



Making Transports Smart – The Gebrüder Weiss EURIDICE Pilot

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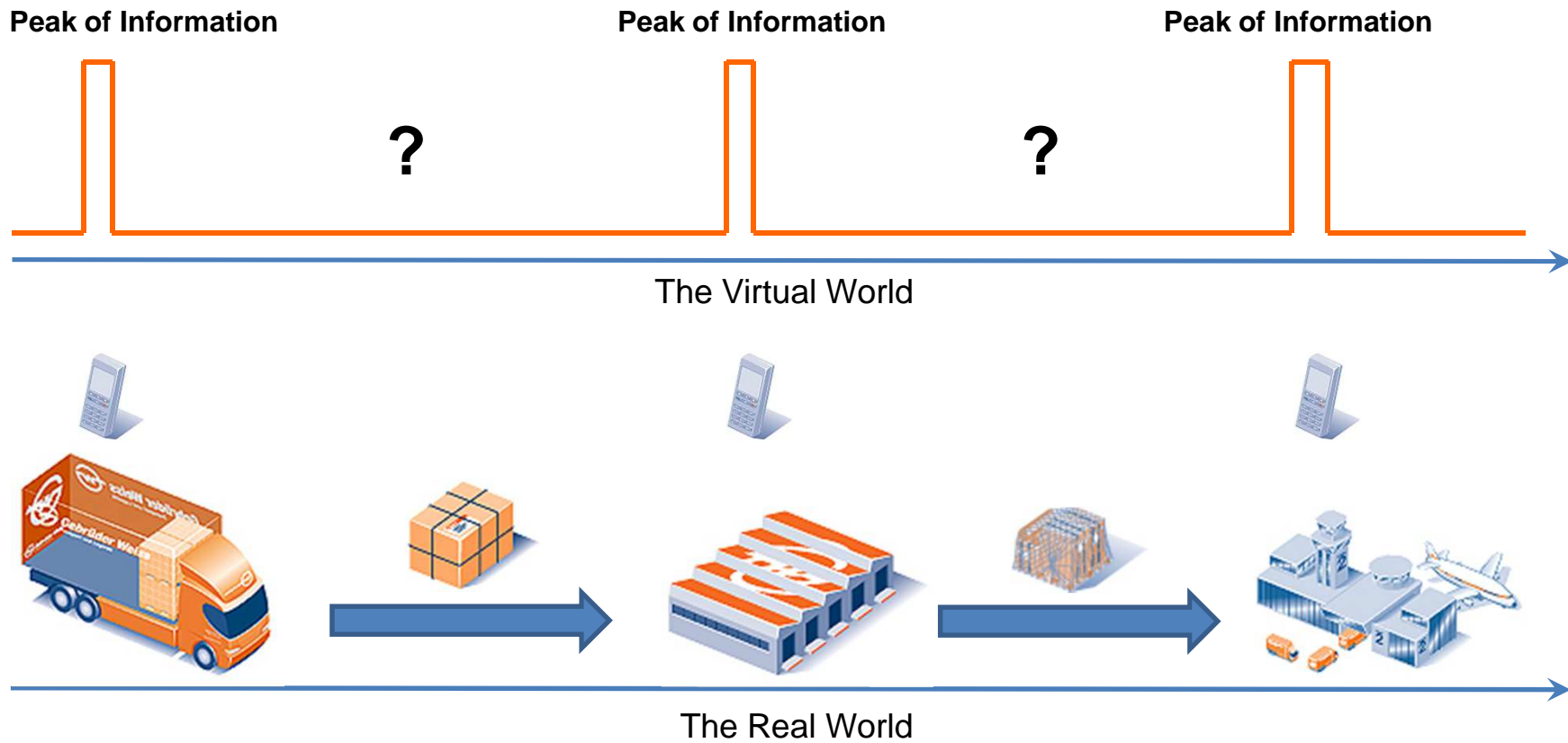
Making Transports Smart – The Gebrüder Weiss EURIDICE Pilot

- Need for Real Time Traceability?
- System Architecture of the Pilot
- Impact / Limitations



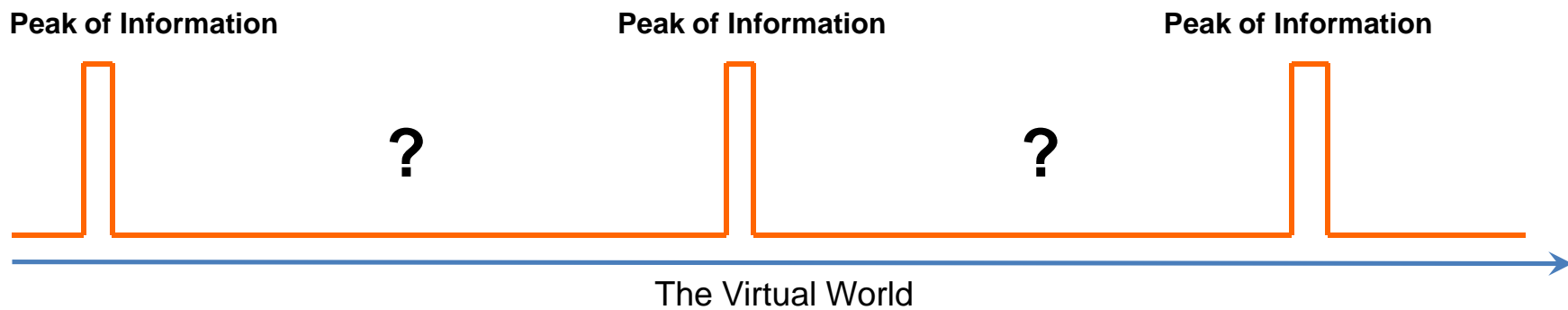
Need for Real Time Traceability?

How we track goods today...



Need for Real Time Traceability?

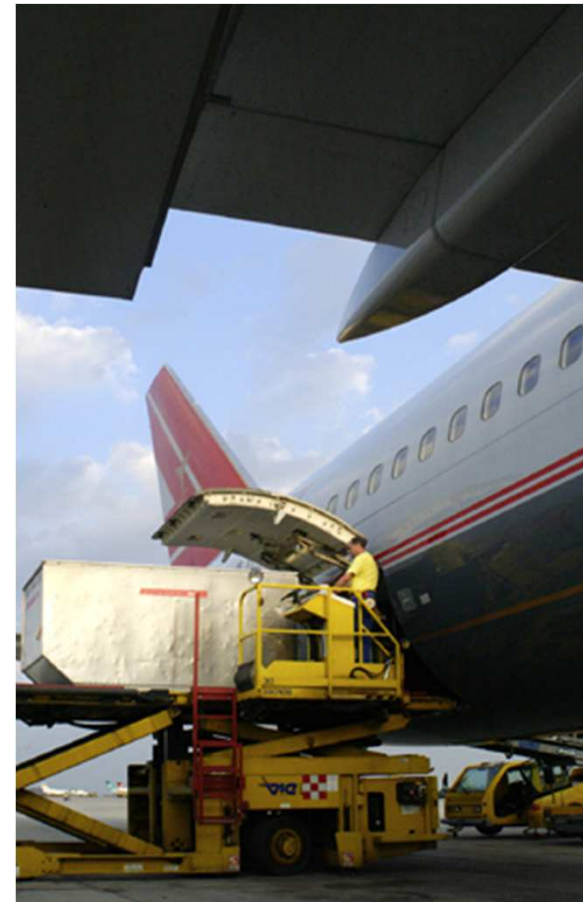
How we track goods today...



Business processes are not transparent – information is not available in real time.

What do we expect from our supply chains?

- **Monitoring and information in real time.**
- **Proactive information in case of events/ exceptions.**
- **Local intelligence and context awareness of goods.**
- **Use of robust, fail-safe technology to track goods.**
- **Integration of all stakeholders along supply chain.**
- **Standardized protocols for B2B communication.**

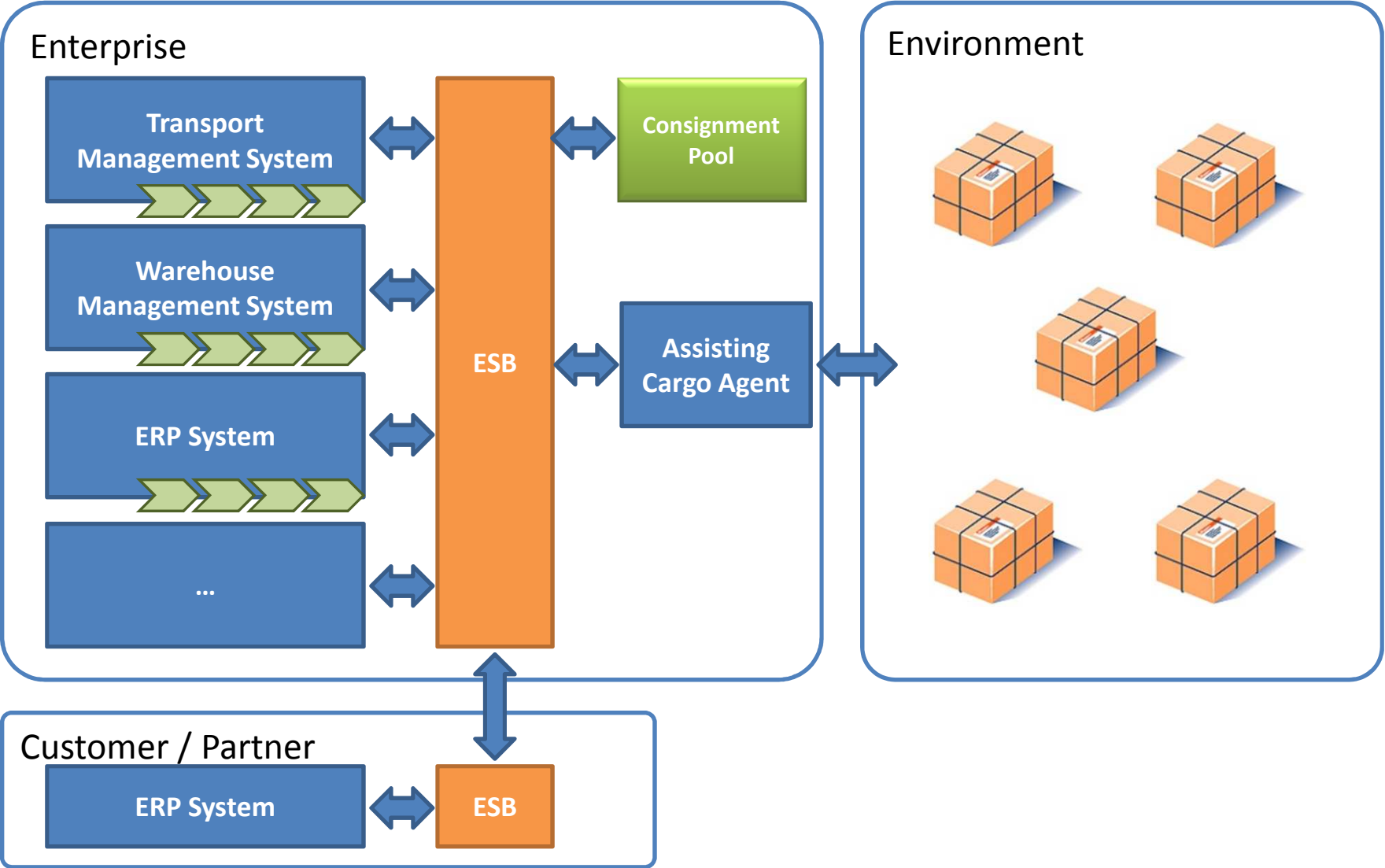


Transparency in Supply Chains Through Real Time Traceability

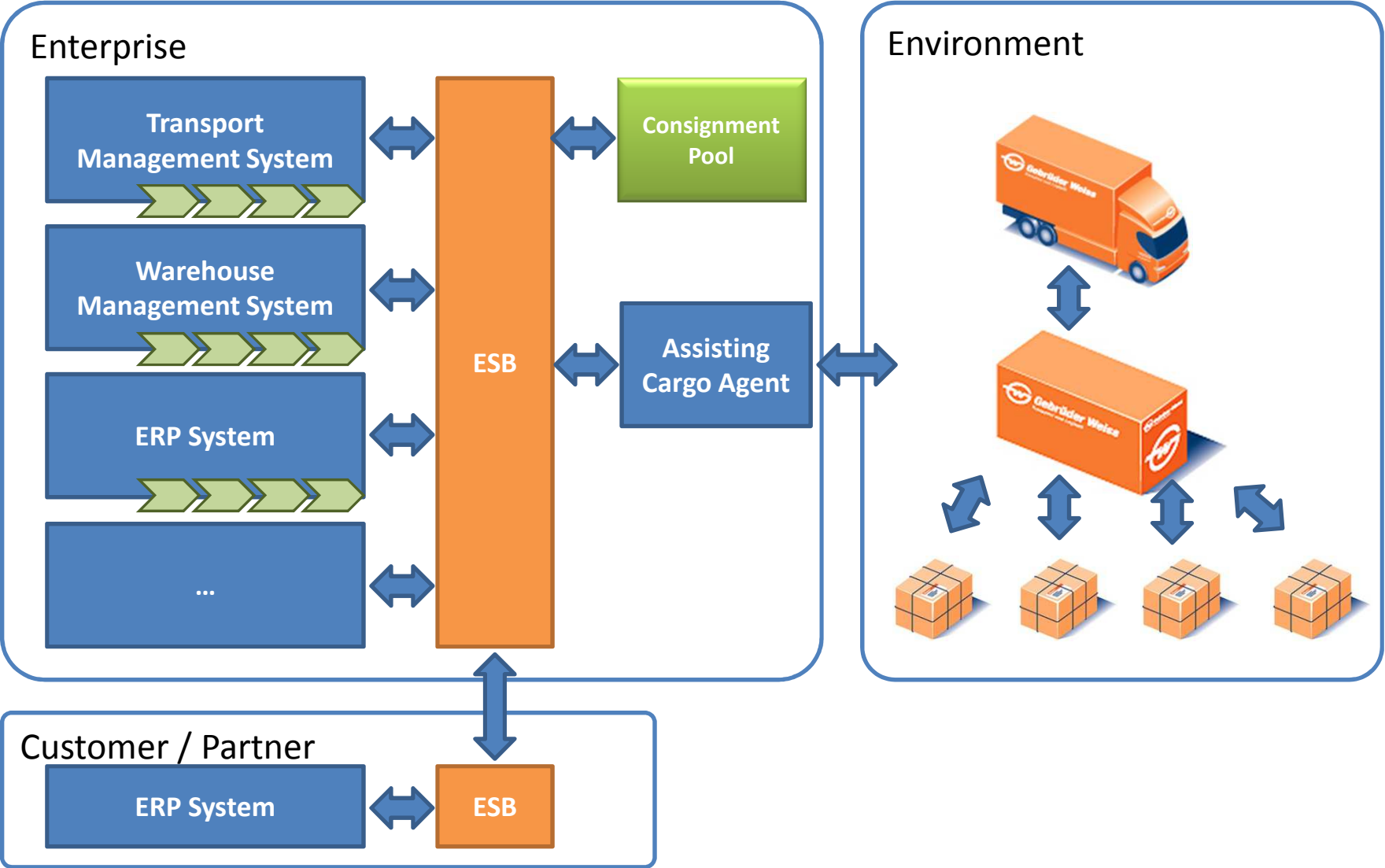
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System Architecture



Future System Architecture



Supply Chain Monitor – Monitor Consignments

Suche Vorlage: *Testvorlage

Kundengruppe: Filter:

Niederlassung: Status:
 Status dropdown options: neu, offen, operativ, erledigt, abgeschlossen, storniert

Datumsart: Auftragsdatum Leistungsdatum Zustell-/Abholdatum

Datum von: Datum bis:

<<< >>>

erweiterte Suche | Alle | Alle | Alle | Alle | Alle |

Suche

Neue Suche

Prio	NL	Auftragsnr.	Kunden-ID	Kunden-Auftragsnr.	Auftragsdatum	Zustelltermin	Status	T&T Status	T&T Datum						
■		WIE 1041494095	PRMARKWI01	LS-78801	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
■		WIE 1041494103	PRMARKWI01	LS-78802	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
■		WIE 1041494111	PRMARKWI01	LS-78803	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
■		WIE 1041494129	PRMARKWI01	LS-78804	29.08.2011	29.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
■		WIE 1041494137	PRMARKWI01	LS-78805	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
■		WIE 1041494145	PRMARKWI01	LS-78806	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
■		WIE 1041516673	PRMARKWI01	LS-78807	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
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■		WIE 1041516699	PRMARKWI01	LS-78809	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
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■		WIE 1041516715	PRMARKWI01	LS-78811	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
■		WIE 1041516723	PRMARKWI01	LS-78812	29.08.2011	02.09.2011	erledigt	Sendung auf Hauptlauf	05.09.2011 05:49						
■		WIE 1041516731	PRMARKWI01	LS-78813	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
■		WIE 1041516749	PRMARKWI01	LS-78814	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						
■		WIE 1041516756	PRMARKWI01	LS-78815	29.08.2011	31.08.2011	abgeschlossen	Komplett verrechnet	03.09.2011 00:34						

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Usability of the Platform

- **Users get transparency over the whole supply chain.**
- **All consignments can be easily tracked, the status of every consignment is clearly displayed by a colour indicator.**
- **Users can react much faster to deviations in the process (rerouting of the consignment, change of ETA, etc.).**
- **Status information is updated in real time.**
- **Users get proactive notifications when an unexpected event occurs.**
- **Users can define own monitoring rules – if applicable they can be deployed to a device in the field.**



Key Performance Indicators

Tests are not finished yet.

Preliminary results:

- % of mistakes detected during loading / unloading
0,88% → 0,00%
- % of correct ETA
98,68% → 100%
- # of box manipulations (process steps) reported
7 → 7
Process improvement not a goal for the pilot



What are the current limitations?

- System mainly for niche markets, e.g. high value goods.
- Successful pilot implementation, however research is still on-going and further developments are unclear at this time.
- Available software mainly from research and open source projects – large vendors not present yet.
- IT- and communication standards are not established at this time – unclear which standards will prevail in the end.





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