
warp it AG

Services and Products for
Aerospace&Defense



Speaker

- Werner Magerl
- Director of SAP projects
- 20 years of experience in Aerospace & Defence business

Company Facts

- warp it AG was founded in 2000 as a consulting company for Aerospace and Defense
- Over 20 years of experience in logistic processes
- Specialist in ATA SPEC2000 and ASD S2000M specifications
 - Consulting chapter 1-4 as well as other chapters
 - Member of ATA e-business program
 - co-operation with ATA working groups
 - ATA e-Business Forum participation
- Specializing in e-Business processes in A&D
- SAP certified Partner „Powered by Netweaver“ since 2005

Our Skills

■ Specifications

- ATA SPEC2000
- ASD S2000M
- ASD S1000D Interfaces
- LSA
- EPS
- C-1-4 B007
- MIL-STD-1388-2B/S3000L

■ SAP Consulting & Development

■ EDI / ALE / Internet communication

■ XML / SGML / HTML

■ Portal (e-business)

■ Several Development languages (C/C++, Java, PERL, ABAP etc.)

■ Various databases (Oracle, DB2, mySQL etc)



Air Transport Association

SPEC2000
e-business standards

Partnerships

- **SAP AG**

warp it AG is Implementation partner and Development partner of SAP in Aerospace&Defense (SPEC2000 and S2000M Sphere).

Development of A&D Modules, especially for ATA SPEC2000 and ASD S2000M.

Partner for Integration Tests of SAP for new and modified A&D Functions/Modules.

Consulting partner for SAP A&D: Information Exchange and Consulting for SPEC2000 and S2000M.

Since 2005 SAP Software partner and „Powered by Netweaver“ for SPEC2000 XML solution.

SAP Support for A&D SPEC2000 functionality



- **BSB Bremer Software & Beratungs GmbH**

partnership with BSB since the year 2012 in planning, design and development for the software product MATCONF.

- **HiCo - ICS GmbH**

strategic partnership in the area of Integrated Logistic Support (ILS) since 2014.

ATA SPEC 2000

- Consulting chapter 1-4 as well as other chapters
- New: Chapter 7, 16 and 17
- Member of ATA e-Business program
- Co-operation with ATA working groups
- ATA e-Business Forum participation



Civil Aviation – SAP SPEC2000

- *Consulting and implementation service from one team*
 - *Concept and Design*
 - *Implementation*
 - *Go-Live and After-Go-live service and consulting*
- *Installation and Customizing of **SAP SPEC2000** modules*
- *Integration **SAP SPEC2000** interfaces (type B-Format)*
- *Enhancement of the **SAP SPEC2000** functionality*
- *SPEC2000 interfaces and scenarios for SAP PI environment*
- *SPEC2000 Administration and Monitoring*

- *Partner for SAP support and consulting*
- *Project “SAP SPEC2000 UPGRADE”*

Civil Aviation - Products for SAP ERP

- Product: Business package for ATA SPEC2000 XML
 - SAP certified: „powered by Netweaver“
AddOn for SAP SPEC2000 functionality to allow SPEC2000XML communication with SAP PI
- Product: xSPEC2000 XML Converter
 - AddOn for NON-SAP ERP environment to allow SPEC2000XML communication
- Product: XML Repair interface for SAP
 - XML Repair Interface and Monitor for SAP ERP
- **New product in 2014: eCERT for SAP ERP**
 - Interface for sending/receiving ATA_Partcertification and Monitortool to handle paperless authorized release certificates (EASA, FAA,...)

Military Area

ASD S2000M

- Consulting and implementation chapter 1-4 as well as other chapters
- AMS for SAP ERP: Integration solution of ASD S2000M into SAP ERP system
(integrated ABAP and SAP PI solution)
- Support and consulting system AMOSS (chapter 1-4)
- Airbus Defence & Space system ELMASS (chapter 1-4)
- Interface development AMOSS – SAP ERP or other ERP
(Ordering, Invoicing, Payment Ceiling control, Budgeting, Pricelist, ...)
- **New product: MATCONF**
(Chapter 1, Materiel Management, Technical Publication)

SAP ERP Consulting

- Crossfunction and communication specialists
 - Integration of A2A and B2B scenarios
 - Integration of automated processes
- Adaption to SAP modules SD and MM for customer specific requirements
- Workflow scenarios for Administration and Monitoring
- Workflow scenarios for business process integration

SAP ERP Development

- Realization of Add On's and additional functionality (UserExit, BADI concept, customer specific development)
- Development of SAP ERP Interfaces (RFC, IDOC, BAPI, web programming etc.)
- SAP ERP modules SD and MM development and customizing
- GUI Development, Transactions and Screens
- ABAP development: function modules and reports
- ABAP Objects
- ALE/IDOC scenarios, Output control, batch control
- Workflow customizing and development
- User support
- SPEC2000 administration and monitoring

- Software components (SWC) and Scenarios for ATA SPEC2000 and ASD S2000M
- Design, development and installation of A2A and B2B scenarios
- Development of mappings (graphical, Java, XSLT)
- Java modules for mapping and adapters
- Adapter development
- AddOn and enhancement for SAP SPEC2000 interfaces
- Concurrent use of SPEC2000 XML and SPEC2000 TypeB messaging for different partners

- Business processes for quotation process, order administration, customer invoice
- Flow control for defined business processes
- Data exchange to SAP ERP via standard ALE interface and IDOC adapter
- Interface mapping between IDOC types and XML messages
- Field mapping and conversion between EDI and XML formats
- Adapter Engine sends and receives XML messages (HTTP protocol, ...)
- XML messaging for “ATA_SparesOrder”, “ATA_SparesQuote”, ...

SAP Projects

- Development of ATA-module in SAP ERP A&D (SAP AG Walldorf)
- Installation/Enhancements of SAP SPEC2000 (Airbus, THALES Avionics, Lufthansa, KLM, MTU, Thales AES, SATAIR, IAE, Rolls Royce...)
- Support and consulting of SAP SPEC2000 (Engine Alliance, Pratt&Whitney, Rockwell Collins, British Airways, Sogerma, Elbe Flugzeugwerke, ...)
- Fund reservation, Invoicing and Billing interfaces between AMOSS and SAP ERP (NSPA)
- XML project (Airbus), SAP A&D enhancements
- EDI/XML messaging projects within the SAP PI environment
- Package for ATA SPEC2000XML for SAP PI “Powered by SAP Netweaver”

SAP Projects

- Interface between AMOSS and SAP ERP in Ordering, Delivery and Invoicing (Airbus Helicopters)
- Modification of A&D interface in SASPF project (BAAINBw)
- ASD S2000M integration for A400M (Airbus)
- Company integration for A400M/TP400 using SPEC2000XML (EPI, Rolls Royce, MTU)
- ASD S2000M interface for standard SAP ERP (Rolls Royce)
- Upgrade projects to higher SAP ERP version (e.g. ECC6)

New Products 2014

■ eCERT

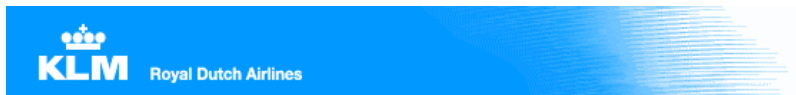
- Handle your authorized release certificates paperless in your SAP ERP environment
- Integrate the business processes with the new XML defined certificates (ATA SPEC2000 CH16) XML - HTML

■ MATCONF

- Materiel Management Software - interface between Engineering, Documentation, Publication
- Import parts lists, BOM, LSA-Data, Drawings, Graphics and pictures
- Verify and edit with an intuitive graphical user interface
- Export Illustrated parts catalog to your ERP/Customer in civil and military standards or even your own rules and guide lines.
- Receive/Send ASD messages including basic/change messages.



Customer Base



Bundeswehr

THALES

SUGAIR 65 – Product presentations

- eCERT for SAP ERP
- MATCONF and interfaces to SAP ERP
- Package for SPEC2000XML
- AMS S2000M AddOn

Contact

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