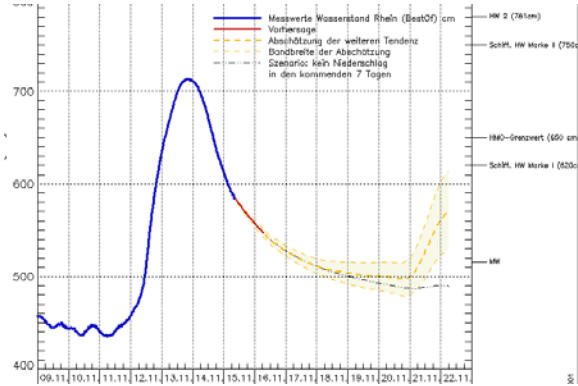
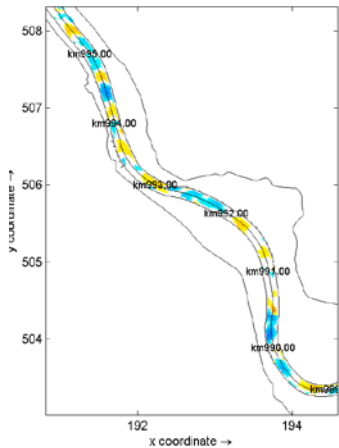
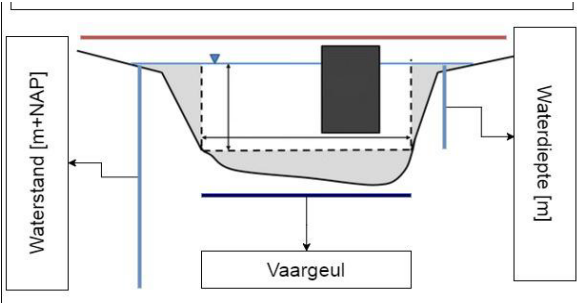
Lock planning



Future development of RIS - from the point of view of an inland (container) carrier

Nautical Information

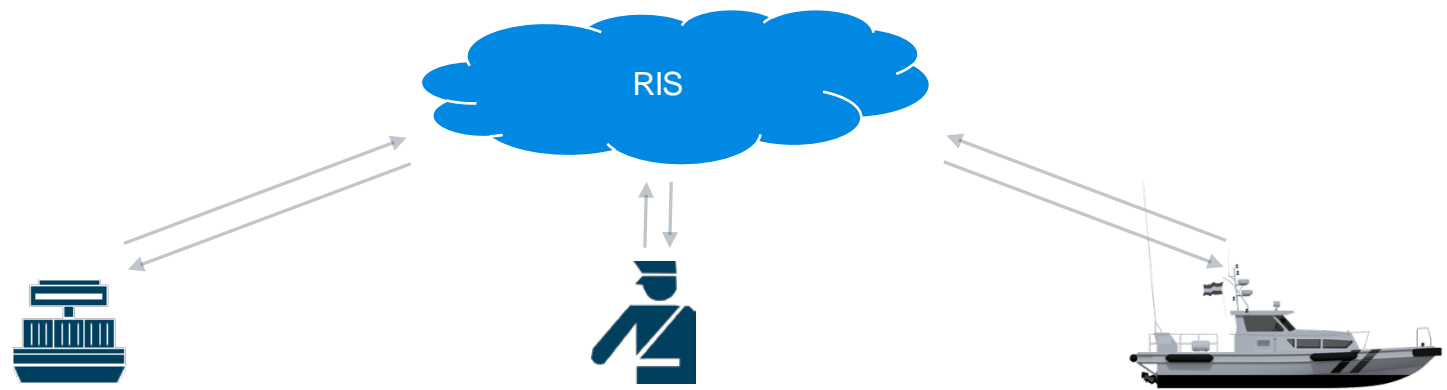
- Climate change has direct influence to the water level. Frequently low water period will increase.
- Short to medium term, barge operators need to have accurate data to manage their capacity as well as possible
- Barge operators to be reliable partner for forwarders even during low water
- Target is to manage low water period more efficient



Future development of RIS - from the point of view of an inland (container) carrier

RIS for authorities (certainly based on strict access rights mechanisms)

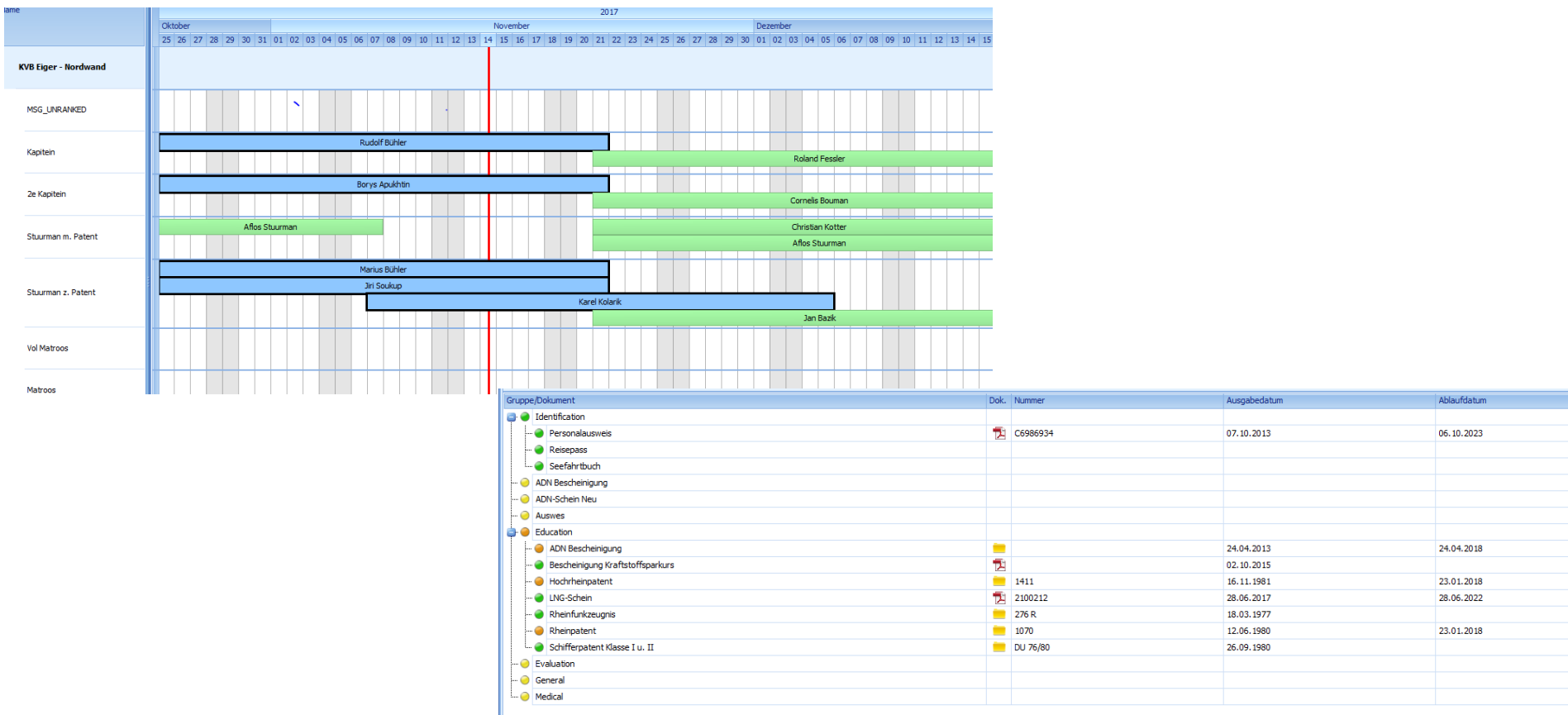
- Custom / harbor authorities / water police
- Vessel inspection authorities
- Electronic logbook inland shipping



Future development of RIS - from the point of view of an inland (container) carrier

RIS for authorities (certainly based on strict access rights mechanisms)

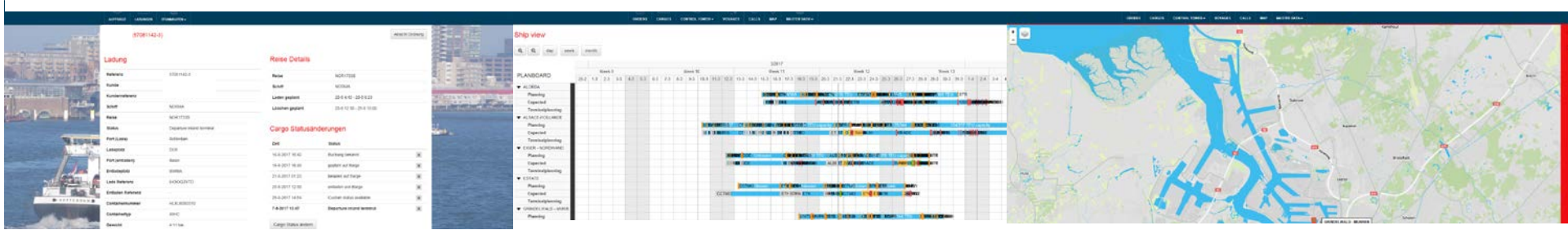
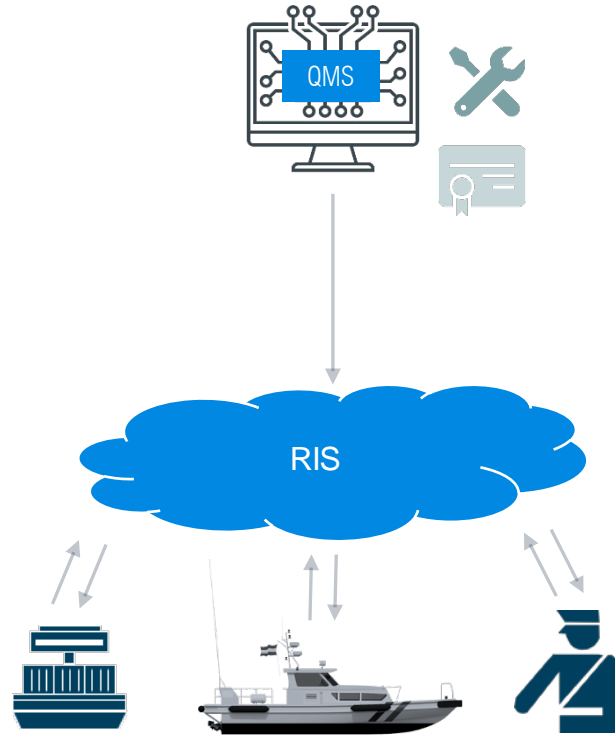
- B2A / direct access via certified software (QMS) on barges
- Full transparency between barge operators and authorities – space for pragmatic agreements



Future development of RIS - from the point of view of an inland (container) carrier

Paperless administration

- Specific request for software development (QMS – quality management systems)
- Validation by authority (RIS)
- Transport documents (custom)
- Full transparency between barge operator and authorities build up trust



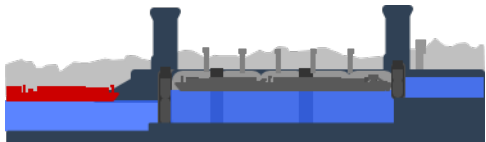
Future development of RIS - from the point of view of an inland (container) carrier

Paperless administration

- B2A / direct access via certified software (QMS) on barges
- Digital signature for all documents

Document Name	Category	Validity Status
Oilkontrollbuch Eiger	Statutory (13)	Valid (green dot)
Funkkonzession - Maritim mobil Eiger	Statutory (13)	NO EXPIRY DATE (green icon)
Oilkontrollbuch Nordwand	Statutory (13)	Valid (green dot)
Funkkonzession - Maritim mobil Nordwand	Statutory (13)	NO EXPIRY DATE (green icon)
Rijnvaartverklaring Eiger & Nordwand	Statutory (13)	NO EXPIRY DATE (green icon)
Bewilligung Gebirge	Statutory (13)	Valid (green dot)
Tanktabelle LNG	Statutory (13)	NO EXPIRY DATE (green icon)
Certificate of insurance Casco	Statutory (13)	Valid (green dot)
P&I Verzekering	Statutory (13)	Valid (green dot)
E - NIWO Afvalstoffen	Statutory (13)	Valid (green dot)
Bewilligung Abfallstoffe Belgien	Statutory (13)	Valid (green dot)
E - Ausrüsterbescheinigung SRH	Statutory (13)	NO EXPIRY DATE (green icon)
N - Ausrüsterbescheinigung SRH	Statutory (13)	NO EXPIRY DATE (green icon)
Certificaat van Onderzoek Eiger	Class certificates (20)	Valid (green dot)
Certificaat van Goedkeuring ADN Eiger	Class certificates (20)	Valid (green dot)
Eichschein Eiger	Class certificates (20)	Valid (green dot)
Meggatest Eiger	Class certificates (20)	Valid (green dot)
Ruderanlage 3 jährliche Inspektion	Class certificates (20)	Valid (green dot)
Ruderanlage jährliche Inspektion	Class certificates (20)	Valid (green dot)
Bescheinigung AIS, Radar, Wendeanzeiger	Class certificates (20)	Valid (green dot)
Certificaat van Onderzoek ADN Nordwand	Class certificates (20)	Valid (green dot)
Certificaat van Goedkeuring Nordwand	Class certificates (20)	Valid (green dot)
Eichschein Nordwand	Class certificates (20)	Valid (green dot)
Auto 10 Jahres Zertifizierung	Class certificates (20)	Valid (green dot)
Meggerrapport (N)	Class certificates (20)	Valid (green dot)
Autokran	Class certificates (20)	Valid (orange dot)
Bescheinigung AIS, Radar, Wendeanzeiger Nordwand	Class certificates (20)	Valid (green dot)
Kuppeltaue Eiger	Class certificates (20)	NO EXPIRY DATE (green icon)

Future development of RIS - from the point of view of an inland (container) carrier



RIS has potential to bring inland barging into the next level related to security, compliance, integration entire supply chain, climate change (low water periode)

