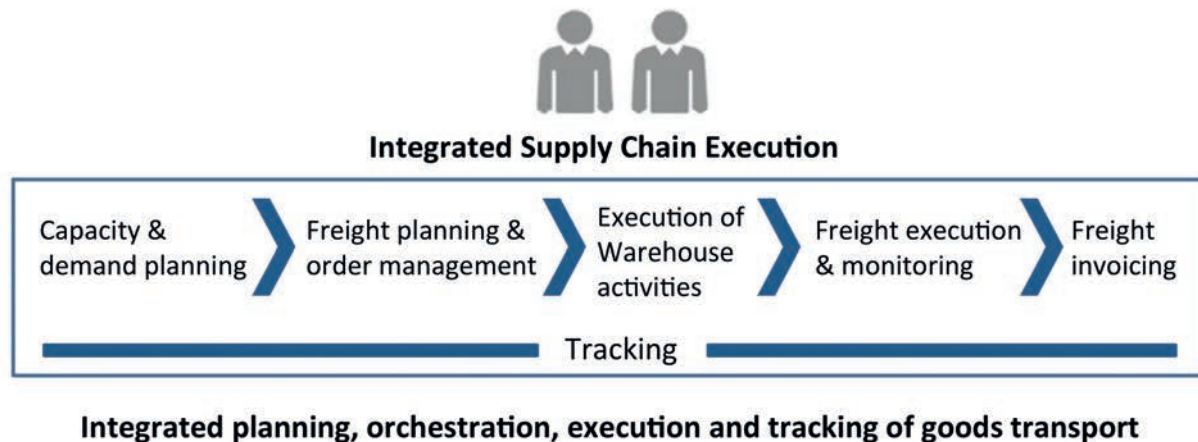# abat

SAP Supply Chain Execution Platform

SAP SCE

The complexity of today's supply chains poses new challenges for many companies. Networked logistics processes with regard to an efficient and transparent demand-driven logistics network are essential. Appropriate logistics software is required in order to meet these requirements.

The SAP Supply Chain Execution Platform (SAP SCE) consisting of SAP Extended Warehouse Management (SAP EWM), SAP Transportation Management (SAP TM) and SAP Event Management (SAP EM) provides the opportunity to map processes on a single system technology platform across the entire logistics chain. Besides integrating all parties involved in the supply chain, SAP SCE allows for the simple control of process flows, thus increasing process reliability as well as supplier and customer satisfaction.

Integrated Supply Chain Execution

| Capacity & demand planning | Freight planning & order management | Execution of Warehouse activities | Freight execution & monitoring | Freight invoicing |

Tracking

Integrated planning, orchestration, execution and tracking of goods transport

SAP SCE benefits

- One system technology platform
- No process and system interruptions
- Optimisation potential along the entire logistics chain
- Complete order, warehouse and transport planning
- Full freight cost management
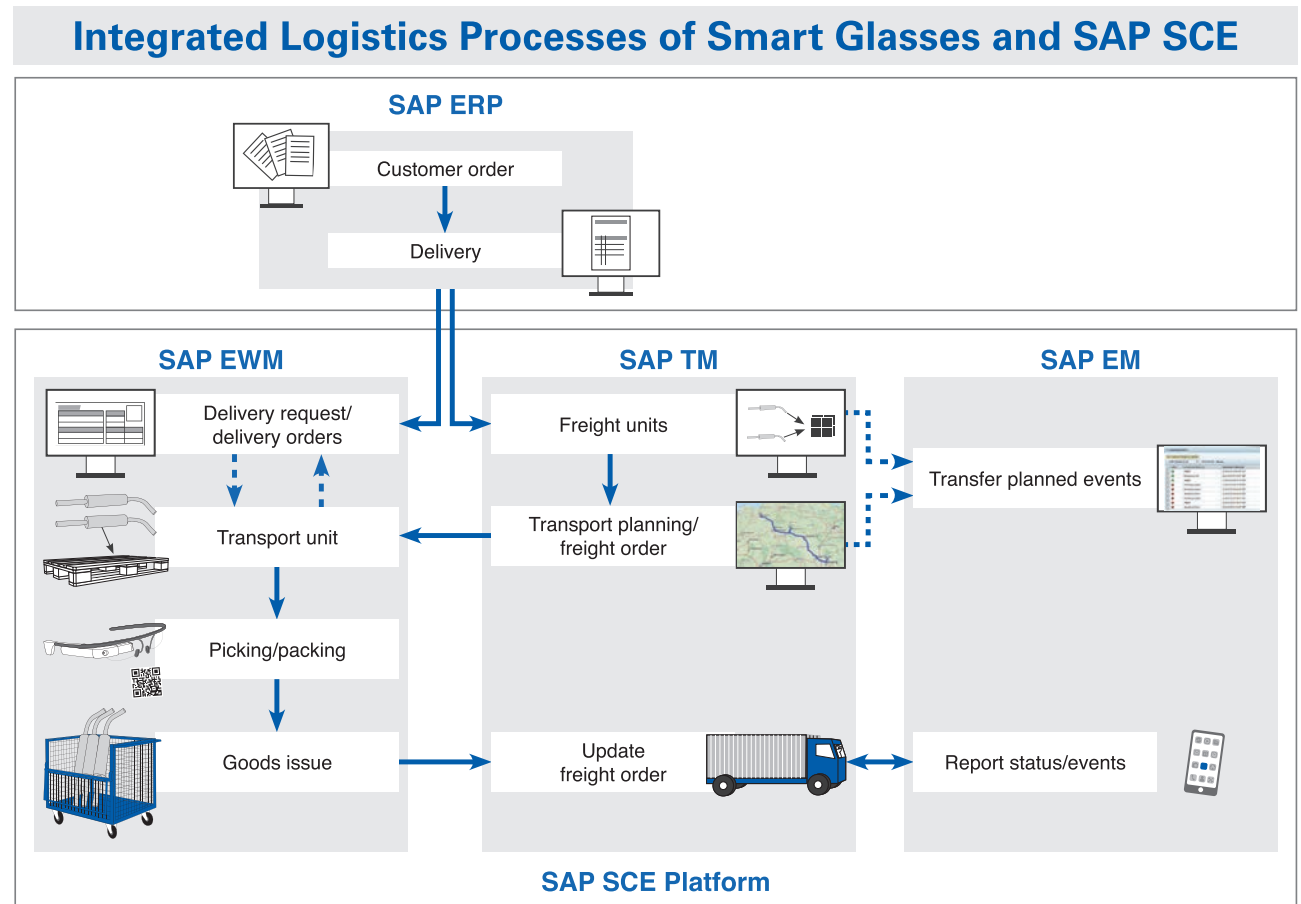- Integrated event management

SAP SCE in combination with data glasses

The SCE Platform processes can be optimised at minimal cost using data glasses and a mobile device.

The process starts with the creation of customer orders and deliveries in the ERP system. Delivery orders are generated in the EWM system based on the deliveries, while deliver-based transportation require-

ments (DTR) and a freight unit (FU) are created in the TM system based on the deliveries. A transportation unit (TU) with the corresponding warehouse tasks is created in the EWM system after the freight order planning in the TM system. The subsequent picking process is supported by data glasses.

The data glasses work in combination with a Bluetooth hand-held scanner as a multifunctional device for the order picker. The warehouse tasks to be processed are transferred from the SAP EWM system to the data glasses through an OData service. All statuses are updated in the SAP TM system once the warehouse activities are completed. The status for the transport execution can be reported through a mobile device while the transport is being executed.

Integrated Logistics Processes of Smart Glasses and SAP SCE

SAP ERP

Customer order

Delivery

SAP EWM

Delivery request/ delivery orders

Transport unit

Picking/packing

Goods issue

SAP TM

Freight units

Transport planning/ freight order

Update freight order

SAP EM

Transfer planned events

Report status/events

SAP SCE Platform

SAP SCE process benefits

- Seamlessly integrated processes for warehousing, transport and tracking freight

- Real-time communication between the data glasses and the SAP EWM system

- Visualisation of warehouse tasks

- Paperless picking – Pick by Vision

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ABOUT US

abat

The abat Group, founded in 1998, is an SAP service provider, innovative software developer and provider of complete solutions for software-supported process optimization – primarily in the core industries of automotive and discrete manufacturing as well as in logistics processes and production control. With our six service areas, we give companies the freedom they need for new ideas, efficient processes, and future-oriented solutions.

In the **consulting** service area, we advise and support you in all phases of an SAP project – from conception to implementation to operation of your SAP system. With abat **manufacture**, you receive digital, high-availability solutions for production control in the complex manufacturing industry. With abat **transform** we offer you innovative and unique solutions that make you special: from AI to cloud to X-Reality. The **PLM** area offers comprehensive process consulting with the goal of achieving a continuous data flow across PLM, ERP and MES. Offerings from the **protect** area help customers secure information and maintain the confidentiality, availability, and integrity of business relationships. Finally, our **sustain** experts advise on how sustainability and CSR reporting can be strategically and structurally anchored in the company.