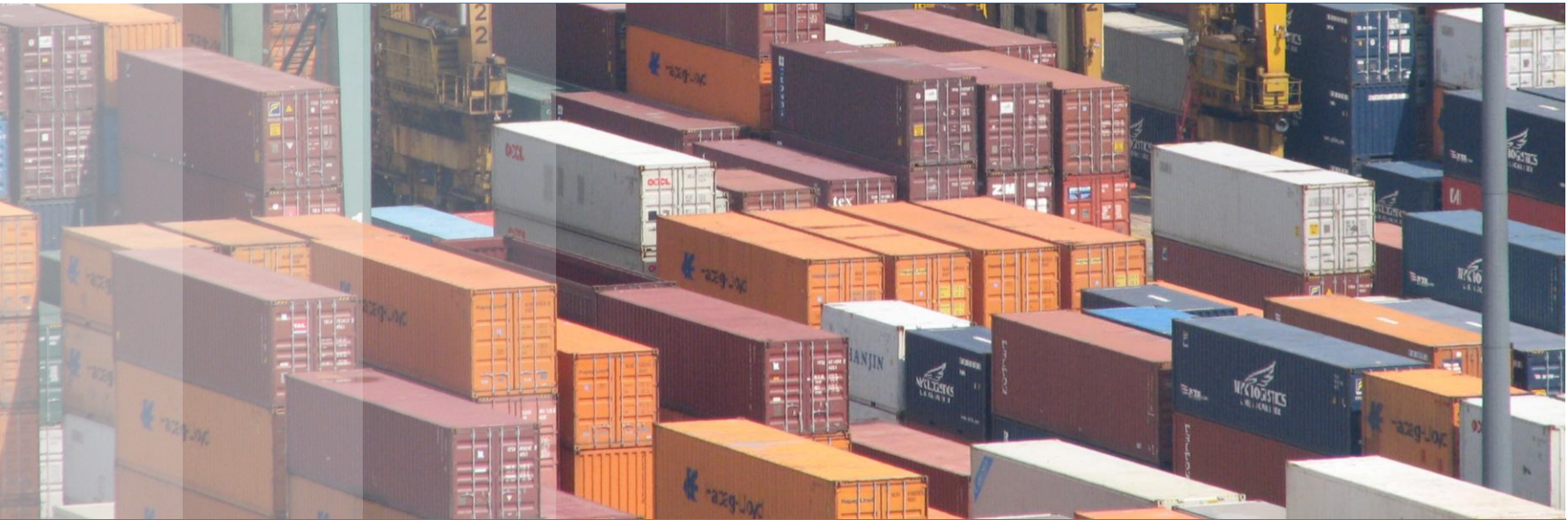


**SOFTWARE SOLUTIONS FOR
TRANSPORT AND LOGISTIC**

DAKOSY
Datenkommunikationssystem AG



Paperless Port with DAKOSY

Evelyn Eggers, Director Sales Department

DAKOSY Datenkommunikationssystem AG

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Phone: +49 / 40 / 37 00 3 – 0

Basler Straße 115, 79115 Freiburg i.Br.
Phone: +49 / 761 / 4787 – 182

www.dakosy.de, info@dakosy.de

Agenda

DAKOSY

- Company-Profile
- Paperless Port with DAKOSY
- The Single-Window-Principle
- Single Window @ DAKOSY:

Single Window Solutions for Single Sectors

- Quay Operator /Terminal
- Carrier
- Forwarder

Intersectoral Processes in the Single Window

- PRISE – Port River Information System Elbe
- GEGIS – Monitoring Dangerous Cargo
- ZAPP – Monitoring Export in the Paperless Port

EPCSA

Company profile

Name and adress :	DAKOSY Datenkommunikationssystem AG Mattentwiete 2, 20457 Hamburg Phone: +49 40 37003-0 Fax: -370 Email: info@dakosy.de www.dakosy.de
Established:	1982
Management Board:	Dieter Spark, Ulrich Wrage
Employees:	230 (incl. Subsidiary CargoSoft GmbH Bremen)
Capital:	1.53 mil. €
Shareholder:	Seaport Industry of Hamburg
Turnover 2013:	26,2 mil. €
Service times:	24/7

Shareholder of DAKOSY

33,3 % DIHLA: DAKOSY Interessengemeinschaft Hamburger **Linienagenten GmbH**

examples:



33,3 % DIHS: DAKOSY Interessengemeinschaft Hamburger **Spediteure GmbH**

examples :



33,3 % DHU: DAKOSY Interessengemeinschaft Hamburger **Umschlagsbetriebe GmbH**

examples :



Main focus on:

PORT COMMUNICATION SERVICES

Our **Port Communication Services** for all companies and government agencies involved in the export - , import - and transit - processes

CUSTOMS HANDLING

Our solution **ZODIAK** - efficient electronic customs clearance in Germany, Austria, Switzerland and the Netherlands

FREIGHT FORWARDING

CargoSoft – integrated, deployable nationally and internationally, platform-independent solution for air and sea freight handling

Intermodal Transport

Our solutions for the intermodal transport connects all relevant parties in organizing the optimized hinterland transportation

Port Communication Services



Hamburg – Paperless Port

EMP – **E**xport **M**essage **P**latform

IMP – **I**mport **M**essage **P**latform

Specific services, with integration in EMP and IMP:

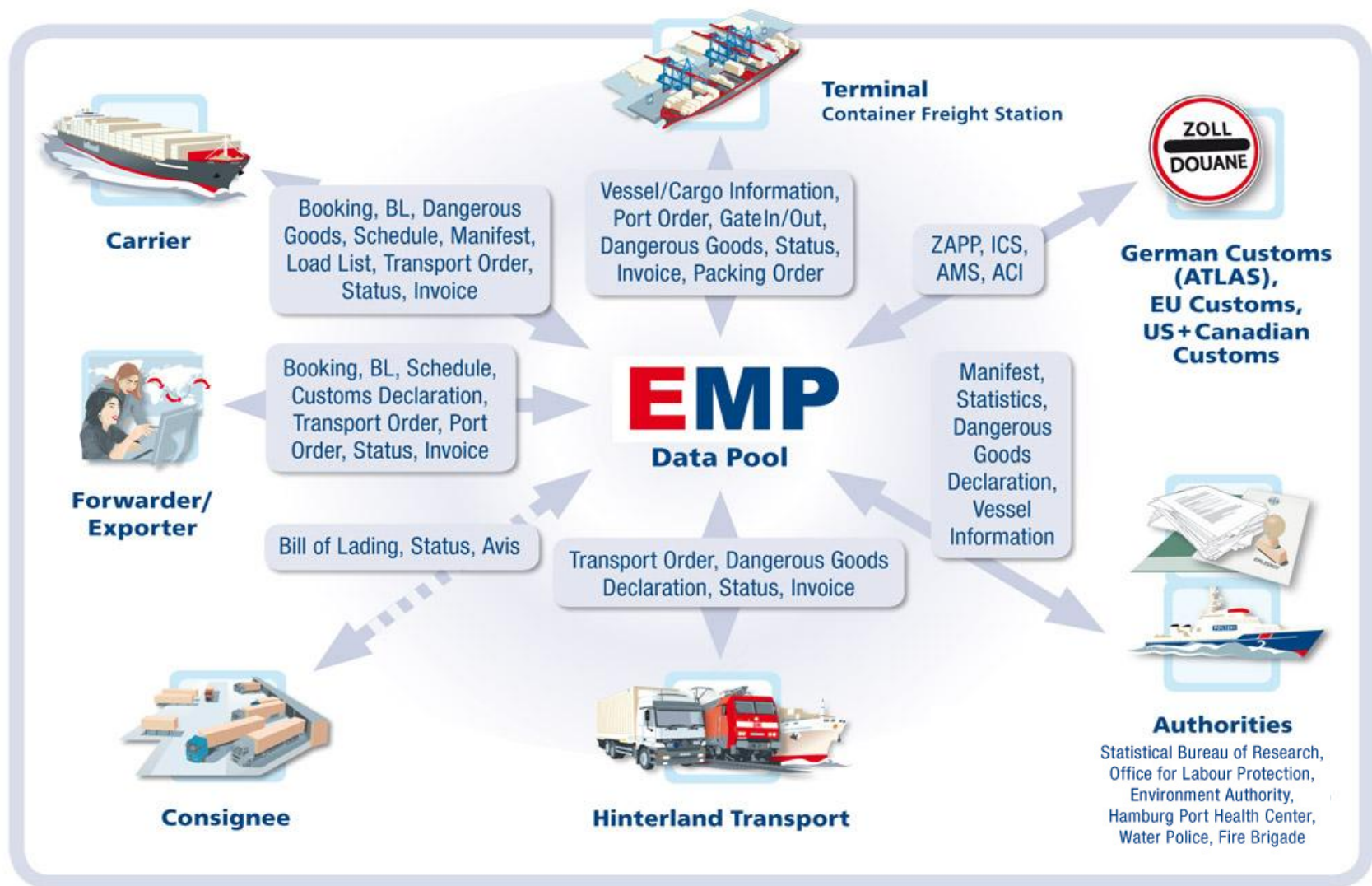
PRISE – Port River Information System Elbe

ZAPP – Customs Export Monitoring Platform in the Paperless Port

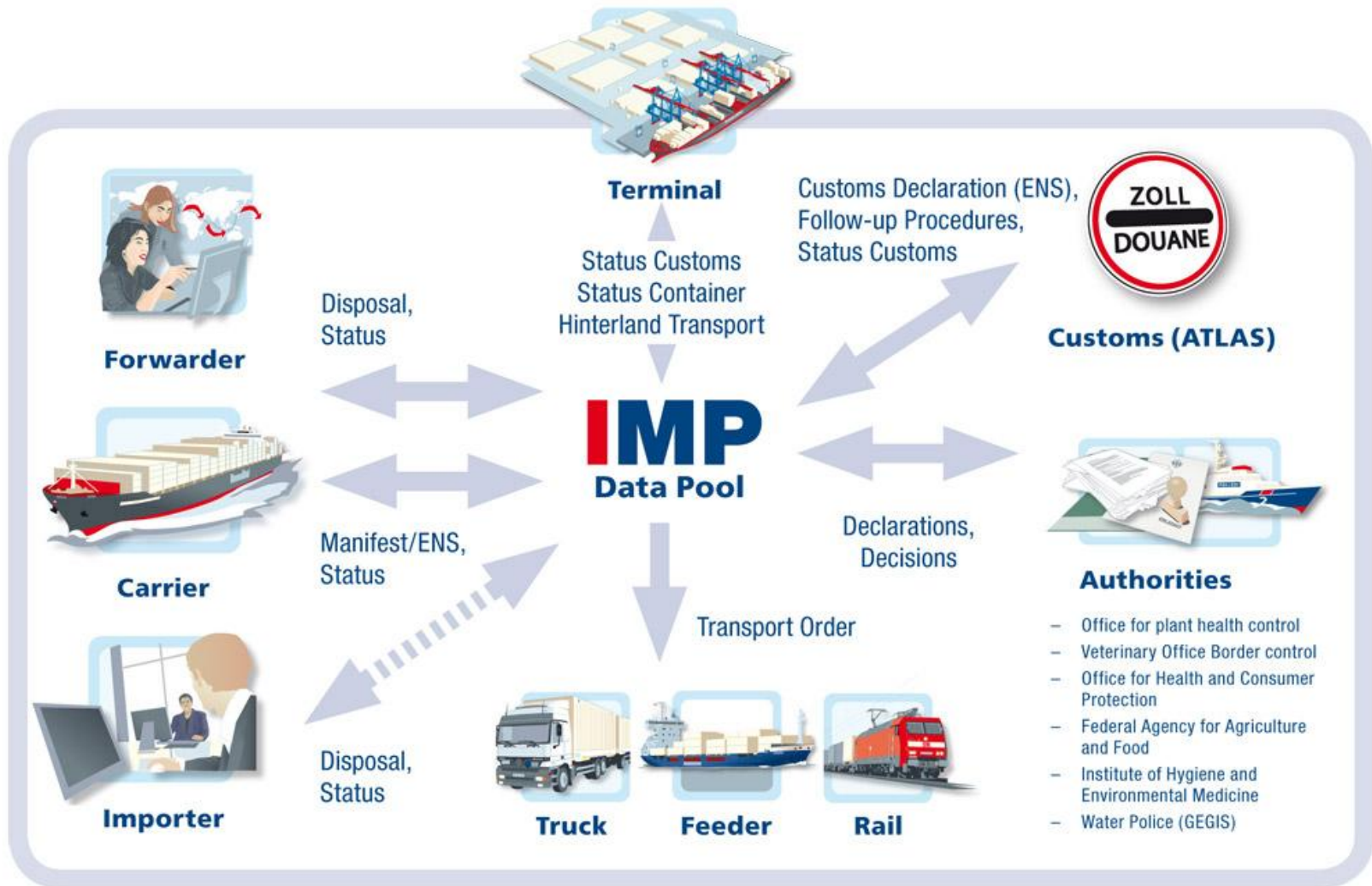
VIP – Vessel Information Platform

GENIS – Monitoring Hazardous Goods in the Harbour

Port Communication Services – Export (EMP)



Port Communication Services – Import (IMP)



E-Business in the port

Message volume handled by DAKOSY: 30 mil. / day

An excerpt:

Business data	between	and	Daily volume
Container movement	Carrier	Terminal	13.000
Port order	Forwarder	Terminal	6.000
Bill of Lading	Forwarder	Shipping lines	3.200
Transport order rail	Forwarder / Shipping lines	Rail operator	4.000
Provision	Forwarder / Importer	IMP	8.600
Dangerous goods announcement	Terminals / Shipping lines	Water police	800
ATLAS – Customs declaration	Forwarder / Industry	German Customs - ATLAS	28.000

May 2013

The Single Window Principle

UN Recommendation No 33 (2005)

- *„... a facility that allows parties involved in trade and transport to lodge **standardized information and documents with a single entry point to fulfil all import, export and transit-related regulatory requirements. If information is electronic, then individual data elements should only be submitted once.**„*

A **P**ort **C**ommunity **S**ystem is a very special kind of Single Window, it...

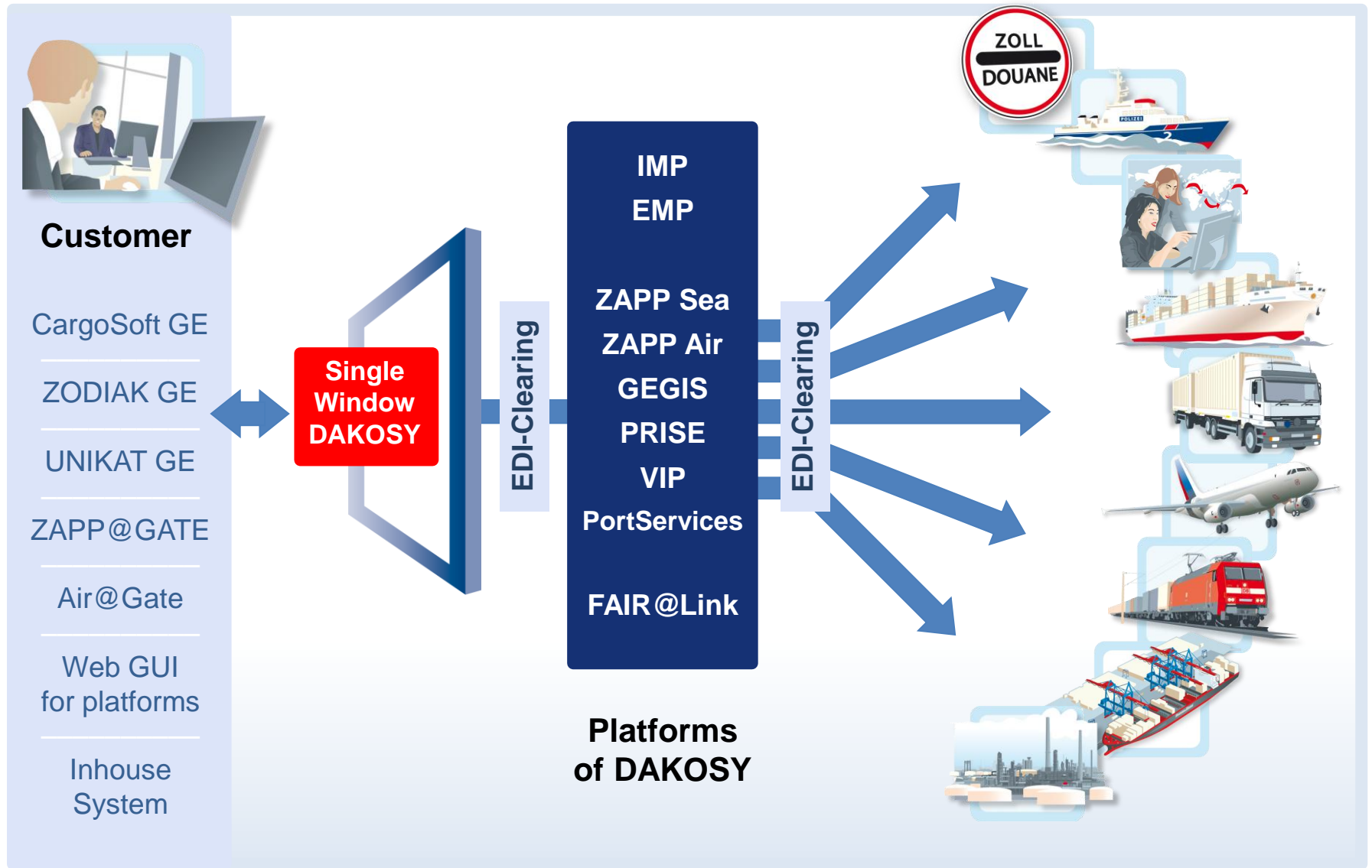
- *.. is a neutral and open electronic platform enabling intelligent and secure exchange of information between public and private stakeholders in order to improve the competitive position of the sea and air ports' communities;*
- *...optimises, manages and automates port and logistics efficient processes through a single submission of data and connecting transport and logistics chains.*

(Source: <http://www.epcsa.eu/port-community-systems/pcs-definition>)

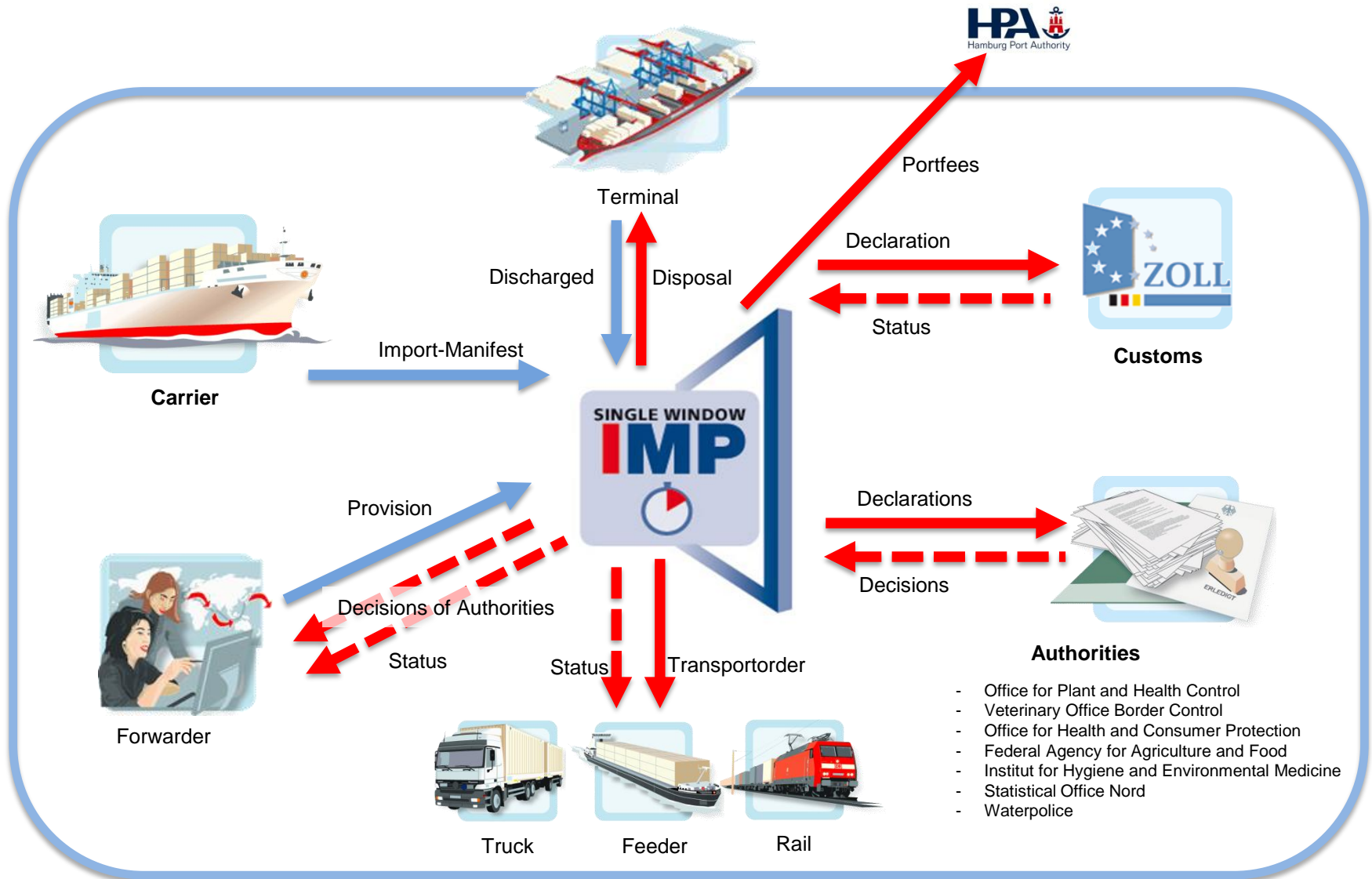
Network



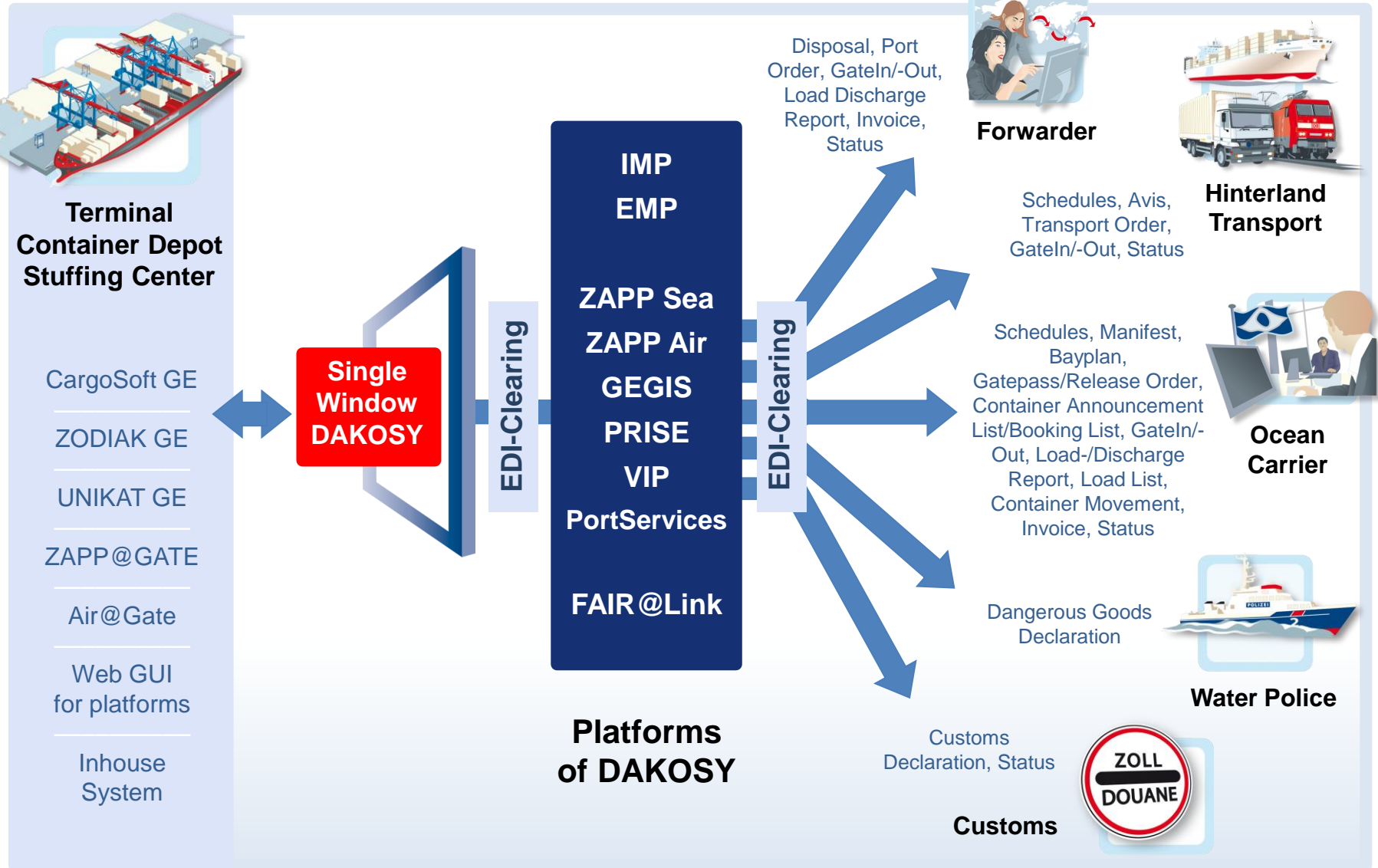
Single Window DAKOSY



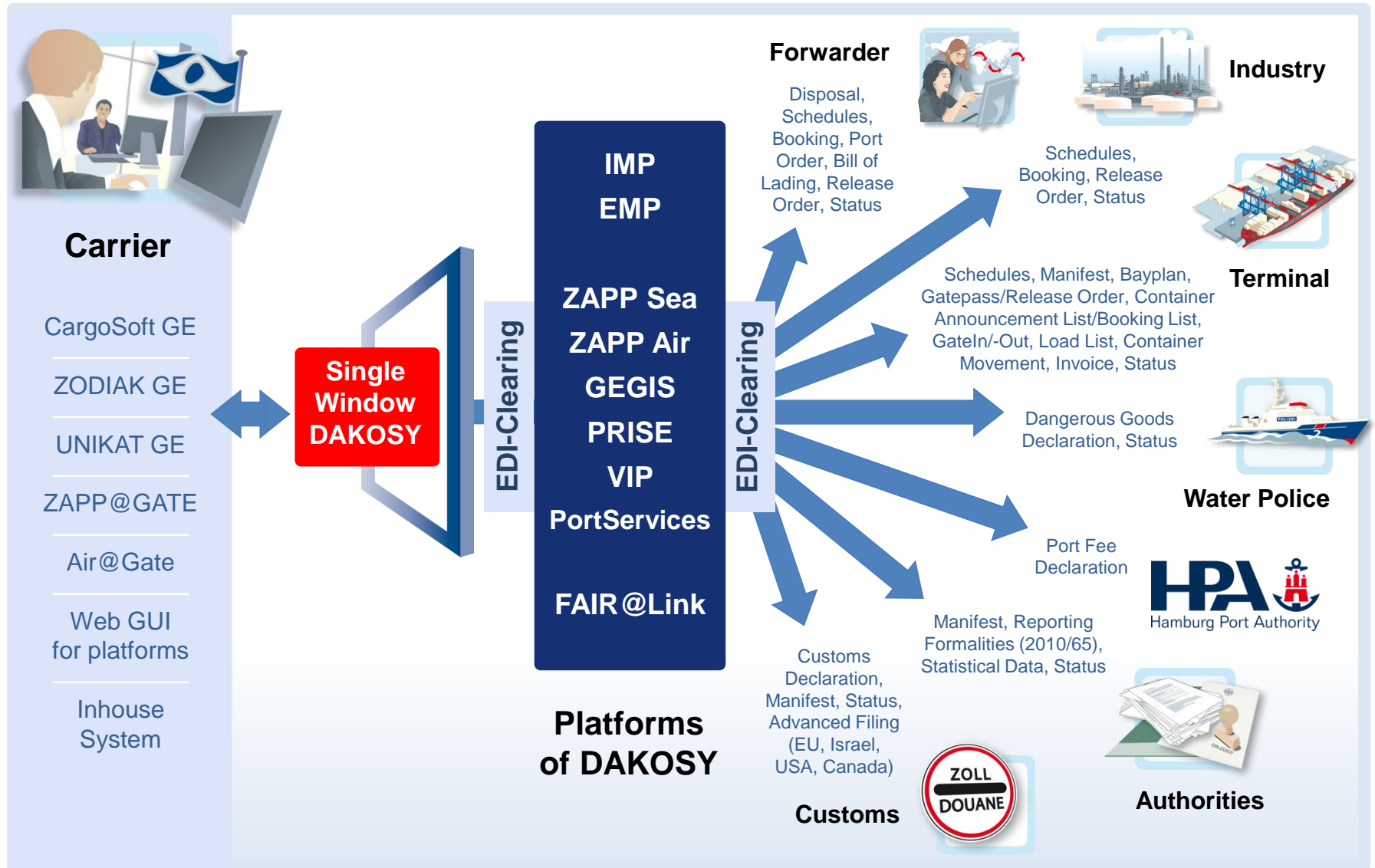
Process automation and workflow, an example



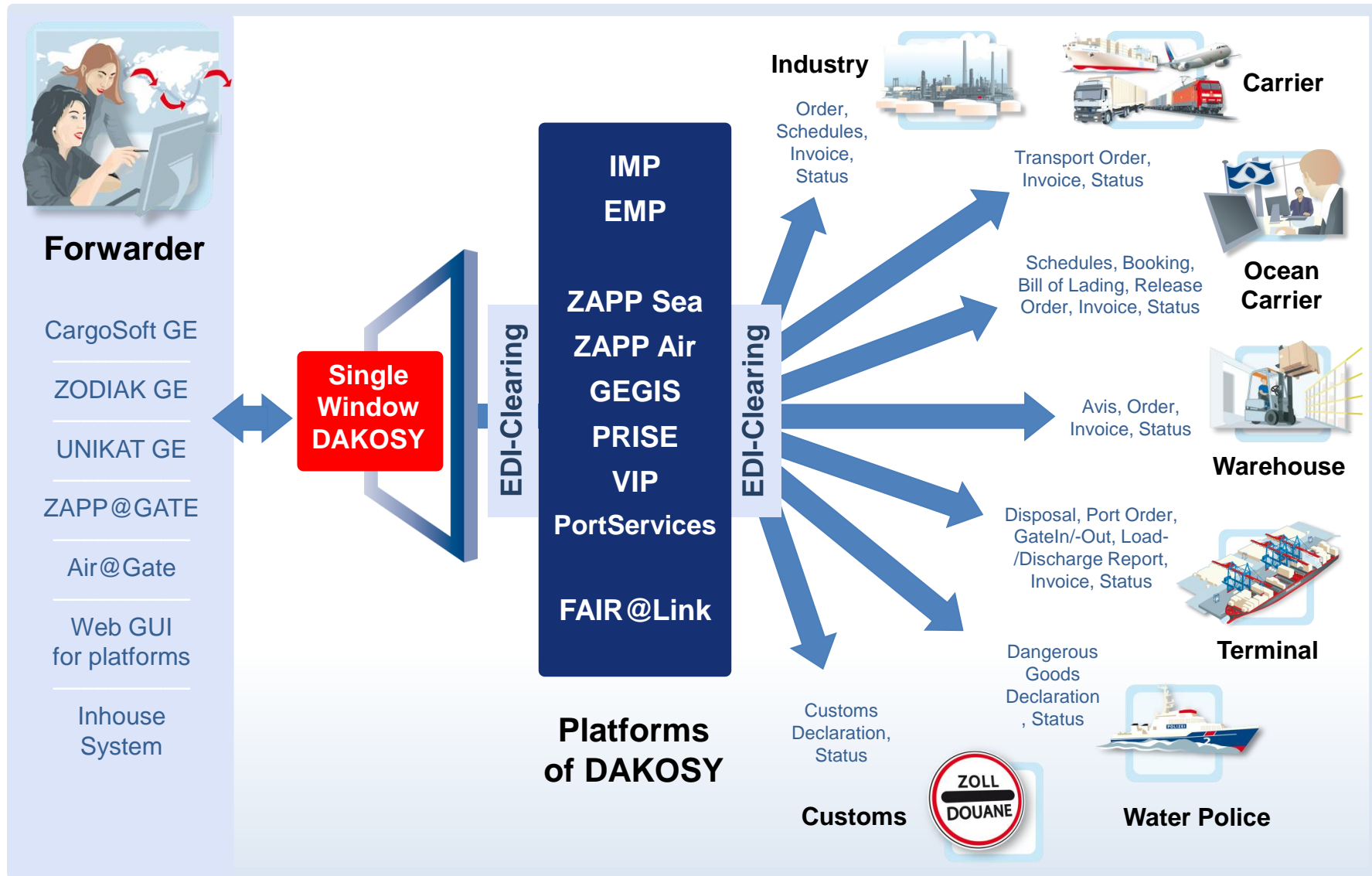
Single Window DAKOSY for Terminal Operator



Single Window DAKOSY for Carrier



Single Window DAKOSY for Forwarder



Prise - Port River Information System Elbe

*....another example for new developments at DAKOSY:
working groups involving all relevant parties...*



Prise - Port River Information System Elbe

[Liegeplatz-Meldungen](#)
[ETA-Liste](#)
[Schiffspositionen](#)
[Einstellungen](#)
[Administration](#)
[Hilfe](#)
[Support](#)
[Abmelden](#)
 Anton Kunze (DAK)



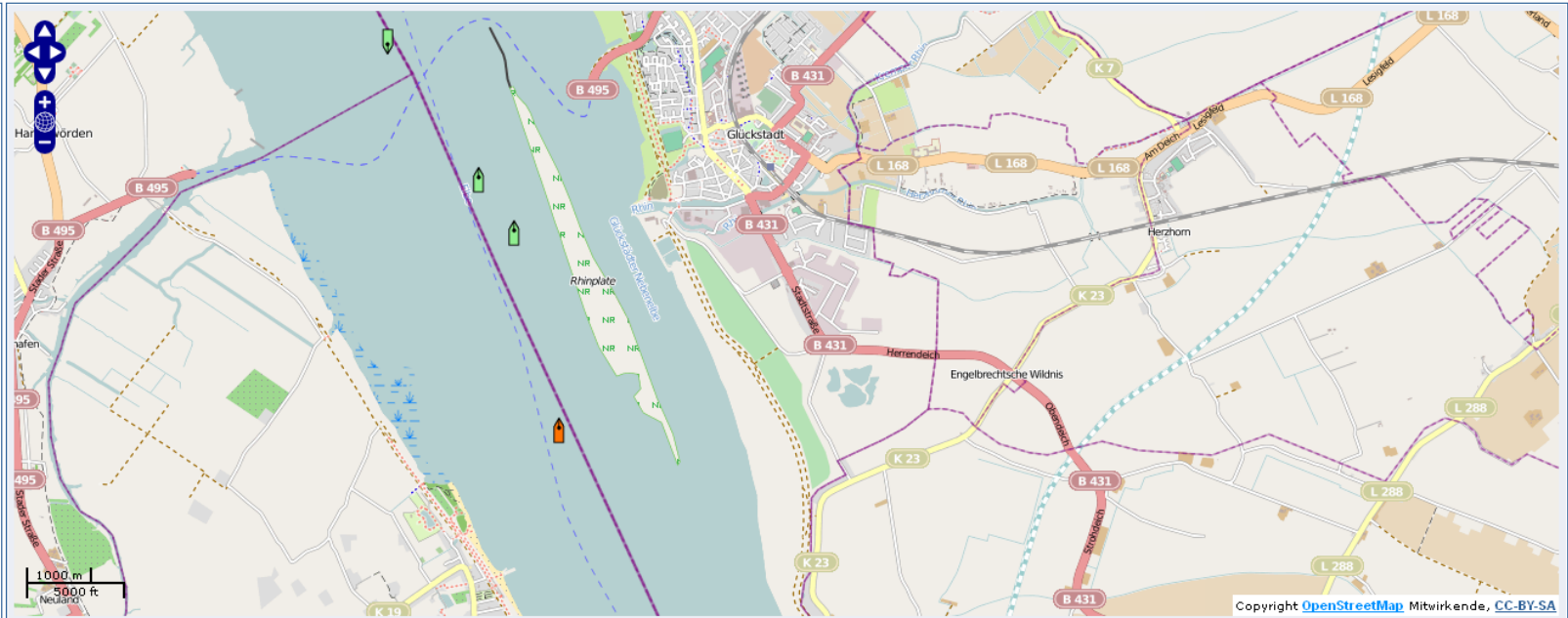
Schiffspositionen

- PRISE-Schiffe
 Frachtschiffe
 Lotsen
 Sonstige
 Schlepper

Aktualisierungsintervall (Minuten):

Aktualisieren

- KNECHTSAND
- LISA SCHULTE
- LIVA GRETA
- LOLLAND
- LOWLANDS KAMSAR
- MAERSK ARKANSAS
- MAESTRO LION
- MAGSENGER 16
- MARANTA
- MARCEL
- MARLENE
- MARSTAN**
- MAX
- MERIDIAN
- MERITO
- MONTREAL EXPRESS**
- MORGENSTOND II
- MS FIDUCIA
- MSC ROMANOS**
- MULBERRY PARIS
- NAJAD
- NIEDERSACHSEN 1
- NIEDERSACHSEN 22
- NIEDERSACHSEN11
- NORALY
- NORDEROOG
- NORDLAND V
- NYK ORPHEUS**
- PATRIOT
- PIAVIA
- ROBERT
- RONJA



Copyright [OpenStreetMap](#) Mitwirkende, CC-BY-SA

Konfiguration

LP-Status	letz. Änd.	Schiffsname	Terminal	ETA-LP ^	ETD	Liegeplatz	Breite	Länge	AGF	Tiefgang	POS	LF	LL	IMO
Alle									Alle			Alle	Alle	
✓	12.12. 14:01	MSC ROMANOS	CTH-Eurogate	P 11.12. 22:00 A	P 12.12. 14:00 A	PRED 5 1400 - 1694	32,20	294,05		A 13,50 D 11,10		11.12. 22:24	12.12. 12:48	9275634

Navigation controls: << < > >>

Prise - Port River Information System Elbe

Liegeplatz-Meldungen ETA-Liste Schiffsplationen Einstellungen Administration Hilfe Support Abmelden Anton Kunze (DAK)

PRISE

Liegeplatz-Meldungen

Filter

Zeitliche Einschränkung:

Art:

Datumstyp:

Von:

Bis:

Status:

LP-Status:

AGF:

ETA-Liste:

Leinen-Fest:

Leinen-Los:

Richtung:

Sonstiges:

Terminal:

AL/HL:

Schiffstyp:

Filter:

Gewählter Filter:

Filtername:

Aktualisieren Zurücksetzen

Konfiguration

Aktualisieren

LP-Status	letzt. Änd.	Schiffsname	IMO	Callsign	Terminal	ETA-LP	ETD	Liegeplatz	Breite	Länge	AGF	Tiefgang	LF	LL
<input type="text" value="Alle"/>											<input type="text" value="Alle"/>		<input type="text" value="Alle"/>	<input type="text" value="Alle"/>
	11.12. 19:47	HYUNDAI MERCURY	9393307	2BSD7	CTA-HHLA	P 10.12. 00:25 A	P 11.12. 18:15 A	CTA 4 1060 - 1400	45,60	339,60		A 13,10 D		
	12.12. 05:21	MSC LAURA	9225665	H9UE	CTH-Eurogate	P 11.12. 01:30 A	P 11.12. 17:00 A	PRED 5 1400 - 1700	40,00	300,00		A 12,30 D 12,20	11.12. 00:10	11.12. 18:15
	11.12. 22:31	WARNOW VAQUITA	9437191	V2DW9	CTA-HHLA	P 11.12. 01:30 A	P 11.12. 22:00 A	CTA 2 489 - 655	25,00	166,15		A 8,70 D		
	12.12. 09:17	EILBEK	9313199	A8VH2	CTB-HHLA	P 11.12. 07:00 A	P 12.12. 09:02 A	CTB 3 430 - 600	27,20	169,00		A D		
	12.12. 07:54	CAP GABRIEL	9344708	A8MW8	CTB-HHLA	P 11.12. 07:00 A	P 12.12. 09:00 A	CTB 9-10 2290 - 2560	32,20	264,21		A 10,60 D		
	10.12. 13:15	SAN DIEGO BRIDGE	9560376	3FTY6	CTH-Eurogate	P 11.12. 07:00 A	P 12.12. 07:00 A	PRED 4-5 1100 - 1393	40,00	293,18		A 14,00 D		
	11.12. 17:32	FLOTTBEK	9313216	A8YI8	CTB-HHLA	P 11.12. 10:00 A	P 11.12. 18:00 A	CTB 7 1510 - 1680	27,20	169,00		A D		
	12.12. 00:32	OOCL ST.PETERSBUR	9315006	PHCZ	CTA-HHLA	P 11.12. 10:30 A	P 12.12. 00:15 A	CTA 2 686 - 835	22,50	149,14		A D		
	11.12. 21:37	MARSTAN	9232979	V2DA3	CTT-HHLA	P 11.12. 10:35 A	P 11.12. 21:25 A	CTT 5	19,40	132,23		A		

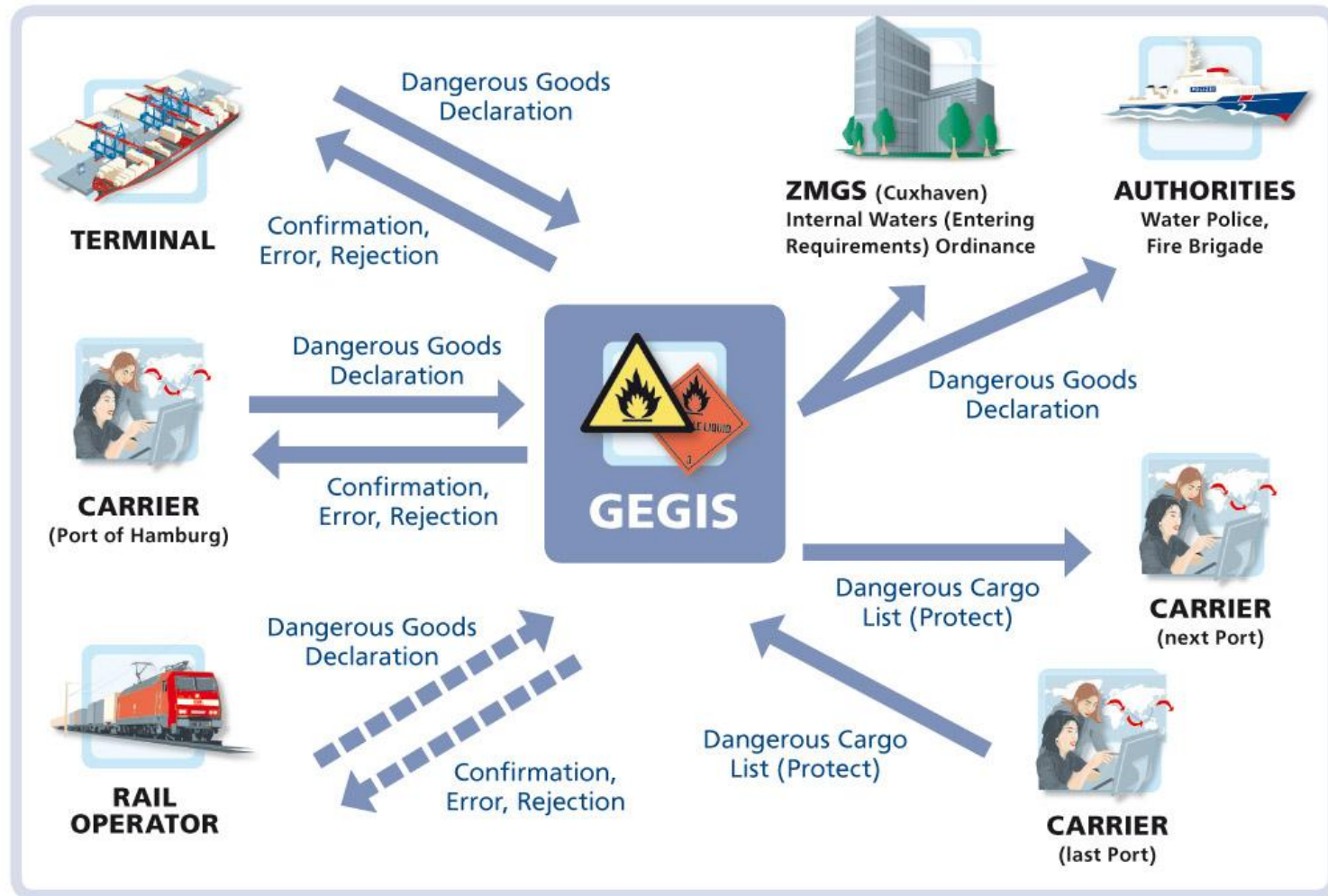
Dangerous Goods



GEGIS provides a timely overview of all dangerous goods movements and storages in the Port

GEGIS – Dangerous Goods Information System

Single Window DG: The GEGIS - Network



GEGIS – Monitoring Hazardous Goods in the Port

The screenshot displays the JGegis software interface. The main window is titled 'Geo. Informationssystem' and shows a map of the port area with various streets and waterways labeled, including 'Griesenwerder Höft', 'WALTERSHOFER HAFEN', 'Burchardkai', 'Predjünikai', and 'Euro-Kai'. A scale bar indicates 20000 units. The map shows several red hatched rectangular areas representing hazardous goods storage or transport zones.

On the left side, there is a logo for 'DAKOSY' and the text 'GEGIS Gefahrgutinformations-System'. The top menu bar includes 'JGegis', 'Gefahrgutanmeldung', 'Gefahrgutsituation', 'Stoffdaten und Regelwerke', 'Admin', and 'Hilfe'. The top toolbar contains various icons for navigation and data management.

A 'Schiffsdaten' (Ship Data) window is open on the right side, displaying the following information:

Schiffsdaten	
Funkrufzeichen:	DQWJ
Schiffsname:	PEKING SENATOR
Nationalität:	GE
Schiffstyp:	Containerschiff
BRT:	53,324 BRT
Schiffslänge:	294.00 m
Schiffsbreite:	32.20 m

Buttons for 'Zurück' (Back) and 'Anzeigen' (Show) are located at the bottom of the 'Schiffsdaten' window. The main window has buttons for 'Aktualisieren' (Update), 'Zurück' (Back), and 'Register' at the bottom. The status bar at the bottom left shows 'Status JGegis loading completed'.

ZAPP - Customs export monitoring in the Paperless Port

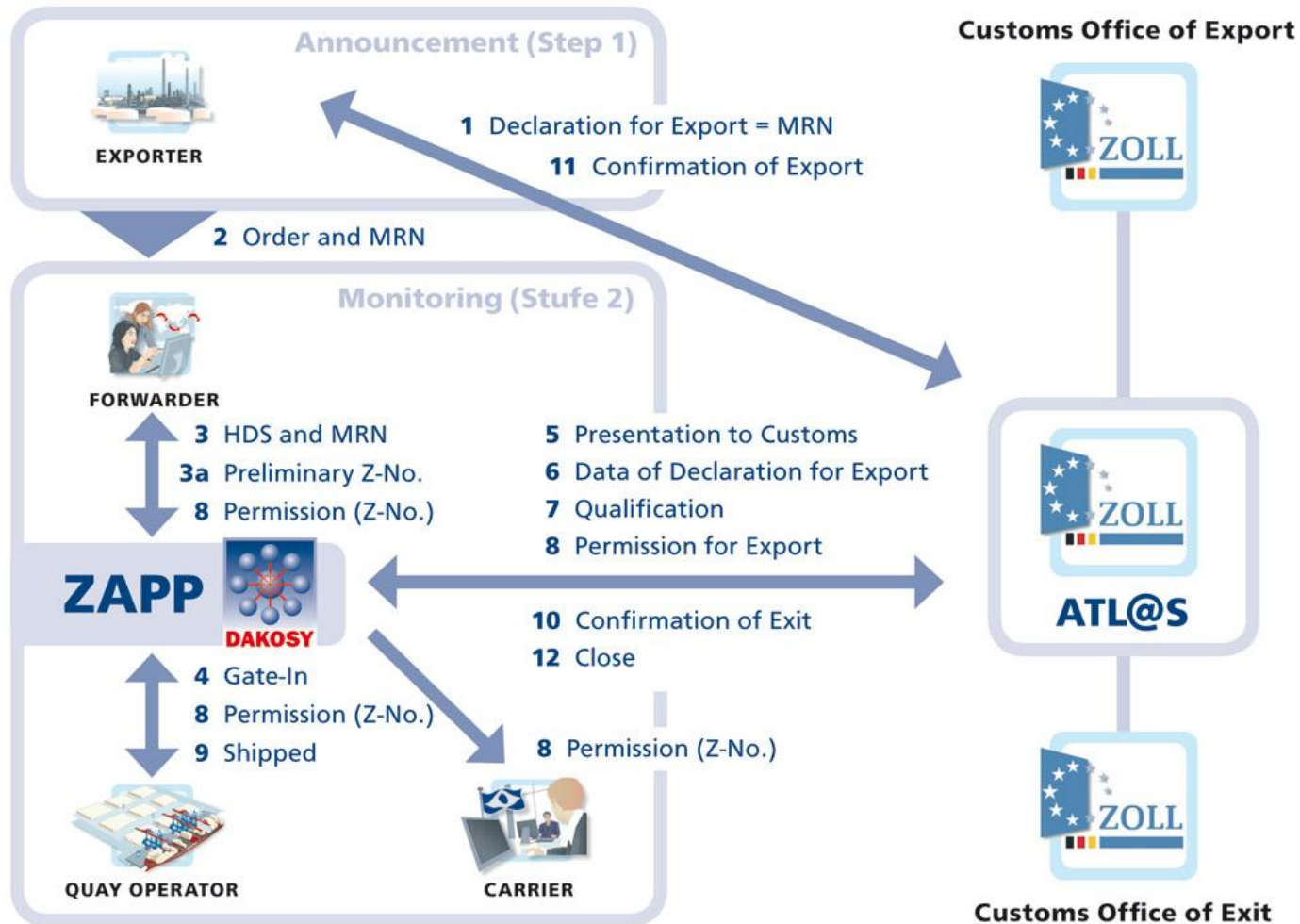
- Public-private-partnership project of the companies working in the Hamburg harbour und the Freie und Hansestadt Hamburg
- Assistance und usage by the customs authority Hamburg
- Developed and operated by DAKOSY
- In production since July 1997
- Internationally more than 1.000 subscribers

EDI - Clearing - Center ZAPP for:

- Quay operators in Hamburg
- Container freight stations in Hamburg
- Forwarders and exporters in Germany and Europe
- Ocean carriers and liner agents
- Authorities in Hamburg

ZAPP Sea and ATLAS

The principle: No shipment without Z-No.!



European Port Community Systems Association

The mission of EPCSA is to:

“influence public policy in the European Union level in order to achieve e-logistics throughout all European ports, operating as a key element of the EU maritime, shipping and logistics industry.”

(<http://www.epcsa.eu>)

Founding members:

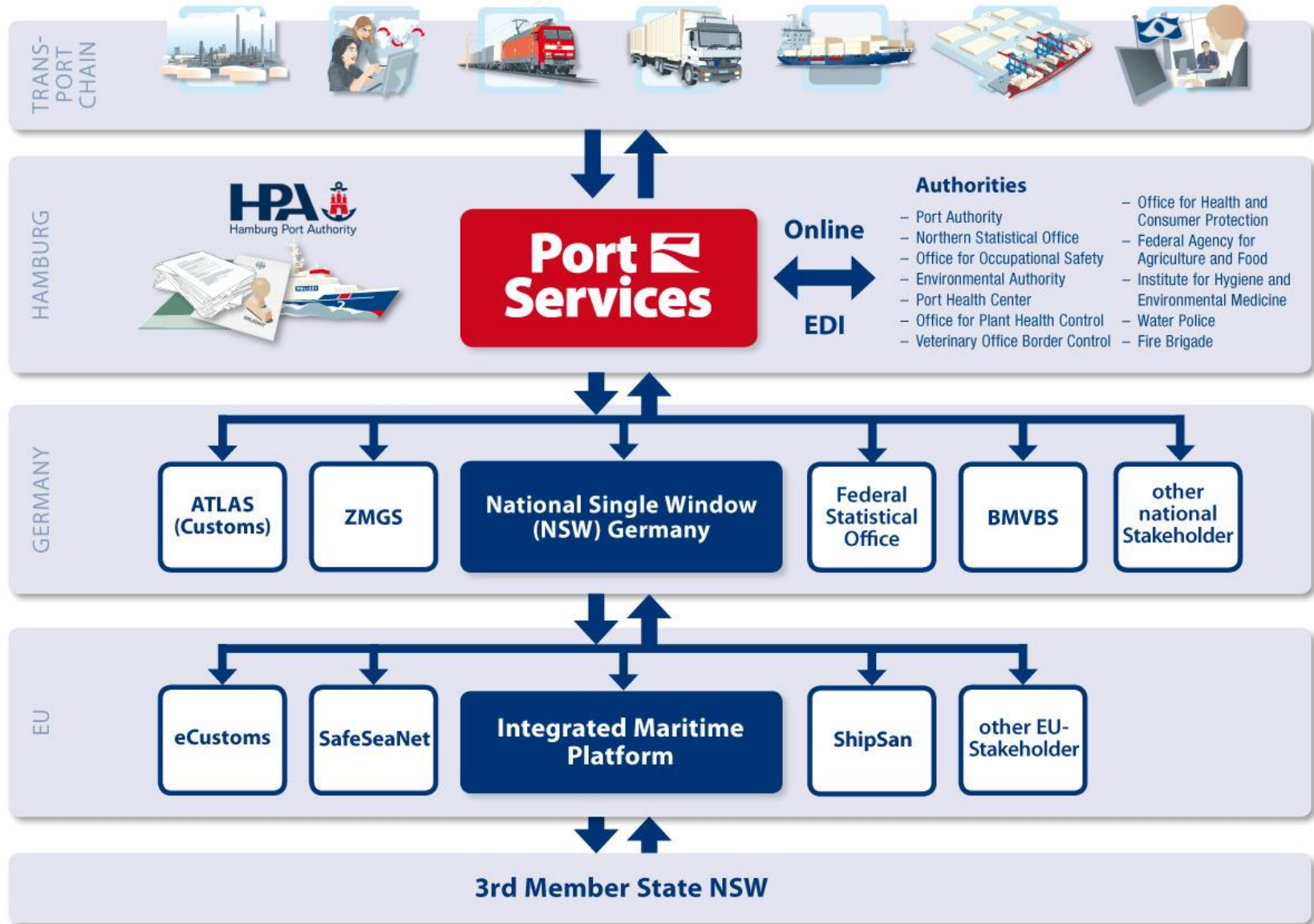
- **SOGET** www.soget.fr
- **Portbase** www.portbase.com
- **MCP** www.mcpplc.com
- **Portic** www.portic.net
- **Dbh** www.dbh.de
- **DAKOSY** www.dakosy.de



Plus 14 associated members

Plus observers

B2MoS: Port Services @ DAKOSY



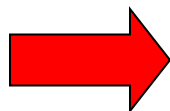
Advantages for the Customer of the PCS

The Single Window DAKOSY...

- ✓ provides standardised interfaces and processes and guarantees a high reutilisation of data
- ✓ provides good planning criteria for all involved parties (thanks to early available data, event-driven and process-controlled)
- ✓ offers optimised tracking & tracing services alongside the whole chain of transport
- ✓ opens a wide range of possible process automation



- **Shortened times of transport**
- **Optimised usage of resources**
- **Helps to be able to match the demands of a strong growth in transport**



... makes the harbour transparent!!



Thank you for your attention!

Further questions? Please contact:

Evelyn Eggers

DAKOSY Datenkommunikationssystem AG,

Telefon: +49 / 40 / 37 00 3 – 0, E-Mail: eggers@dakosy.de