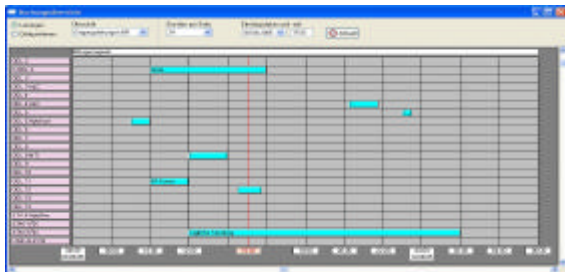


<b>Customer</b>	<b>Bayerischer Rundfunk (BR, German TV station)</b>
<b>Site</b>	<b>BR Headquarters, Munich Planning and Production Departments, Master Control Room</b>

## Use

The „Line service office“ is planning, coordinating and ordering the transmission of all contributions between the center of ARD (Germany's global TV station) and the BR sites, studios or private broadcasters and production companies. Furthermore this office has to plan and schedule all video, audio and command connections for outside broadcast events (from shortly requested commentary to huge events like sports or politics).



Because of the variety of broadcast connections and the big amount of daily transmissions a management system is required which supports the planning office in their planning works. Beside the planning aspects there is a need to present the switching list in the master control room and to keep this list permanently updated.

The requests for the connections come to the „line Service Office“ from the journalists and editors who are responsible for the programm. They can define their request directly in the system SUSI, they can get access to SUSI over a web browser.

The system SUSI is not responsible for the switching and controlling of the incoming and outgoing lines. It is performed in the master control room by other systems but the actual switching list is generated by SUSI.

## Functions

The system SUSI provides functions for the daily planning, coordinating, ordering and cost controlling for the video, audio and command connections for all transmissions which are needed within the BR. Included are the following tasks:

### Order Management

- Takeover of the requests which are defined by the journalists and editors via Intranet
- Definition of the connection requirements
- Providing of the daily switching lists
- Scheduling and booking of the BR internal input and output lines
- Scheduling and booking of the BR internal satellite earthstations in Munich
- Realization and control of the order (e.g. status update)
- Archiving

### Order to vendors

- Definition of the requested orders for connections and satellite transponders
- Generating of switching orders automatically
- Generating of word-file document to send out by fax

### Statistics

- Various statistical list concerning the switching orders as well as the vendor orders
- Data export (for Excel-sheets)

## Order management system SUSI

The screenshot displays the 'Schaltauftrag [S20060300339/01]' window. The form is organized into several sections:

- Title and Program Info:** Includes fields for 'Titel' (Portrait Bernd Fischetsrieder), 'Sendung', 'Programm', 'Prod.Nr.', 'Kostelle', and 'Redaktion' (Programmaustausch).
- Order Details:** Fields for 'Leistung' (ÜS), 'Verw.-zweck', 'Kostenpflichtig (€)', 'Dranhänger', 'Sammelüberspielung', 'Mehrfachnutzung Beitrag', and 'Mehrfachnutzung Leitung'.
- Transmission Times:** A section for 'Übertragungszeiten' with sub-sections for 'Planzeiten' and 'Istzeiten', including 'Von' and 'Bis' dates and times.
- Source and Destination:** Fields for 'QUELLE' (MAZ), 'Abspielort', 'ZIEL' (NDR HNVR), 'Primärziel', 'Über 1' (NDR HMBG), and 'Über 2'.
- Technical Specifications:** Includes 'BR-Ltg.-Nr.' (OSL 1), 'Prov.-Ltg.-Nr.' (HD5/001), 'Gerät', 'Leitungsnetz' (Hybnet), 'Leitungsart' (TV4), 'Bandbreite' (140), 'Nutzungsart', 'Tonbelegung', 'ZA-Ort', and 'DA-Nr.'.
- Administrative and Status Info:** Fields for 'Bearbeiter' (susiHKR02), 'Letzte Änd.' (06.03.2006 16:13:50), 'SA-Nr.' (S20060300339 / 01 / 03), 'Status' (erledigt), and 'abger.' checkbox.
- Navigation and Tools:** Buttons for 'Anforderung', 'Extern', 'Kontakte', 'Beitragsinfo', and 'Memo'.
- Additional Fields:** 'Autor', 'Ursprung', 'Sendung' (Abendschau - Der Süden), 'Datum' (05.03.1998), 'Beitrag-Nr.' (11), 'Abspielnr.', 'Beitrag', 'Länge' (4:00), 'TC Beginn' (18:24:47:00), 'TC Ende', 'Bereitstellungsort', 'Bereitgestellt ab', 'Benötigt bis', and 'Bemerkung zur Beitragsinfo'.
- Usage and Remarks:** A 'Verwendung' dropdown, 'Telefon' field, and a large 'Bemerkung' text area.

## Solution

A Windows2000-cluster (DELL) is installed as central server which consists of two identical servers with an external RAID memory and SCSI link.

ORACLE 9i is implemented for the data base.

25 PC workstation are connected to the server over the house internal WAN/LAN.

The GUI is developed with Delphi 7.0.

The workstation of the journalist and editors can access the system SUSI over Intranet and a JAVA-based web browser. The Web client is an application based on HTML via PHP. On the central server there is an APACHE web server installed which provides the client with data and which takes over the input data.

## Dimetis Services

Dimetis has made the detail specification in cooperation with the customer BR and has developed the software concept. The development of the software was completely implemented by Dimetis based on different other customer solutions. The hardware (server and PC workstations) are provided by the customer.