


**SAP SUMMER PROGRAM
HOCHSCHULE HARZ,
UNIVERSITY OF APPLIED SCIENCES
WERNIGERODE, GERMANY**

JULY 2012

ISM 4930 SPECIAL TOPICS IN CIS: AN INTRODUCTION TO SAP

- Course is an introduction to how SAP works in the real world. How extensively it is used. How important it is for CIS majors to be familiar with SAP.
 - Get 3 academic credits at FGCU
 - Program taught in English
- 


VISIT SIEMENS



VISIT SAP HEADQUARTERS



ISM 4930 ST IN CIS - COURSE OBJECTIVES

- Get to know the German / American case study Global Bike Inc. (GBI 2.0) of the SAP University Alliance.
 - Get in contact with Business Software of the German Company SAP, the world's biggest vendor of Business Solutions .
 - Get hands-on-experience with user-friendly computer guided SAP online simulations and tutorials.
 - Learn how to link strategy to business processes using Sustainability Balanced Scorecards to better understand internal and external customer-supplier relationships.
 - Execute business processes using SAP Business Software at GBI 2.0 and understand the integration of Business and IT.
 - Learn about the integration of business and information models and learn how to use them online with ARIS modeling software.
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SAP ERP – GLOBAL BIKE GROUP

Background

- Global concern using full ERP capabilities
- Consists of two companies located in the US and in Germany

History

John Davis

- Won numerous mountain bike championships in the US
- In 1990, started Frankenstein Bikes (a mountain bike company)

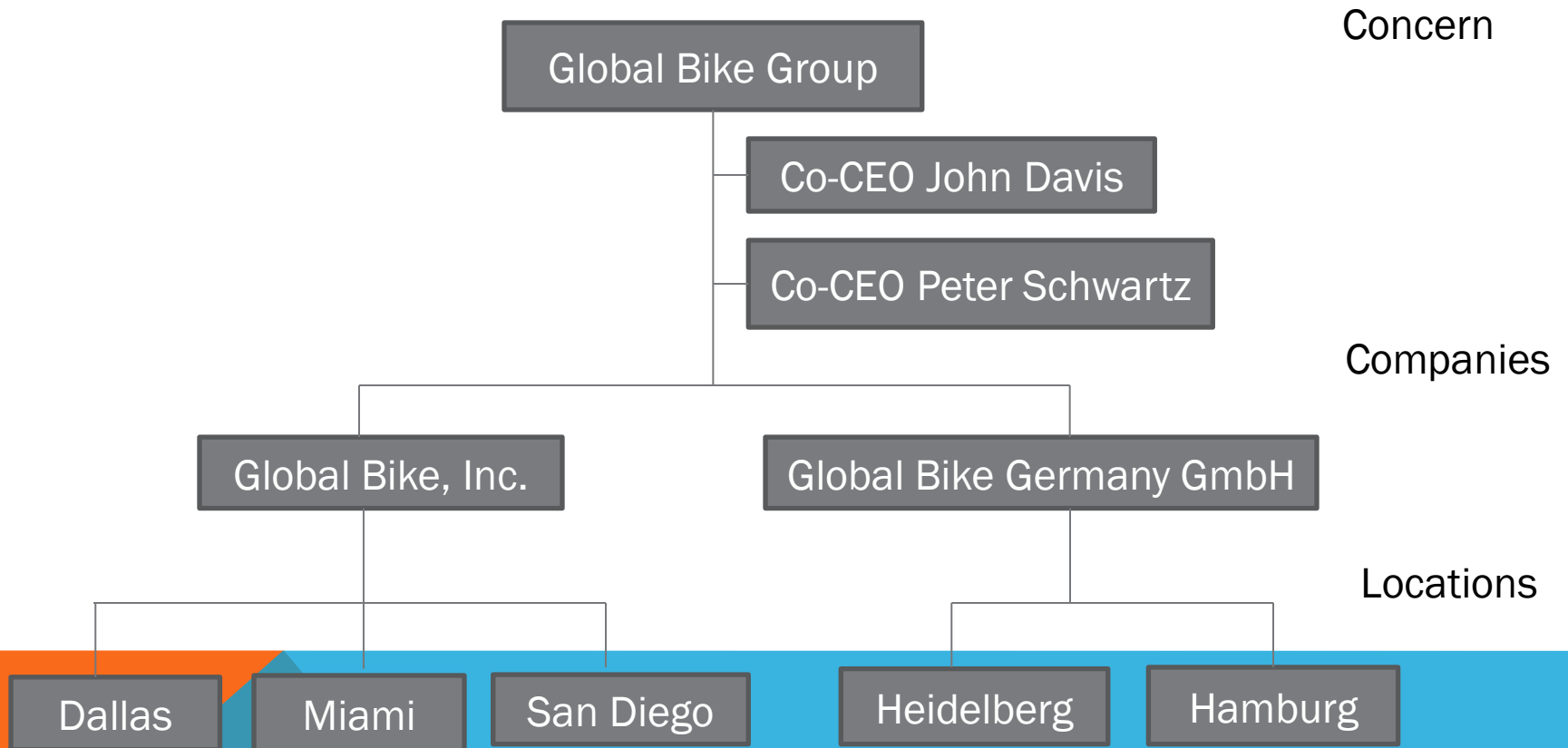
Peter Schwarz

- Engineered ultra-light composite frames
- In 1993, started Heidelberg Composites (a bike frame company)

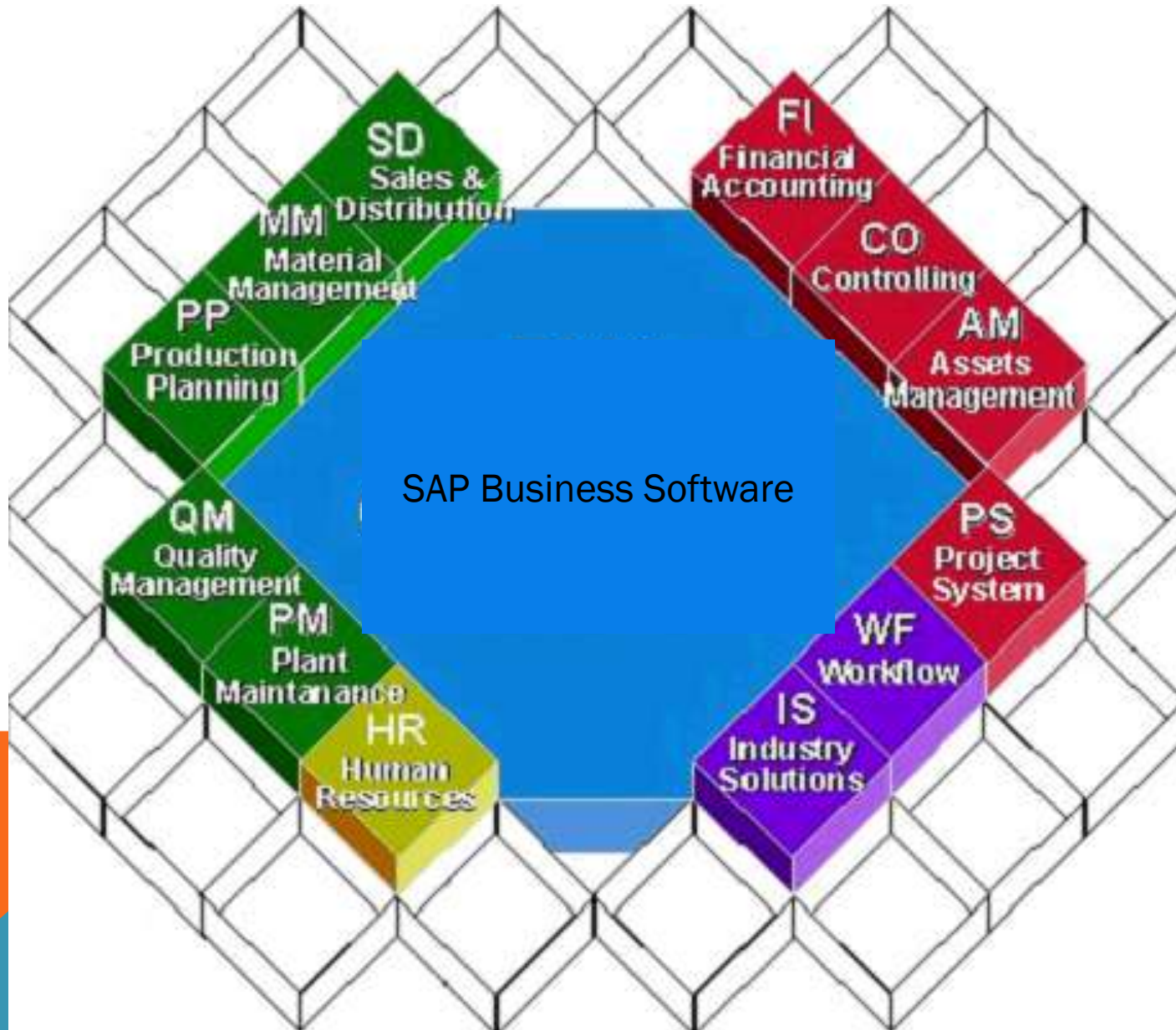
Merged to form Global Bike, Inc. in 2001.



SAP ERP – AN OVERVIEW OF THE ORGANIZATIONAL STRUCTURE



USING SAP BUSINESS SOFTWARE



SAP Online Simulations

Get hands-on experience using “user-friendly” computer guided SAP online simulations

The screenshot displays a web browser window with the URL `http://sap-schulungen.hs-harz.de/GBI_SD_Datango/frameset.html?config=projects/GBI2.0_2/GBI2.0_S - Windows Internet Explorer`. The browser shows a menu bar with options: Customer, Edit, Goto, Extras, Environment, System, Help. Below the menu is a toolbar with various icons. The main content area is titled "Customer Display: Initial Screen".

The "Customer Display: Initial Screen" window contains the following fields and options:

- Customer: Philly Bikes
- Company code: Global Bike Inc.
- Sales area section:
 - Sales Organization: US East
 - Distribution Channel: Wholesale
 - Division: Bicycles
- Buttons: "All sales areas..." and "Customer's sales areas..."
- Bottom toolbar:

A yellow callout box with a dashed border points to a small icon in the toolbar, containing the text: "Please click on [icon]".

The "Performance Assistant" dialog box is open, titled "Customer Account Number". It includes a "Close" button and the following text:

A unique key used to clearly identify the customer within the SAP system.

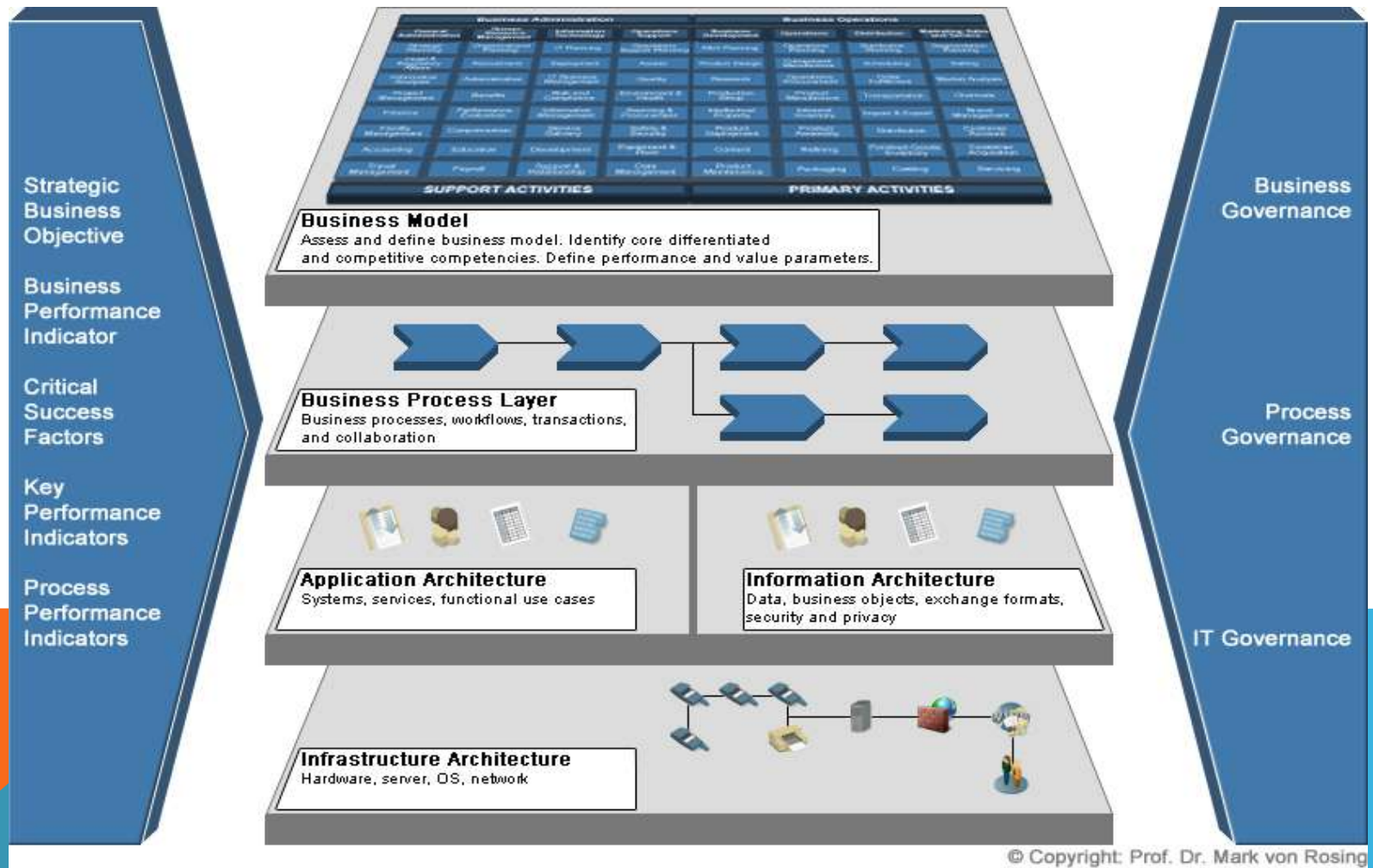
Procedure

When creating a customer master record, the user either enters the account number of the customer or has the system determine the number when the record is saved, depending on the type of number assignment specified. The account group determines the type of number assignment used.

The Windows taskbar at the bottom shows the system tray with the text "Fertig", "Internet | Geschützter Modus: Aktiv", and "100%". The taskbar includes icons for Internet Explorer, File Explorer, Windows Media Center, and other applications. The system clock shows "13:03 09.08.2011".

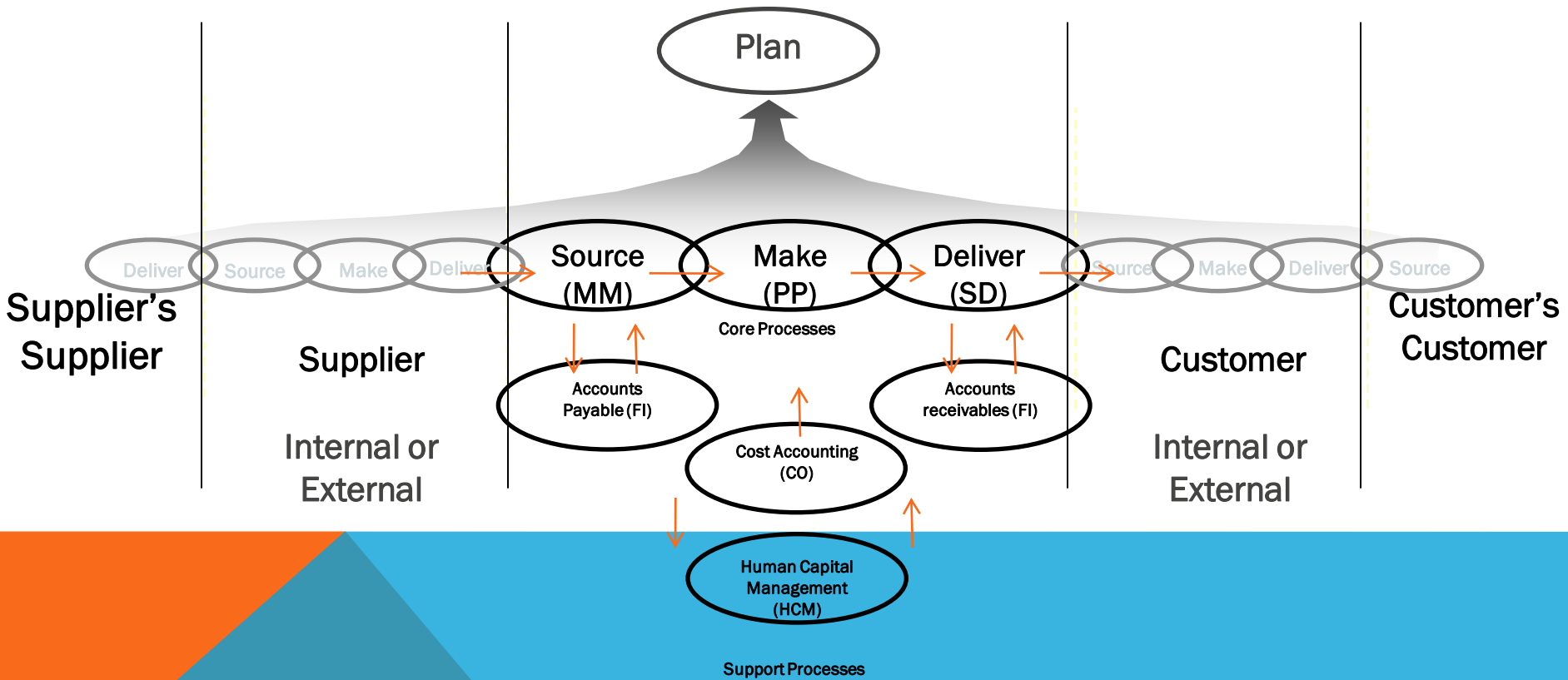
Sustainability Balanced Scorecards

Learn how to link strategy to business processes using Sustainability Balanced Scorecards



Internal Customer supplier relationship

Better understand internal and external customer-supplier relationships



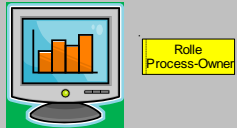
Execute Business Processes using SAP Business Software

LEARN ABOUT THE INTEGRATION OF BUSINESS AND INFORMATION MODELS 1/2

Student's Execution using SAP Business Software

Model Representation in ARIS

1. Presentation

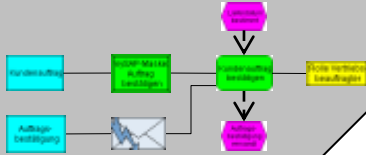


- Take User Roles of GBI 2.0 Org. units and interact with GBI 2.0 Processes via SAP Graphical User Interface (GUI) :

Organizational View

- *Org. units / (Positions / Roles) : Level of Abstraction (LoA) 1 to 3*

2. Processes

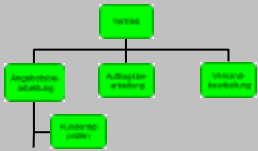


- Execute GBI 2.0 Processes :
 - Core processes of case study
 - Detailed case study processes
 - Business Rules

Process View

- *Value added Chain : LoA 1 and 2*
- *Event driven process chain : LoA 3*

3. Functions

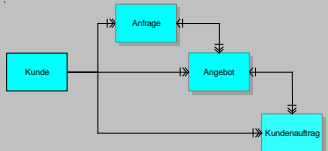


- Execute GBI 2.0 Transaction :
 - All content of case studies at a glance

Function View

- *Funktion Tree : Level of Abstr. 1 to 3*

4. Data



- GBI 2.0 Data In- / Output :
 - Entire SAP ERP Document / MoneyFlow
 - SAP ERP user interface structure (GUI)
 - All SAP ERP Master&Transaction Data
 - All SAP Systemorganization Units (Data)

Data View

- *Information carrier diagram : LoA 3*
- *Mask diagram : Level of Abstraction 4*
- *Business Vocabulary, Entity Relat. Mod. : LoA 3*
- *Org. Chart: Level of Abstraction 1- 3*

Levels of Abstraction (1-4)
 (1) Core level
 (2) Overview level
 (3) Detailed level
 (4) Document level

Learn about the integration of business and information models (2/2)

SAP University Alliances

Version 2.01

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Sales and Distribution (SD)

Product

SAP ERP 6.0 EhP4
Global Bike Inc.

Level


Beginner

Focus

Cross-functional integration
Sales and Distribution

In addition to the standard Sales and Distribution slides, this presentation includes links to business process models provided by a team at Hochschule Harz in Germany led by Prof. Dr. Hans-Jürgen Scheruhn.


These business models represent the processes in the case study 100% and thus facilitate an integrated view on data, functions and persons responsible.

Each link in the presentation is indicated by the symbol . A list of all links can be found on the second last page.

2012 HARZ SUMMMER PROGRAM RECAP

Course	ISM 4930 ST in CIS: Introduction to CIS (3 credits)
When	July 16-27, 2012 (2 weeks in Session B)
Where	Hochschule Harz University of Applied Sciences, Wernigerode, Germany
Pre-Requisite	ISM 3011
Faculty	Dr. Hans Scheruhn and Dr. Fan Zhao
Cost	600 Euros

PACKAGE INCLUDES

- 2 weeks housing and breakfasts at the DJH Youth Hostel in Wernigerode
 - Transportation from train station in Wernigerode to housing upon arrival
 - Program Supplies
 - Company visits to SAP Headquarters in Walldorf and SIEMENS IT Solutions and Services in Hannover
 - Social activities including tour of Wernigerode Castle and the city of Wernigerode
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3-DAY OPTIONAL TOUR TO BERLIN

When Last weekend of the program

Cost 180 Euros

Includes

- Transportation to & from Wernigerode and Berlin
- Accommodations
- Entrance Fees to programmed activities

DEADLINES

Confirm participation by January 31, 2012

Complete & submit application by February 28, 2012

Submit payments by March 31, 2012



Hochschule Harz

Hopes to welcome YOU in July 2012



Prof. Dr. Armin Willingmann
Rector of Hochschule Harz



Prof. Dr. Bernhard Zimmermann
Dean of the Department Automation and Computer Sciences



Prof. Dr. Hans Scheruhn
Professor in the Department of Automation and Computer Sciences



Katja Betker
Head of the International Office



Dr. Hans-Jürgen Scheruhn

Dr. Hans-Jürgen Scheruhn, Professor at the Hochschule Harz University in Wernigerode, Germany, Department of Automization and Computer Science, since 1994. Dr. Scheruhn teaches Online Process Management (OPM) with Enterprise Resource Planning Systems (ERP) and related subjects. He obtained his Ph.D in Engineering from Hanover University, Germany, in 1988. Starting as a System Analyst the same year, Product Manager and later as head of the Product Marketing department, Dr. Scheruhn was responsible for SAP R/3 at Siemens, Hanover, Germany. He jointly offers certified courses with Siemens IT Solutions and Systems.

Dr. Scheruhn's research focuses on Model-Based Implementation of Business Information Systems and Workflow Management. He has published about 50 international articles and several books, one of them in cooperation with KPMG Consulting . He also has got experience from numerous ERP projects with companies like Salzgitter Stahl AG and GESIS. Together with the SAP University Competence Center (UCC) in Magdeburg he has investigated its ITIL Compliance and has implemented the entire UCC Online Course Management based on SAP ERP. Nearly every year he has been presenting his projects at the CeBIT fair. He also is a Consultant for the implementation of SAP ERP at the Bundesagentur für Arbeit in Nürnberg, Germany.

Dr. Scheruhn has been teaching ERP graduate courses in several international Universities of Australia, New Zealand, the United States, Cuba and Spain. He is a Professor of Management at Krannert School of Management, Purdue University and GISMA Business School in Hanover, Germany, Courtesey Faculty at Florida Gulf Coast University (FGCU), a Former Lecturer of Enterprise-Systems Teaching Team at the University of Technolgy Sydney (UTS) and he obtained a “Profesorado” at the Universidad de Alicante (UA).

Information contained in this presentation is taken from
Prof. Dr. Hans Scheruhn's GBI 2011 Power Point Presentation

