

# Digitalization of Inland Waterways

**Inland Shipping Week | DIWA – Masterplan Digitalization of Inland Waterways | Brussels | 22 March, 2023**

Heinrich Kerstgens, Corporate Representative, Director Board Projects for Rhenus Group

# A STRONG FAMILY: RHENUS IS PART OF A SERVICE GROUP

You are in good company with us. We are part of the international RETHMANN Group – which offers forward-looking solutions for logistics, recycling, agriculture and the food and energy sectors – and for mobility and public transport too.



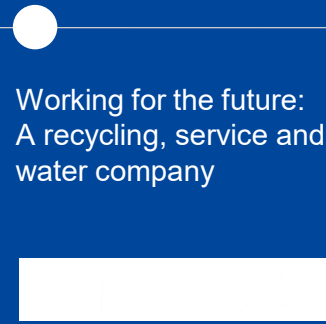
The full range  
of logistics services

 41,470 employees

 8.8 bn

 1,120 locations

 60+ countries



Working for the future:  
A recycling, service and  
water company

 42,000 employees

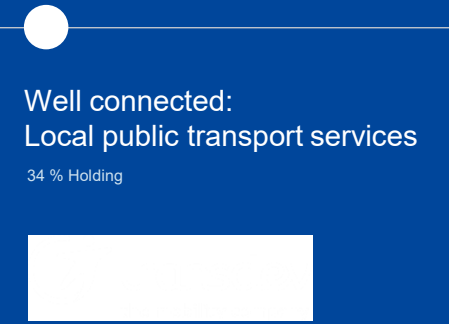
 12.1 bn



Sustainable solutions:  
Reliable services and high-quality  
products made from organic  
resources

 10,500 employees

 3.8 bn



Well connected:  
Local public transport services

34 % Holding

 103,600 employees

 9.3 bn

# DIVISION & BUSINESS UNIT STRUCTURE



## AUTOMOTIVE



## WAREHOUSING SOLUTIONS

- Warehousing
- Air Cargo Handling
- Office Systems



## ROAD FREIGHT

- Road Freight
- Special Delivery
- ALS Customs



## PORTS (SEA & INLAND)

- Ports
- Shipping
- Rail
- Contargo



## AIR & OCEAN TRANSPORT

- Air Transport
- Ocean Transport
- Other Transport
- Intermodal Systems
- Commodity Logistics
- Project Logistics

# THE REFERENT

Carpenter and a degree in computer and business studies

- More than 30 years of working in transportation
- Corporate Representative of Rhenus Group
- Managing Director of Rhenus Assets & Services GmbH & Co. KG
- Member of the Board of Studiengesellschaft für Kombinierten Verkehr, Berlin (SGKV)
- Member of the expert committee combined transport of the Bundesverband der Deutschen Binnenschifffahrt, Duisburg (BDB)
- Member of the expert committee digitalisation of the Verein für europäische Binnenschifffahrt und Wasserstraßen, Duisburg (VBW)
- Member of the expert committee barge of the Verein für europäische Binnenschifffahrt und Wasserstraßen, Duisburg (VBW)
- Member of committee innovation and greening of the Inland Waterway Transport Platform, Brussels (I&G IWT)



**Heinrich  
Kerstgens**



**Born 1966**

## DIGITALIZATION PROJECTS - INLAND WATERWAY TRANSPORT



- Fleet positions and routing



- Remote controlled inland vessel



- Semi-autonomous shipping - Remote navigation



- Certified Pick up  
An innovative solution for releasing containers in the Port of Antwerp



- Ship registration system for Hinterland ports



NEXTLOGIC

- Planning for the handling of inland container shipping in the Port of Rotterdam



**THANK YOU**

**Heinrich Kerstgens**

Corporate Representative  
Director Board Projects  
Rhenus Group

[heinrich.kerstgens@de.rhenus.com](mailto:heinrich.kerstgens@de.rhenus.com)

# Backup



Take the better route!

Afsprakenoverzicht

Reis zoeken

Bunkerstanden

Bakken verhalen

Pegelstand

## Afsprakenoverzicht van lichter Millennium

Aankomst

Start

Einde

Vertrek

Aantallen

Opmerking toevoegen

BICS aanvragen

● Entry

● Exit

● Afspraak recent aangepast

● Aantallen gewijzigd

Terminal	Rotatie	Aanvraag	Plan.	Aankomst	Start	Eind	Vertrek	# Laden	# Lossen	Laadreis	Losreis	BTS nr./ call-ID	Opmerking	✓					
WO		08-03	02:00	08-03	02:00	08-03	03:00	08-03	03:00	08-03	16:00	08-03	16:00	72	0	389463			✓
LH		08-03	20:00	08-03	20:00	08-03	20:00	08-03	20:00	08-03	23:05	08-03	23:05	70	0	389463			✓
MA		09-03	00:00	09-03	00:00	09-03	00:00	09-03	01:05	09-03	03:00	09-03	03:00	14	0	389463			✓
HEINENOORDTUNNEL	22161	10-03	18:00																
APM2	22161	10-03	21:00	10-03	21:00	10-03	23:45	11-03	00:00	11-03	00:20	11-03	00:20	0	12		389463	12077638	✓
RWG	22161	10-03	22:15	10-03	22:24	10-03	22:09	10-03	22:09	10-03	23:31	10-03	23:31	0	21		389463	12077749	✓
DDE	22161	11-03	01:15	11-03	05:19	11-03	05:01	11-03	05:15	11-03	14:11	11-03	14:11	0	85		389463	12077684	✓
EUMAX	22161	10-03	23:15	11-03	16:32	11-03	16:32	11-03	16:32	11-03	17:10	11-03	17:10	0	19		389463	12077729	✓
KRD	22161	11-03	23:45	11-03	23:45	11-03	18:04	12-03	06:00	12-03	09:05	12-03	09:05	80	6	389488	389463	12077745	✓
HPD2	22161	11-03	08:15	12-03	10:11	12-03	10:00	12-03	10:00	12-03	10:25	12-03	10:25	0	13		389463	12077737	✓
HEINENOORDTUNNEL	22161	13-03	06:00																
DDE	22161	11-03	09:15	13-03	10:00	12-03	11:00	13-03	04:54	13-03	09:52	13-03	12:00	156	0	389488		12077702	
MA		16-03	06:00	16-03	06:00	15-03	22:30	15-03	22:30	15-03	23:59	15-03	23:59	0	80		389488		✓
WO		16-03	15:00	16-03	15:00	16-03	07:36	16-03	07:36					0	156		389488		
WO		16-03	23:00	16-03	23:00									229	0	389416			
HEINENOORDTUNNEL	22400	19-03	22:00																
UCT	22400	21-03	12:00	21-03	12:00									130	0	389490		12216701	
UWTFR	22400	21-03	18:45	21-03	18:45									40	0	389490		12216787	
BRIENENOORDBRUG	22400	22-03	04:00																
LH		24-03	06:00											0	110		389490		



# FlotaMap

