



## Company

SRP GmbH is a GIS-software and consulting company located in Berlin (Germany). The company started as an office for regional- and townplanning and has become a center of competence and excellence in GIS-software, application development and geoinformatics over the last fifteen years. Long term cooperations and partnerships with city administrations (e.g. Berlin) and major companies provided SRP with comprehensive experiences and skills regarding a broad implementation of geospatial information infrastructures and applications in private and public organisations. The unique synthesis of IT- and software development experts, know-how in planning and engineering domains and in-depth knowledge of the processes and workflows of customers distinguishes SRP from its competitors and is the reason for its success.

## Technology

SRP is offering core technologies and off-the-shelf solutions for Spatial Information Infrastructures and all kinds of georelated information management tasks in organisations. The SRP's Open GIS Component Technology (OGCT) comprises a set of scalable and combinable server and client components which are

- A powerful java-based Broker-framework (GIS-Broker) as middleware platform for web-based GIS-processing and data and information sharing on standardised services
- Connectors for all kinds of distributed data sources
- A GeoPortal-framework with ready-to-use standard client modules for fast and easy development of eGovernment web applications.
- A large variety of GIS-Desktop-applications (YADE) and application frameworks connectable to the GIS-Broker via standardised interfaces.

## Products & Services

- **GIS-Broker®** - eGovernment basic component (Java) and standard-compliant backbone for all kinds of web service based geospatial data and information management in public and private organisations
- **YADE@GIS** - High end Desktop-GIS for Windows (including OGC-web client) connectable to the GIS-Broker-Broker platform
- **Geoapplications** - GIS - and browser applications for town- and landscape planning, environmental cadastres, urban green maintenance, land survey register, GeoParticipation (among others)
- **Geosolutions** - Custom specific software solutions
- **Geoapplication and GeoContent providing**; hosting of third-party GeoDataServices
- **GIS-Consulting and education**
- **Digital cartography**



# OPEN GIS COMPONENT TECHNOLOGY - Overview



External Systems  
and eGovernment applications

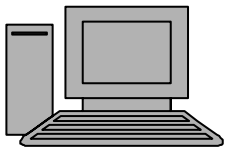
Desktop-GIS  
(Windows) und municipal  
GIS-applications

Webclients- and  
customizable web applications  
ready to use with standard web  
browsers

Embeddable mapping  
controls for Geoservice access  
for arbitrary Windows applications

OGC-compliant client-  
applications

Clients



External Systems & Services



YADE GIS-Clients



Broker Web-Clients



YADE GDI-Connect.



OGC-Clients

Internet/Intranet

Middleware

OGC/Web Service Interfaces  
for easy integration into existing IT-  
environments; providing of  
business logic and services for  
arbitrary external systems, services  
and applications via standardised  
service interfaces (OGC, eShop,  
content management systems)



eCP connect

GIS-data manager for  
transformation and integration of  
all kinds of dataformats (SHP,  
MIF, SQD, DXF, TIFF, ECW,  
BMP, JPG) for publishing it  
through the GIS-Broker

GeoPortal

Configurable standard client modules and web-applications

GeoBusiness logic



Access services

database-, GIS-, OGC-, WS-adapters

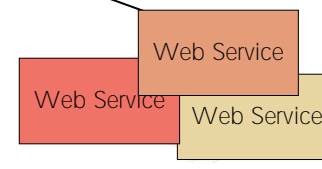
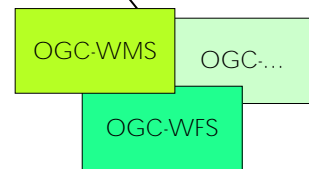
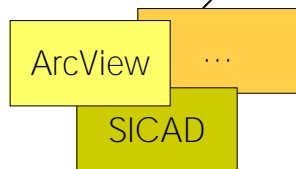
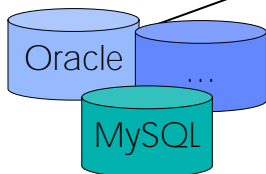
J2EE / OGCT application server

GeoPortal-Framework  
Serverside presentation logic for user  
interactions and web-applications  
based on configurable standard  
client modules

GeoBusiness logic  
ISO/OGC-compliant metadata  
administration, GIS-analysis,  
processing services, data capturing  
and editing, map manager, feature  
manager, user and rights  
management, platform management,  
service relation, system monitor

Access services and system adapters  
for dynamic access and integration of  
all kinds of distributed geo resources  
(databases, OGC-Server, geographic  
information systems, web services)

Resources



Internet/Intranet



GIS-data  
manager

OGC-WMS

OGC...

OGC-WFS

Web Service

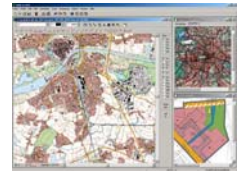
Web Service

Web Service



## yade<sup>®</sup> GIS

**YADE** (Yet Another Data Environment) is the name for SRP's advanced GIS-technologies and GIS-products for accessing, capturing, analyzing, displaying and presenting geospatial data and services. Yade has proven its excellence for many years and for the whole range of georelated tasks of government, administration and enterprises. YADE supports complex and redundance-free data models and provides powerful analysis tools including integrated spatial and attributive queries, spatial operations, thematic evaluations and presentations. An "easy to use" configurable user interface supports effecient workflows and fast results from the beginning. Numerous data and service interfaces give access to data of all important GIS-formats, ODBC-databases and OGC-compliant servers. Due to the system-owned *YADE Makro Language*, which allows to create user defined commands, workflows and user interfaces, Yade is an ideal plattform for developing all kinds of customized applications.

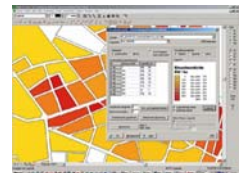


### Data capturing

- Comprehensive drawing and construction tools
- On-screen or table digitizing
- Feature types: Point, line, polyline, arc, circle, area, symbol, text, complex objects

### Customizability

- YADE Makro Language
- User defined commands, workflows and data models
- Customizable menus and toolbars
- Extensible libraries (symbols, signatures, line types, pens)



### Data access and interoperability

- Data formats: Yade, Esri Shapefile, DXF, MAPInfo, Sicad, EDBS
- Databases: Oracle 10g/9 i and any ODBC-database
- Images: bmp, tif, ecw, png, jpg
- Services: OGC

### Embeddable GIS

- YADE OCX - embeddable map components for integration of mapping and GIS-facilities into existing Windows<sup>®</sup> applications
- Programmable map objects
- „Plug & play“ SDI-connectors (OGC)



### Data analysis

- GeoSpatial Query Language (GeoSQL) which allows to combine spatial and thematic search parameters (incl. GeoSQL-Wizzard)
- Buffer, overlay, aggregation, spatial intersection, statistics and reports

### Main fields of application

- Town-, regional and environmental planning, land survey register, real estate management, urban cadastres
- Urban green management
- Social and technical infrastructure
- Digital cartography

### Presentation

- Complex signatures, line types and symbols
- Thematic mapping and business graphics
- Tools for creating ambitious map layouts for printing or for PS/PDF-files

### System requirements

- Microsoft<sup>®</sup> Windows<sup>®</sup> (98, NT 4.0, 2000, XP)
- Intel<sup>®</sup> Pentium<sup>®</sup> III compatible or higher
- RAM 256 MB or higher
- 50 MB free disk space

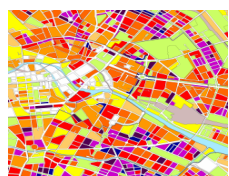
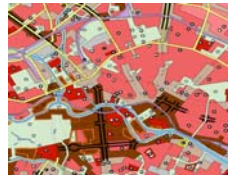




## GIS applications & custom solutions

Due to its powerful programming facilities YADE technology is the ideal platform for fast and efficient development of applications and all kinds of custom made GIS-solutions. YADE provides Makro Language (YML) which orientates on SQL- standards and allows to analyze and manipulate geographic features as well as attributive data. In addition to this YADE Makro Language supports the creation of user defined commands, workflow automatizations and the design and implementation of customized user interfaces. YADE Makro Language is an integrated feature of YADE GIS and is delivered with the standard product.

„Ready to use“ application modules are available for town- and landscape planning, land survey register evaluation and urban park and tree management. Furthermore numerous application frameworks for a wide range of administrative tasks are available which can be adapted to local and custom specific requirements. Embeddable mapping and viewer tools enables customers to add GIS-functionality to legacy applications or to publish intelligent digital maps in a very cost efficient way.



### Application frameworks and themes

land use plan - land register - park management - landscape planning - management and maintenance - biodiversity - biotops - air pollution - noise - traffic - electromagnetic fields - value - residential areas - telecommunications - urban green management - biodiversity - biotops - groundwater - soil - sewage plans - vegetation - urban development plans - land use master plan - local plan - telecommunication - waste - energy - water/waste water - geology - traffic - parking zones - land register - urban green management - real estate management - landscape planning - management and maintenance - biodiversity - biotops - air pollution

### Ready to use“ GIS-application modules

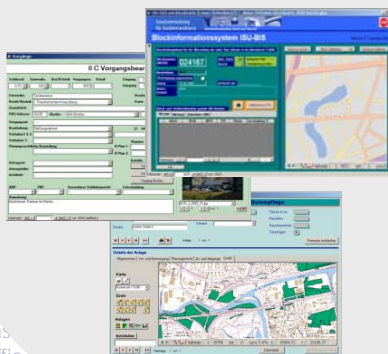


- land use plan
- land register
- park management
- landscape planning

### GeoPublishing components for DVD/CD-ROM



### Embedded mapping



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