



MATERNA
Information & Communications



Government Site Builder

*The Content Management Solution for the
Federal Administration*





Government Site Builder – The Content Management Solution for the Federal Administration

Citizen-oriented services and efficient administration are the first items on the agenda for IT planners in public administration. MATERNA has been established as a partner for public agencies for many years and has successfully implemented numerous projects. In addition to its cross-sector range of products and services, MATERNA provides solutions packages which are specially tailored to the needs of public administration.

With Government Site Builder (GSB), the content management solution from the German e-government initiative BundOnline, a standardised content management system (CMS) is available for all federal agencies. The German Federal Administration Office developed the solution together with MATERNA. Public authorities and agencies can now implement their internet, intranet and extranet sites very quickly and economically.



Government Site Builder is a comprehensive CMS solution consisting of a building block system made up of numerous modules. The solution is client-capable, SAGA-compliant (Standards and Architectures for e-Government Applications) and provides a preconfigured layout which is oriented to the Federal Government's Internet Styleguide. The system consists of numerous preconfigured modules which can be utilised as standard or be adapted with minimum effort.

Flexible and Modular

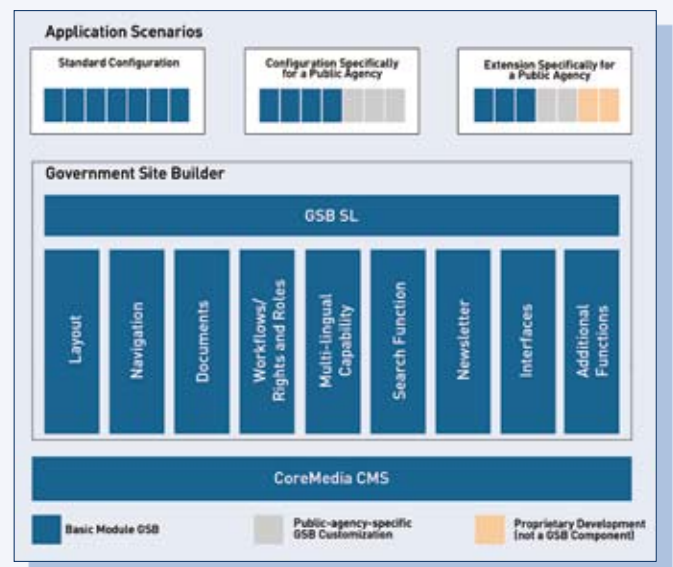
The technological basis of Government Site Builder is the content management system from CoreMedia which was selected within the framework of a European-wide bidding process. Based on that, GSB provides ready-to-use standardised building blocks for all CMS and website functions. This enables content applications to be implemented quickly and cost-effectively for everything from simple websites to complex, multi-channel services.

The modules were designed according to the typical demands of public agencies. They contain, for instance, ready-to-use layout templates or navigation concepts. They are complemented by further modules which are not originally part of a CMS but are useful additional features for websites, e.g. newsletter or search functions.

All modules can be utilised by public agencies according to their own requirements. They can be specifically configured or complemented by additional developments of their own.

GSB makes use of client server architecture and distinguishes between productive and live systems. Open interfaces facilitate the extension of the systems and the integration of external applications.

The highly scalable system and appropriate caching mechanisms ensure high performance levels even when access levels are high.



Configuration variants:
modular – according to budget and requirements

Modern and User-friendly

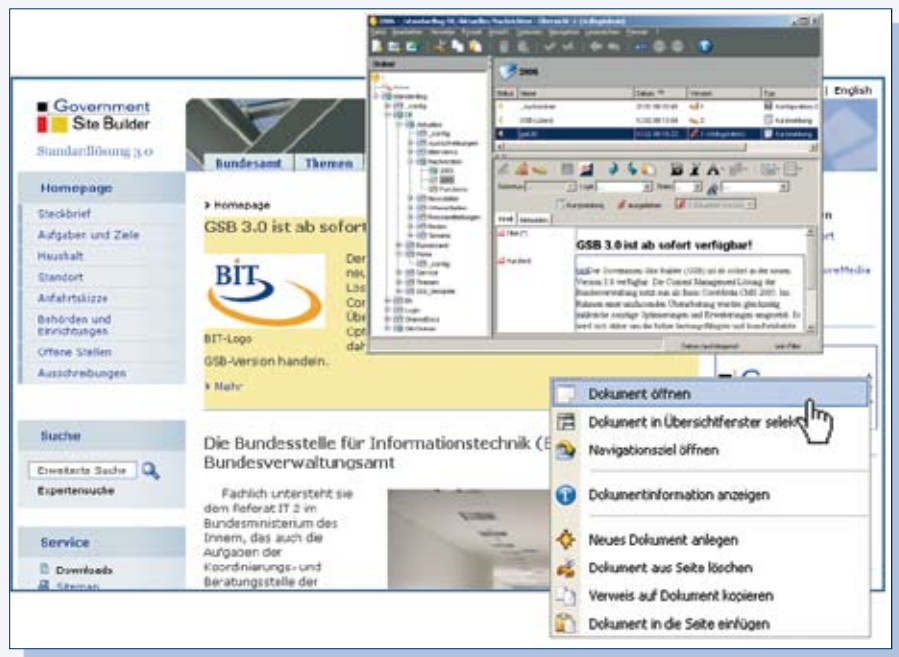
GSB enables editors and publishers to process information efficiently, to make it specific to target groups and to keep it up-to-date, all without the need for any technical knowledge.

A comprehensive document model developed specifically for public administrations supplies simple compilation templates for all typical applications e.g. for tenders or press releases.

Trend-setting usability also means that there is a low threshold level for occasional users so they can get started easily, too.

Users are provided with a Java-based editor and a web-editor for their work. Both enable layout views at any time by means of a preview system. Simple forms guide the publishers through the creative process.

A comprehensive, flexible roles and rights concept enables adaptations to be made to suit the editing structures of the respective public agency. Publication workflows guarantee assured quality on both a specialist and a technical level.



Simple and user-friendly:
The editor can be called up via context menus in the layout preview.

Cost-effective and Sustainable

Public agencies and institutions are not charged for using GSB and a licence for the CMS from CoreMedia can be obtained on a self-financing basis by means of a federal licence.

The preconfigured GSB modules help to implement projects quickly and cheaply without having to carry out any extensive programming.

The client-capability of the GSB also leads to particularly cost-effective operation. Several websites or domains can be operated on one platform and be administered together. Sub-sites and satellites with their own layouts can also be operated alongside them within one client.

The Federal Agency for Information Technology provides central hosting as an ASP service in their computer center for the agencies of the Federal Administration. However, GSB can also be operated de-centrally by the respective agency itself or by other service providers.

Centralised further development and support of the system by the Federal Agency for Information Technology ensures the sustainability and future-proof nature of the solution. Individual project solutions can be made available to all users as new modules in subsequent releases.



Accessibility and SAGA Compliant

Government Site Builder takes the established e-government standards into account and supports the creation of accessibility compliant websites.

GSB supports the requirements of accessibility for German authorities (BITV) from a technical point of view, and also provides support for publishers when creating accessible contents. It complies with the Standards and Architectures for e-Government Applications (SAGA). According to SAGA, use of GSB is obligatory for information websites and websites with access to specialist applications.

GSB layout templates are oriented towards the Federal Government's Internet Styleguide (ISB), but also offer the freedom to implement one's own layouts.



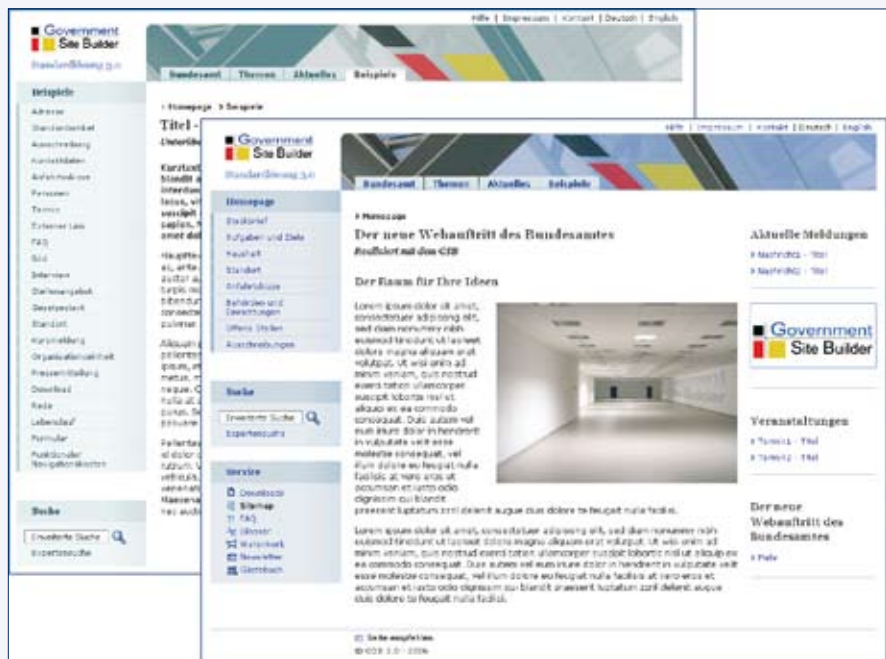
Quick to set up: GSB SL

GSB SL (standard solution) provides a basic model which enables a high quality content management solution to be implemented quickly and easily.

GSB consists of:

- a modern, configurable layout (based on CSS style sheets), oriented towards the Federal Government's Internet Styleguide
- prepared navigation concepts with crossover- or tree-navigation as well as path navigation
- a prepared document model with configured editor templates and equipped with dynamic lists such as those used for news overviews or glossaries
- numerous convenient service functions such as print version, sitemap, full-text and advanced search, email recommendation, feedback form and newsletter
- prepared roles and rights concepts for editors, site-managers and quality officers

This means GSB SL is a good basis for very fast, cost effective implementation of websites of all types.



Modern and variable:
layout variants with GSB SL

GSB Features

An overview of version 3.0:

General Performance Features

- Client capability
- Multi Channel Publishing
- Open architecture (J2EE, XML, LDAP)
- Extensive APIs

Technological Basis (CMS)

- CoreMedia CMS 2005

Operating Environment (Server)

- Operating systems: Solaris, Linux (Suse)
- Database: Oracle
(further operating systems/databases can be used within the framework of project solutions)

Standards taken into Account

- Standards and Architectures for e-Government Applications (SAGA)
- Accessibility according to BITV
- Federal Government's Internet Styleguide (ISB)

Flexible Content Model

- Parallel or independent multi-language websites
- Numerous standard document types
- Special document types for configuration and administration

Style Sheets and Layout

- User-defined layouts can be implemented
- Implementation of Federal Government's Internet Styleguide
- Implementation and delivery of text in HTML, pdf, text and printable HTML
- CSS modules on the basis of document types

Website

- Time-controlled publication, archiving and depublication
- Access statistics
- Standard pages / individual pages for HTTP fault codes
- Spam protection for email addresses

Multi-Site Publishing

- Operation of separate live systems from one editor system
- Operation of several sub-sites / satellites in one website

Java Editor

- High performance and user-friendly user interface via Java Web Start
- Special UI modules (validators and initializers for ClassifiedLinkLists)
- Convenient copier functions of complete file structures including linking

Web Editor

- Web-based installation of free editor interface
- UI modules (validators / initializer)
- Extended file pre-selection during the generation of links

Preview-based Editing

- Editing functions called up via preview window
- Convenient function selection via the context menu with the right mouse button

Navigation

- Various navigation concepts: file-, tree-, bar-, path- (bread crumb) and drop down navigation
- Hierarchical and crossover navigation

Protected Access Areas

- Directory-based, administrable access protection
- Authentication and authorisation via Tomcat mechanisms

Dynamic Lists

- Dynamic presentation of contents according to topic, document type, and/or target groups
- Dynamically filled catalogues, glossaries and tables
- Editor can bring dynamic lists up to date (TIM – Time Invalidation Manager)

Search Functions

- Configurable connection of the open source search engine Lucene
- Extended full-text search (incl. pdf, Word and Excel documents), key word search, advanced search
- Configurable search for dynamic pages
- Integration of external Lucene indices
- High-end search engine (FAST) in the editor-interface

HTML Forms

- Automatic confirmation mail
- Mail dispatch of form data to a mail distributor
- Database integration for storing forms data
- Modules on the basis of document types
- Upload of data to forms

Versioning

- Version-control of contents in the editing system
- Comparison of the differences between two document versions via separate preview

Editing

- Flexible roles and rights concept
- Access concept

Workflows

- 2-, 4- and 6-eye workflows
- (Auto-) publication and de-publication
- Proxy provisions, timeout functions
- Mail notification and resubmission
- Newsletter workflows
- Check for external links

Link Consistency

- Internal links kept consistent with CMS
- External links are collected in a special document type and can be checked automatically

Multimedia Database

- On the basis of document types as well as dynamic catalogues and tables

Shopping Basket

- Example configurations in GSB SL

Guest book

- Comment function for visitors to the website
- Possibility for administrator to moderate/chain

Newsletter

- Support "Majordomo" and "Mailman"
- Implementation of manually, semi-automatically and automatically created newsletters
- Subscription via website (with or without authentication)
- Moderated newsletter (closed participant list)

RSS Generator

- Newsfeed functions via RSS

GSB Importer

- Import of structured XML output formats via XSLT transformation
- Support for automated re-use of imported content

Accessibility

- Accessible, completely CSS-based layout in GSB SL
- Support for editing work by means of various labelling opportunities

GSB SL (Standard Solution)

- "Out-of-the-box" solution": completely prepared website with CSS-based layout

Hosting and Operations

The Federal Administration Office provides Federal Administration institutions with central operations as an Application Service Provider (ASP) in its computer center. The Government Site Builder can, however, be operated de-centrally by the respective agency or by other service providers.

Acquiring GSB

Use of GSB is exempt from charges for public agencies and Federal Administration institutions. A licence for the CMS from CoreMedia, which it is based on, can be acquired on a self-financing basis by means of a federal licence. Within the framework of Deutschland Online, Government Site Builder is also available free of charge to the agencies in the different federal states, municipalities and districts which have the necessary rights to the basic software (CoreMedia CMS, database software, operating systems).

Information

Contact partner at the Federal Administration Office:

Bundesstelle für Informationstechnik

Elias Paraskewopoulos

Phone: +49 1888/358-16 40

Email: gsb@bva.bund.de

www.government-site-builder.de

Selected Clients – Trendsetting Solutions

Numerous clients are already using Government Site Builder



Internet solution
www.zivildienst.de



Intranet solution



Internet solution
www.bmg.bund.de



Internet solution
www.bamf.de



e-trade-center (bfai)
www.e-trade-center.de



iXPOS Portal (bfai)
www.ixpos.de



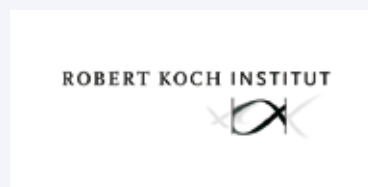
Internet solution
www.deutsche-rentenversicherung.de



Intranet solution



Internet solution
www.pei.de



Internet solution
www.rki.de



Internet solution
www.thw.de



Internet solution
www.dehst.de

Please find more references for the Federal Administration Office at: www.government-site-builder.de

More Information

Find out more about our services in the GSB environment:

- MATERNA employee portal on the basis of GSB and the forms management solution FormsForWeb® from Lucom
- MATERNA SiteBOp – the accessibility optimiser for your website

We would be pleased to send information material to you.

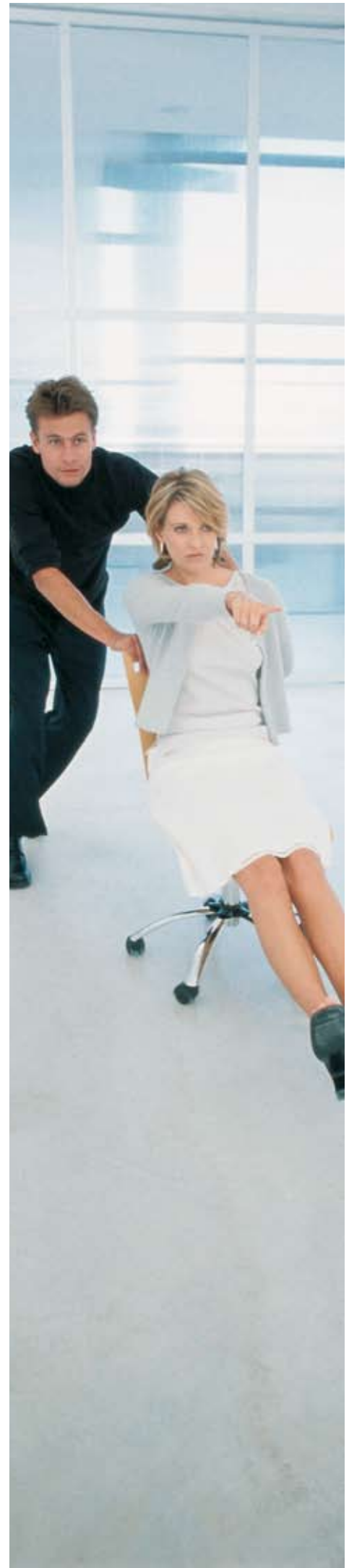
Contact partner:

MATERNA GmbH

Ulrich Pinner

Phone: +49 231/55 99-82 75

Email: gsb-info@materna.de



MATERNA

Information & Communications

E-Mail: marketing@materna.com

www.materna.com • www.materna.dk • www.materna.se • www.materna.com/fi • www.materna.de • www.materna.at