

# Company Presentation of

# SIBRA

## Ingenieurgesellschaft für Datentechnik mbH

Engineering Company for Data Systems Technology

The Company SIBRA  
Our Professional Services  
Our Experience  
Our Products  
Selected Projects  
Our Customers and References  
Co-operations and Contact

## The Company

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### ◆ SIBRA Ingenieurgesellschaft für Datentechnik mbH

#### ■ Legal Form

Private limited Company  
Registered at the District Court in Munich with  
Register Number HRB 62043

#### ■ Registered Office (only Administration):

Leiblstrasse 14  
D-82194 Groebenzell, Germany

Phone: +49 (0)8142 9 025  
Fax: +49 (0)8142 9 028

#### ■ Place of operative business:

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Phone: +49 (0)8142 57 264  
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## The Company

### ◆ SIBRA Ingenieurgesellschaft für Datentechnik mbH

- Internet:

<http://www.SibraGmbh.com>

- email:

[SibraGmbh@t-online.de](mailto:SibraGmbh@t-online.de)

- CEO:

**Eberhard Ramm**  
Diplom Engineer of Data Systems Technology

- Owner:

**Eberhard Ramm**  
Diplom Engineer of Data Systems Technology



## The Company

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### ◆ SIBRA Ingenieurgesellschaft für Datentechnik mbH

#### ■ Philosophy of the Company

- SIBRA is independent und has no reliance on any manufacturer
- SIBRA develops individual and custom-made solutions for all lines of business
- SIBRA improves the efficiency and market situation of the customer
- SIBRA increases the transparency of the enterprise for the management

#### ■ Organization of the Company

- An appropriate project team implements a contract
- Each team is managed by a Project Leader from SIBRA and from the customer
- The SIBRA Project Leader is the contact person for the customer in all project phases from analysis until starting production

## The Company

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### ◆ SIBRA Ingenieurgesellschaft für Datentechnik mbH

- State and processing of the enterprise
  - Founded in April 1980
  - Our employees are experienced IT experts with several years of professional experience and in most cases have an academic education
  - The knowledge of our employees is permanently held up to date in both methods and tools by specific further training
  - Number of employees: about 10

## Our Professional Services

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- ◆ **SIBRA, your reliable and qualified partner in**
  - Analysis
    - Migration Projects
    - Project Controlling
    - Project Management
    - Web-based Applications
    - Security-related Projects
    - Client-Server Architectures
    - Network Management Systems
    - Distributed DB/DC-Applications
    - Distributed Transaction Processing
    - System Integration, System Tuning
    - BS2000 Operating System Development
  - Computer Interconnection BS2000 – z/OS - UNIX

## Our Professional Services

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### ◆ SIBRA develops

- DB/DC Software
- Operating System Software
- Real-time, Transactional, and Web-Applications
- Customized Application Systems (Hardware and Software)
- Network Management Systems

### ◆ SIBRA consults

- Hardware and Software Selection
- Network Configuration and Design
- Computing Center Automation

## Our Professional Services

### ◆ SIBRA performs

- Project Controlling
- Project Management
- Research, Analysis, and Design
- Tool based Analysis of Application Source Code with Repository and Cross References
- Tool based Analysis and Migration for Programming Languages, Databases, and System Platforms with Repository and Cross References
- Porting, Redesign and Renovation of Applications with their data  
e. g. from Mainframe/Legacy Systems to Unix, Linux, Windows, SAP/R3
- Optimization and Tuning
- Programming Education
- Training,  
e. g. for the IBM Rational Developer for System z (RDz) with Debug Tool, the comfortable development environment of mainframe programs from your PC

### ◆ SIBRA offers

- service and implementation contracts for the realization of customer-specific tasks.  
In both cases SIBRA is interested in a close cooperation with the customer.



## Our Professional Services

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### ◆ SIBRA has special experience and know-how in

- Analysis of existing applications on all platforms for optimal performance and reduction of running costs (optimizing of running costs)
- Analysis and further development of existing solutions
- Re-design and renovation of existing applications
- Accessibility of existing applications onto Internet
- New implementation of individual applications
- Integration into available system environments
- Production of prototype versions
- Platform and database independent migration of applications and data resources
- Technology Consulting
- Euro conversions without Big Bang procedure
- Activation and deactivation of changes in applications controlled by dynamic deadlines with a dynamic Release Management Tool
- Mainframe Support for z/OS systems and its products

## Our Professional Services

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### ◆ SIBRA has special experience and know-how in

- Adaptation of computer centers on LE/390
- Migration to newer compiler versions, for example IBM Enterprise Cobol and PL/I with IBM Debug Tool
- LE Condition Handler (z/OS Language Environment), especially as a compatible substitute for the previous VS FORTRAN Extended Error Handling Facility
- Products for analyses and software development:
  - IBM Rational Developer for System z (RDz)
  - IBM Websphere Developer Debugger for System z (WDDz)
  - IBM Websphere Studio Asset Analyzer (WSAA), IBM Rational Asset Analyzer (RAA)
  - Relativity Modernization Workbench (RMW)
  - Software AG webMethods Application Modernization Suite, Discovery Edition for 3GL
- System tuning and system customizing (tailoring) for z/OS, Compiler, LE/390, CICS, IMS, DB2, IDMS, ...
- With Edge Portfolio Analyzer EPA Analysis of currently running Load Module Libraries for Enterprise, Application Portfolio, and Program Management
- Building up a DB2 based Load Module Repository LMR from currently running Load Module Libraries for the usage as a Configuration Management System

# Know-how, Experience, and Core Competences of the SIBRA staff

## Operating Systems:

BS1000, BS2000, OSD  
MAC-OS  
MS-DOS  
OS/390, z/OS incl. JCL  
OS/2  
AIX, HPUX, LINUX,  
SINIX, SCO UNIX  
SUN OS, SOLARIS  
WINDOWS

## DB/DC-Monitors:

CICS  
DCAM  
IDMS, IMS-DC  
UTM, UTMX

## Database Systems:

ADABAS  
DBASE (WINDOWS)  
DB2  
DL/1  
IDMS, IMS-DB  
INFORMIX  
LEASY  
MS-ACCESS  
PARADOX  
POSTGRES  
ORACLE  
ROCHADE  
SESAM  
SICAD-GDB  
SYBASE  
UDS  
VSAM

# Know-how, Experience, and Core Competence of SIBRA staff

## Programming Languages:

ABAP, ALGOL68  
ASSEMBLER  
(IBM /390 + z/OS, Siemens, RISC)  
BASIC, VISUAL BASIC,  
VISUAL BASIC for  
Applications (VBA)  
C, C++, VISUAL C++  
COBOL85, COBOL II  
FORTRAN  
JAVA, JAVASCRIPT  
LE/390 (Language Environment)  
NATURAL  
PASCAL, PL/I, PL/SQL  
REXX-Procedures  
SDF-A, SDF-P  
Smalltalk, SQL  
SPL3, SPL4  
UNIX-Shell

## Networks:

CMX  
CONNECT:Direct  
DAME  
DATEX-P (X.25)  
Entire Network (OS/2)  
ETHERNET  
FILE TRANSFER  
MAIL (X.400)  
NIS (Yellow Pages)  
NFS  
NOVELL Netware  
SNA with APPC  
SNMP, SOCKETS  
TCP/IP  
TRANSDATA  
UUCP  
Windows Network

# Know-how, Experience, and Core Competence of SIBRA staff

## **Web Technology eBusiness, C/S:**

Linux, Windows

Apache, MS-IIS,  
Sun Webserver, Tomcat  
SAP Web Appl. Server

ASP, CSS, HTML, dHTML,  
JAVA2, JavaScript, Perl,  
PL/SQL, PHP4, XML

MS-Access, mySQL,  
MS-SQL-Server, Oracle,  
Postgres, Sybase, UDB

Many Tools and Software  
Development Kits

## **Configuration Management:**

CSD-INTEGRA  
Edge Portfolio  
Analyzer EPA  
ENDEVOR  
GKMS  
KMS, KMSX  
KVS, PULS  
QBV (ADV Orga)  
RIVAS (Berliner Bank)  
SOVIS (GOLEM-DB)  
TOM

# Know-how, Experience, and Core Competence of SIBRA staff

## CASE Tools:

ASES, BKS (SINIX)  
ISPF  
NATURAL  
PREDICT CASE  
ADAPT STANDARDS  
MAESTRO  
ORACLE  
IBM RAA, RDz, WSAA  
SAP/R3  
SICAD  
TOM  
TPX  
Visual Basic VB

MS Visual Studio (.NET)  
C++Builder, JBuilder,  
JDK, Visual Cafe, etc.

## Documentation:

CWB Source-Code-Analysis  
with Repository  
HIT (SINIX)  
LATEX  
LOTUS NOTES  
MS-OFFICE  
MS-PROJECT  
MS-FRONTPAGE  
PAGEMAKER  
PREDICT CASE  
TOM-DOC

# Know-how, Experience, and Core Competence of SIBRA staff

## User Interfaces:

BMS (MVS)  
COLLAGE (SINIX)  
FHS with IFG  
FORMANT (SINIX)  
MAC-GUI  
OSF-MOTIF (SINIX)  
Presentation Manager  
for OS/2

## Products:

IBM Debug Tool,  
IBM RDz Rational  
Developer for System z,  
IBM RAA Rational Asset  
Analyzer & WSAA  
CICS Explorer

## Design Languages:

COLUMBUS  
EXCEL-Macros (VBA)  
IORL  
PREDICT CASE  
SQL  
WORD-Macros (VBA)

## Our Products

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### ◆ PROST for Euro Conversions

- Dynamic Program Monitor and Currency Conversion Functions available for
  - IBM MVS, OS/390, z/OS , Siemens BS2000 , IBM DPPX
  - /390- und Siemens-ASSEMBLER , C/C++, COBOL85 / II , NATURAL, PL/1

### ◆ C\_PROST for Euro Conversions

- Dynamic Program Monitor and Currency Conversion Functions available for
  - IBM AS/400 , IBM OS/2 , UNIX, MS Windows XP, 2000, NT, 98, 95 und 3.11
  - C/C++, Centura, COBOL85 / II, NATURAL, MS Access & Excel, RPG 2, VB

### ◆ EURO-Calculator Professional Edition

- For MS Windows XP, 2000, NT, 98, 95



## Our Products

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### ◆ LMR, Load Module Repository

**“The truth only exists in the code that goes into production every night”**

- Improvement of your Application Development, Program Quality and Performance
- Analysis of currently running Load Module Libraries for Enterprise, Application Portfolio, and Program Management
- Building up a DB2 based Load Module Repository LMR from currently running Load Module Libraries for the usage from system administration and application development as a Configuration Management System
- LMR is available on z/OS Mainframe and on Windows PC and Server (On UNIX on request)
- Effective software management requires a big picture view of the program portfolio
  - Managers can plan the most effective way to migrate to a new technology, compiler or run-time system or implement a set of standards
  - Portfolio management looks at a single application or possibly a family of programs
  - Developers migrating or modifying particular programs also need portfolio information with comprehensive cross references
- **Having the right information readily available makes the developer more productive. Problem areas can be addressed immediately, avoiding a lengthy trial-and-error process**

For more detailed information look at <http://www.sibragmbh.com/Current/G/Produkte/LMR.html>

## Our Products

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### ◆ RelMan, the Dynamic Release Management

- with a step-by-step realization and activation of the changes in an extensive complex application pool
- with an interface management between adapted and not yet adapted program packages
- with an object and installation control in a big heterogeneous computer net with mainframes, UNIX and PCs
- The program execution is dynamically controlled within a given date and functionality by deadline dependent program object properties
- Only for the new deadline dependent properties of the program objects a specific program coding is inserted which will only be executed in case of reaching the deadline
- Allows the separation of data (databases, files) and program (functionality) changes
- The change of the functional behavior of an application or transaction is only dependent on the reaching of deadlines without any program source and integration activities
- The deadline dependent properties of the program objects are centrally managed outside of the application programs
- Allows a test and debugging in advance in quick-motion with adjustable test data resources, that is simulation of the later activations and transitions independent of the system date of the computer
- At the planned activation deadline of the new software version no actions at all are necessary, everything is prepared
- Through avoidance of Big Bang adaptations at a fixed date the project risk is reduced strongly (no more with risk "Everything or nothing")

## Selected Projects

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- ◆ **Integrated Transportation Monitor System ITS and LACES for German Railway**
- ◆ **System Development for BS2000 for PC2000 und 7.500 C30**
- ◆ **System Development for BS2000 Memory Admin, Device Driver, GS, DRV, PCA**
- ◆ **System Development for BS2000 SQL & XS/XA-Conversion of UDS & SESAM-DCN**
- ◆ **Sisymed (a system for Medical Practices)**
- ◆ **Goods Wagon Information and Announcement System FIV for German Railway  
(10 years Maintenance & Further Development)**
- ◆ **Transportation Monitor System TS90 with HERMES, INGE for German Railway**
- ◆ **Product Development of DAME and GKMS (Network Management Systems)**
- ◆ **Waldkönig IV, Migration from BS1000 to BS2000**

## Selected Projects

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- ◆ **Product Development of PROST and C\_PROST for Euro Conversions**
- ◆ **Euro and Y2K Conversion of Giro-Application at Landesgirokasse Stuttgart**
- ◆ **Euro Conversion at Bayerische Landesbank München  
with ALU and IDEAL Backoffice**
- ◆ **Extensive Consulting, Development of Concepts and Implementation of  
Euro Conversions for our PROST and C\_PROST Customers**
- ◆ **Worldwide LE/390 und Cobol Compiler Migration in all Computer Centers  
of the DaimlerChrysler AG with  
Inventory, Tool Selection, Analysis with building up of a Repository, technical and  
organizational Conception and Coordination, Project Management, Controlling, Quality  
Assurance, Project Communication via Web-based Project Database over the Intranet,  
and a lot more things**

## Selected Projects

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- ◆ **Conception and Implementation of a Windows Common Client for DB2, UDB and Oracle with LDAP Connectivity to the enterprise-wide Active Directory of the DaimlerChrysler AG**
- ◆ **LE/390 and PL/I Compiler Migration in all Computer Centers of Airbus Operations GmbH DE and Euroclear SA/NV BE with Inventory, Tool Selection, Analysis with building up of a LMR Repository, technical and organizational Conception and Coordination, Project Management, Controlling, Quality Assurance, real Migration and Transition to the new Compiler Enterprise PL/I for z/OS**
- ◆ **LE/390 and Cobol Compiler Migration in all Computer Centers of Airbus Operations Ltd. UK with Inventory, Analysis with building up of a LMR Repository, technical and organizational Conception and Coordination, Project Management, Controlling, Quality Assurance, real Migration and Transition to the new Compiler Enterprise Cobol for z/OS**

## Selected Projects

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- ◆ **Operating Cost Optimization and Tuning of z/OS mainframe applications for the DaimlerChrysler AG**  
Examination and Tuning for: z/OS System, LE/390, Cobol- and PL/I Runtime, IDMS and Application Programming
- ◆ **Mainframe Support for z/OS Systems at Airbus Operations GmbH DE**  
and for its system products as compilers, transaction monitors, data bases and a lot of tools,  
Level 2 Support for application and programming problems
- ◆ **Build-up of a WSAA source code repository with impact analysis for the extension of central database fields used in all enterprise applications at Airbus Operations GmbH DE**  
(WSAA = WebSphere Studio Asset Analyzer V5.1)

## Selected Projects

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- ◆ Preliminary investigation and conception of migration alternatives of z/OS Cobol applications for Unix, Linux or Windows systems with market analysis for migration tools und methods
- ◆ Compiler Migration at DEVK Versicherungen from IBM PL/I for MVS & VM V1.1.1 to IBM Enterprise Compiler PL/I V3R9 for z/OS with inventory, source analysis, conception of the migration steps, training and assistance of the developers during source migration, Compile & Link of all application programs, launch and stabilization of the migrated applications,  
Modernization and improvement of the development and test environments, e. g. with z/OS Debug Tool V11.1, Fault Analyzer V10.1, File Manager V10.1, CICS and IMS Explorer (Eclipse) with plug-ins for Fault Analyzer and Debug Tool incl. Debug Profile Management for Batch, IMS, and CICS

## Our Customers and References

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(€) = We offered consulting and supported these customers with our EURO-PROST tools during the Euro Conversion

- ◆ **Airbus Operations GmbH DE and Airbus Operations Ltd. UK**
- ◆ **Barmer Ersatzkasse (€)**
- ◆ **Bayerische Landesbank München (€)**
- ◆ **BHW Bausparkasse AG (€)**
- ◆ **BMW AG (€)**
- ◆ **BWB Bundesamt für Wehrtechnik und Beschaffung**
- ◆ **DaimlerChrysler AG (€) (now Daimler AG)**
- ◆ **Datev eG (€)**



## Our Customers and References

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- ◆ **DAK Deutsche Angestellten Krankenkasse (€)**
- ◆ **DEVK Versicherungen**
- ◆ **Deutsche Bahn AG**
- ◆ **Deutsche Bank AG (€)**
- ◆ **Deutsche Telekom AG (€)**
- ◆ **Euroclear SA/NV BE**
- ◆ **HypoVereinsbank AG (€)**
- ◆ **Landesgirokasse Stuttgart (now LBBW Landesbank Baden-Württemberg) (€)**
- ◆ **Postbeamtenkrankenkasse (Bundesamt für Post und Telekommunikation) (€)**

## Our Customers and References

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- ◆ Oskar Schunck KG (€)
- ◆ Siemens AG
- ◆ Siemens Nixdorf AG
- ◆ SIS West GmbH (SRZ Rheinland GmbH) (€)
- ◆ Stadtparkasse München (€)
- ◆ Stuttgarter Versicherung (€)
- ◆ T-Systems International GmbH
- ◆ Tyco Electronics, Brussels
- ◆ VW AG (€)

## We have Co-operations with

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**Please don't hesitate to contact**

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