





## LFS 400

  Warehouse Management by E+P

**SÜDKRAFT Spedition GmbH:**  
**Modular Warehouse Management System**  
**for the Online Shop of the**  
**German British Petroleum (BP) AG**



**EHRHARDT + PARTNER**

Software Systems  
for Warehouse Logistics

# Virtual shopping requires virtuoso warehouse management

Each Online-Shop is only as good as the logistic services making sure that the required product is going to be delivered to the customer on time. However, logistic does not simply imply to deliver a product from A to B.

## Core competence of SÜDKRAFT

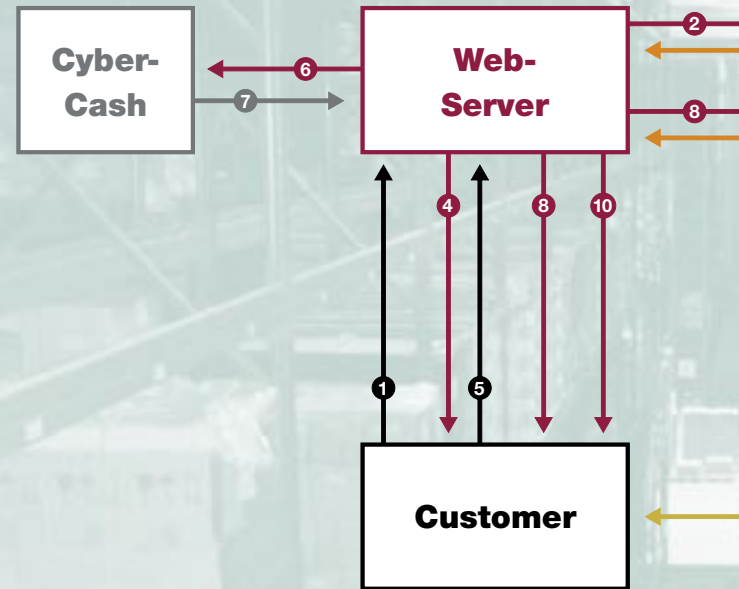
Today SÜDKRAFT does saturated freight transportation throughout Europe including LTL, silo and special material transports. Additional core competence of the group are special logistic services as follows:

- Finishing, processing and refinement of products
- Price labeling
- Kitting
- Packing services
- Shipping
- Providing information on inventory and/or order status

## E-Commerce processing for British Petroleum (BP) AG

The Express Online-Shop of the German British Petroleum (BP) AG is managed through the SÜDKRAFT logistic center in Karlsfeld/Munich, Germany. For the processing of all logistic services for the BP shops, SÜDKRAFT relies on the fully automated Warehouse Management System LFS 400 of Ehrhardt+Partner. Decisive factor to chose LFS 400 was the integrated interface to meet the e-commerce capability and the respective short realization period. However, the project management team of SÜDKRAFT was surprised about the various possibilities and the reliability of LFS 400.

## Processing of the e-commerce shop in conjunction with



- 1 Customer puts products into the shopping basket
- 2 Web-Server passes inventory request to LFS 400
- 3 LFS 400 confirms availability to Web-Server
- 4 Web-Server confirms shopping basket to customer
- 5 Customer releases the order
- 6 Web-Server passes payment order to Cyber-Cash
- 7 Cyber-Cash confirms payment to Web-Server
- 8 Web-Server sends order to LFS and order confirmation to customer



## Numbers, figures and facts



SÜDKRAFT

Süddeutsche Kraftwagen-Speditions-GmbH

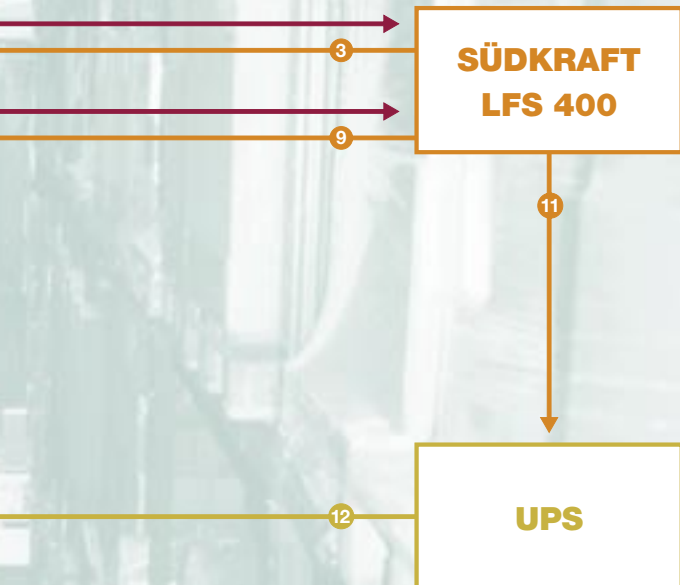
### The SÜDKRAFT Group

• Truck units:	800
• Warehouse and outside square footage:	2,6 million
• Locations:	over 50
• Employees:	1.400
• Headquarter:	Munich, Germany

### Logistic center, Karlsfeld

• Staging square footage:	39,000
• Warehouse square footage:	86,700
• Revenues:	28m DM
• Pallet locations in the High Rack Storage:	23.720

LFS 400



*LFS 400 picks the shopping basket (paperless), packs the products (check via barcode scanning) and assigns the UPS tracking number (managed through a range of reserved numbers).*

- 9 LFS 400 reports shipping confirmation and tracking data to Web-Server
- 10 Web-Server creates e-mail with tracking data and sends it to customer
- 11 SÜDKRAFT passes shipment to UPS
- 12 UPS delivers shipment to customer



EHRHARDT + PARTNER





**Project scope:**

Project manager Südkraft:	Andreas Christian Weiss (Director Logistics)
Project manager E+P:	Jörg Fröhlich (Senior Technical Advisor)
Project requirement:	Establish connectivity between warehouse management system and Online-shop solution of the British Petroleum AG
Realization period:	6 weeks

**Implemented LFS 400 modules:**

- Basic module
- Provision of advanced receiving data on pack unit level
- Dynamic location management
- Processing of all warehouse transfers via radio frequency
- Permanent stocktaking with zero level control
- Barcode identification, concurrent data and material flow
- Selected inventory inquiry per lot/batch and dates
- Quality control
- Connectivity to order management systems of multiple customers
- e-Logistics, Click & Go



■ Warehouse Management by E+P

The companies of the E+P Group



**EHRHARDT + PARTNER**

Boppard-Buchholz, Germany



**Informática y Gestiones  
Logísticas, S.L.**

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**INSTITUT FÜR ANGEWANDTE  
WAREHOUSE-LOGISTIK**

Boppard-Buchholz, Germany

**Ehrhardt + Partner GmbH & Co. KG · Software Systems for Warehouse Logistics**

Alte Römerstraße 3 · D-56154 Boppard-Buchholz · Germany

Telefon (+49) 67 42 - 87 27 0 · Telefax (+49) 67 42 - 87 27 50

E-Mail: info@ehrhardt-partner.com · www.ehrhardt-partner.com

