

## DELPHI AUTOMOTIVE SYSTEMS

# Data Capture and Label Printing from SAP

### Solution Overview

#### Industry

Automotive Industry

#### Application

Data Capture and Label Printing from SAP

#### Teklynx Software Products

Label Design Software  
CODESOFT

ERP/Host Connectivity Software  
SENTINEL Print Pack

#### Hardware

Zebra printers

*See how Delphi Automotive Systems uses Teklynx's SENTINEL® Print Pack in connection with SAP to print bar code labels at 240 of their sites around the world. As a result, Delphi is able to successfully identify and receive thousands of parts into their inventory system.*

Delphi Automotive Systems is a world leader in transportation and mobile electronics components and systems technology. However, they are probably best known as a manufacturer of equipment for the automotive industry; such as air conditioning systems and Accident Data Recorders (ADR) for Indy 500 car racing.

While implementing an enterprise resource planning (ERP) system, Delphi needed a complete solution for their plants that would work under the control of their SAP system and allow them to automatically generate bar code labels from a print server. They had to be able to identify their inventory for parts distribution.

Delphi turned to Teklogix, a global provider of real time data collection and communication solutions, which recommended SENTINEL Print Pack ERP/Host connectivity software running with CODESOFT™ label design software from Teklynx International.

In November 1997, the Delphi Donchery plant, located in the north east of France, was the first to install the SENTINEL Print Pack ERP/Host connectivity software solution from Teklynx.

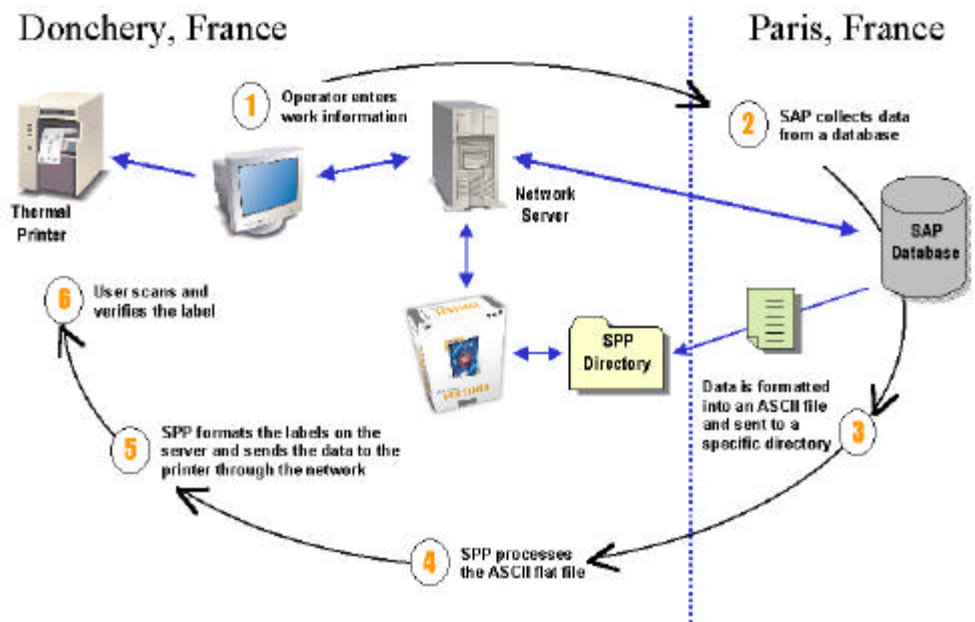
SENTINEL Print Pack (SPP) extracts information from data or text streams enabling their ERP application to drive thermal transfer bar code printers. Since the first installation, Delphi has implemented this solution in 240 of their sites around the world.

The label printing solution runs on an NT Server and is part of a network of fourteen (14) workstations (PCs) located throughout the Donchery site. The PCs are located in the production area allowing their workers to access information in their SAP system and also enter the completed work in the production area.

Each PC is connected to a Zebra thermal transfer printer and the network server is connected to their SAP system located at their regional headquarters in Paris.

From any one of the 14 PCs in the production area, an operator can enter and indicate their work has been completed. In doing so, it informs the SAP system that the production process is complete and labels are ready to be printed. The SAP system then prints out the corresponding labels on Zebra printers that are connected to the PCs in the production area. The labels are used to identify pallets.

When a worker initiates a transaction, SAP collects the data that should appear on the labels from its databases. Then all of the data is formatted into an ASCII flat file that is written to a specific directory. SENTINEL Print Pack processes this file by merging the data with the label specified in the file. It then prints the label on the printer specified in the ASCII file. Labels are printed, scanned with a reader and if everything is OK, the transaction is validated on SAP. Refer to the diagram below:



**For More Information**

For more information about Teklynx products or services, please visit our web site or call us at (414) 577-3900 in the US, Canada, or Latin America. Outside the 50 United States, Canada and Latin America, please contact Teklynx at +33 562-601-080.

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**SENTINEL Print Pack Solution Benefits:**

- **No printer language knowledge is required**
- **Flexibility to make changes** - Modify labels, add new labels, print an existing label on a new model of printer; no need for additional configurations
- **Complete printer independence**
- **No limitations** - All of the features in CODESOFT label design software are available at print time; printer memory management, formulas, using graphics inside labels, specific counter, database access...

Delphi has found that the reliability of SENTINEL ERP/Host connectivity software and CODESOFT label design software allows them to use their ERP system to meet the demands of a large and diverse parts inventory system. As a result, Delphi is able to reliably identify thousands of parts, 24 hours a day, all over the world and receive them into inventory for parts distribution.