

## Spatial Workshop 2008 Fact Sheet

Spatial Workshop 2008 is the product suite from Spatial Eye, that offers great features for everyone who wants to use spatial information from a range of sources within a Microsoft Office like style. The product makes it easy to examine, view, combine, analyze, integrate, query and print spatial data. Spatial Workshop is available as a smart client, as a field system, as a server version and in components.

Combine or filter information to your needs with a few clicks. Create and use maps, satellite images, schematics, photos. Link spatial information to your other data.

Data sources can be used as is, without a complex extract, transform and load process. Simply connect to the data sources and select the data that want to use in the office or in the field.

Spatial Workshop helps you to model data from multiple sources into unique, flexible business objects, that provide you with ways to link spatial and non-spatial information, maps, photo's, documents and websites that you never had before. A set of styling options makes you present fantastic maps.

## Product Features of the Spatial Workshop Platform

### Business Objects

#### Business Object Configuration

- Define Business Objects as an aggregation of data collections from one or multiple data sources
- Add and remove business object fields from data source collections on the fly
- Rename Business Object names and Field names
- Create additional information through derived spatial and alphanumeric fields
- Add derived fields from available spatial and non spatial data:
  - labels
  - area centre points
  - calculated fields, etc.
- Derived smart fields:
  - Smart links (web address and-mail address)
  - Smart link to an Office Document
  - Configure Smart Tags with Smart Links

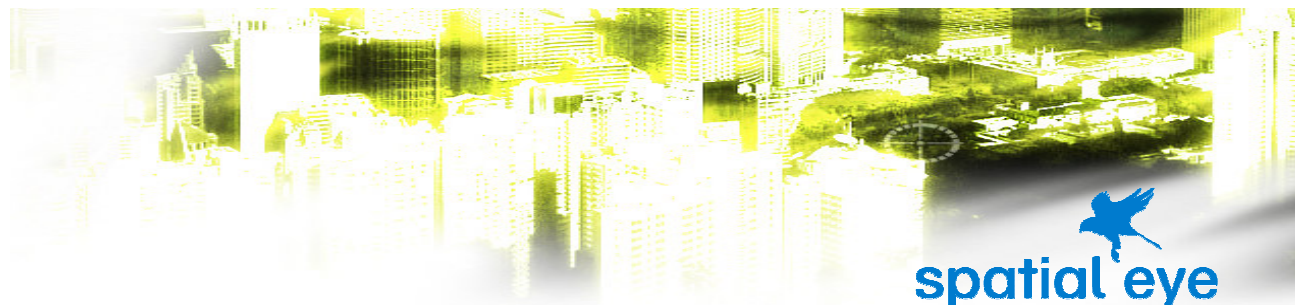
#### Data sources

- Oracle and Oracle Spatial 9i and 10g (Including Locator and Express Edition)
- Support for Oracle Workspace Management
- Smallworld VMDS
- ESRI Arc Shape files
- ECW Files, incl. jpeg2000
- Microsoft Excel Workbooks
- Microsoft Access database
- Microsoft Office Documents

#### Relations between Business Objects

- Create relations between data in disparate feature sources through Business Objects
- Define relations (joins) between Business Objects
  - via alpha numeric fields
  - via spatial relations like inside, crossing, contains, touching, etc.

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### Resilience

- Resilience against missing feature sources
- Indication to the user of missing feature sources
- Automatic reconnect to data sources

### Maps

#### Maps

- Support for multiple Map Types
  - Geographic Maps
  - Schematics
  - Pictures, rasters, images
  - CAD drawings
- Support for Single and Multiple Maps (e.g. sketches, pictures, substations...)

#### Multiple maps

- View multiple maps in the map window
- Open maps via Smart Tags

#### Smart Tags and Smart Links

- Smart Tags are special geometries (symbols) on the map giving access to Smart Links
- Smart Links give access sources, like:
  - Additional maps (raster and vector), like internal worlds or sketches
  - Microsoft Office Documents (or any document source, where the system has an associated program for)
  - Web pages
  - E-mail addresses
- Smart Tag can be collapsed and the Smart Links including an additional map preview can be accessed
- Smart Tag symbols appear and disappear depending on mouse movement/hovering

#### Coordinate systems

- Support for EPSG and all Smallworld coordinate systems over the world, with specializations for:
  - Europe
  - North America (NADCON)
  - Australia

#### Themes

- Themes to group geometry visibility into comprehensive hierarchies
- Named scale ranges
- Switch visibility of a single theme or multiple themes
- Restore theme visibility settings to default settings
- Difference between foreground, background and analysis themes, each 'theme group' is rendered separately and independently
- Configure visibility settings for themes and scale ranges
- Optimized foreground, background, dynamic and analysis data

#### Map Navigation and Interaction

- Smooth pan and zoom
- Indication of actual zoom area
- Go to Home view
- Go to Previous and Next map view
- Go to selected object
- Go to same position in other map
- Go to coordinate
- Save and go to Bookmarks / Favorites
- Measure distances on the map

### Query, analysis, output

#### Select and Display Feature Properties

- Select geometries on the map (click, stack and drag)
- Transparent highlight/selection color
- View Feature Properties of selected object
- View Field properties of selected object
- Select multiple geometries
- View multiple selection properties (number, total area, total length)

- View multiple selection in Feature Result List
- View the Feature Properties of previous selections
- Go to selected Object in different World

#### Feature Result

- View result records from multiple business objects in a list
- Sort result on field values
- View result records from multiple business objects in maps

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- Group and filter result
- Go to selected object in different maps
- Export result to Microsoft Excel or ESRI Arc Shape files
- View selected object in Feature Properties

### Search and Analyse

- Define and run queries based on static and/or dynamic parameters
- Quick Find Queries
- Query result displayed on map in separate theme group
- Query result shown in the feature result
- Each Query result has its own theme and sub themes
- Change parameter values of queries
- See the dynamic result of dynamically changed parameter values on the map and in the feature result

## Configuration

### Configuration

- Business Object, Map and Style Configuration is activated from the Business Objects panel
- Context sensitive Ribbon for Business Object, Map and Style Configuration

### Map Configuration

- Configure Themes
- Configure Display Ranges
- Create Map definitions (single or multiple map, geographic or local map)
- Define default coordinate system
- Add geometries to Themes
- Add map layers (raster images) to Themes

### Style Configuration

Open and close default Style Libraries

- Predefined, discipline specific style libraries available for a quick start
- Include your own jpeg's and icons
- Select a style library element for a geometry; optionally change the properties you want to override
- Define attribute depending visualization (attribute slice or attribute lookup)

- Search and go to addresses using the Gazetteer based on the Oracle Geocator service
- Measure distance on the map

### Output

- Print Map view and contained Smart tags to Adobe PDF Documents
- Print to Microsoft XPS documents (XML Paper Specification)
- Default templates for all common paper sizes
- Print Smart Tags (additional maps)
- Export Map view or Query results to
  - ESRI Arc Shape
  - Microsoft Excel
  - KML / Google Earth

### Copy data to clipboard

- Copy Map view to clipboard
- Copy mouse coordinate to clipboard

- Define view scale depending visualization (view scale slice)
- Optimized label presentation and white space management
- Cartographic support for styling

### Projects

- Save and restore settings in Spatial Eye Project file
- Store user-defined project properties and values
- Encrypt XML project file to prevent human and external system readability

### User Interface

- User Interface based on Microsoft Office 2007 © Ribbons
- (Auto) docking panels
- Support for skins

### Authorization

- Feature source authorization (optional, e.g. Oracle)
- Role based authorization



- Authorization based on Windows operating system and/or Domain user groups (roles)
- Authorization Elements:
  - Query
  - Configuration of Business Objects
  - Configuration of Maps
  - Configuration of Styles
  - Check for Updates
  - Project Authorization
  - Project saving
  - Print
- Gazetteer
- Quick Find
- Export
- User Options
- Directly see authorization changes while configuring

#### **Internationalization**

- Multiple language support
- Automatic transformation of coordinate systems and projects

## **System support**

### **User Interface**

- Application Button, giving access to main project functionality
- Enhancements of Ribbons (Microsoft Office 2007)
- Full Screen modes (hide panels and ribbons, only see the map)
- Switch Panels on/off
- Tooltips

### **Help and documentation**

- HTML Help file, including Index, Search and Favorites
- User documentation
- Configuration documentation

- Background information and concepts
- Glossary

### **Installation and Updates**

- Setup Wizard
- Check for updates over Internet

### **Operating System Support**

- Microsoft Windows 2000 with SP4, XP with SP2, Vista
- Microsoft .NET Framework 2
- Windows MSI Installer 3.0 10.2 Release 1.1

## **Products**

Spatial Workshop is available in different configurations.

- Explorer: the viewer.
- Engineer: the field client.
- Analyst: the analysis application.
- Architect: the configurator.
- X&Y server: the server version
- And as components that can be integrated into your own IT systems.
- Express: the smart client that offers you all functionality to take a quick start.

Each configuration offers its own specific functionality, based on the base functionality of Spatial Workshop.

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