

# GS1 Barcode Generator

February 2021



■■■ *Software Development & Consulting*

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# Agenda

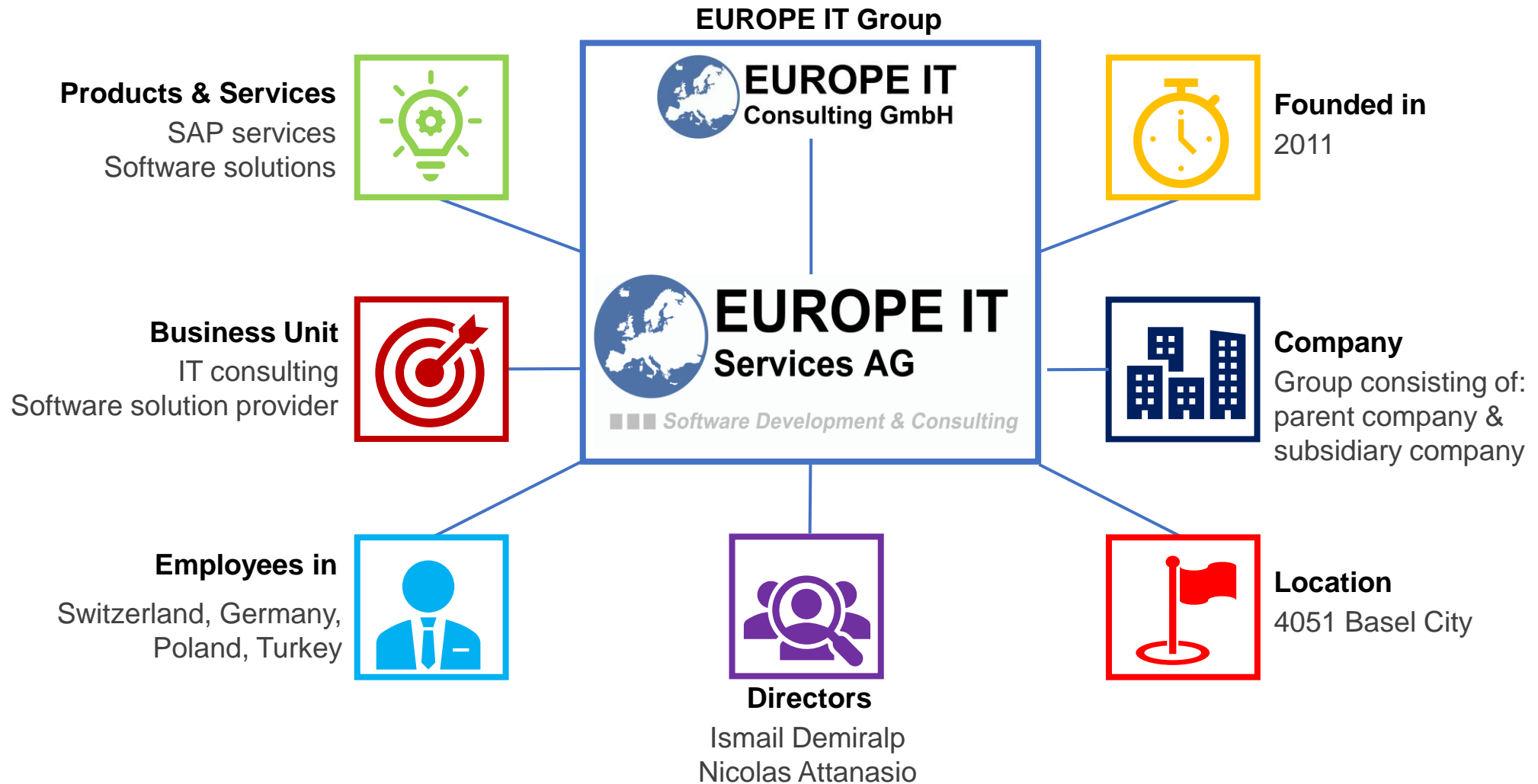


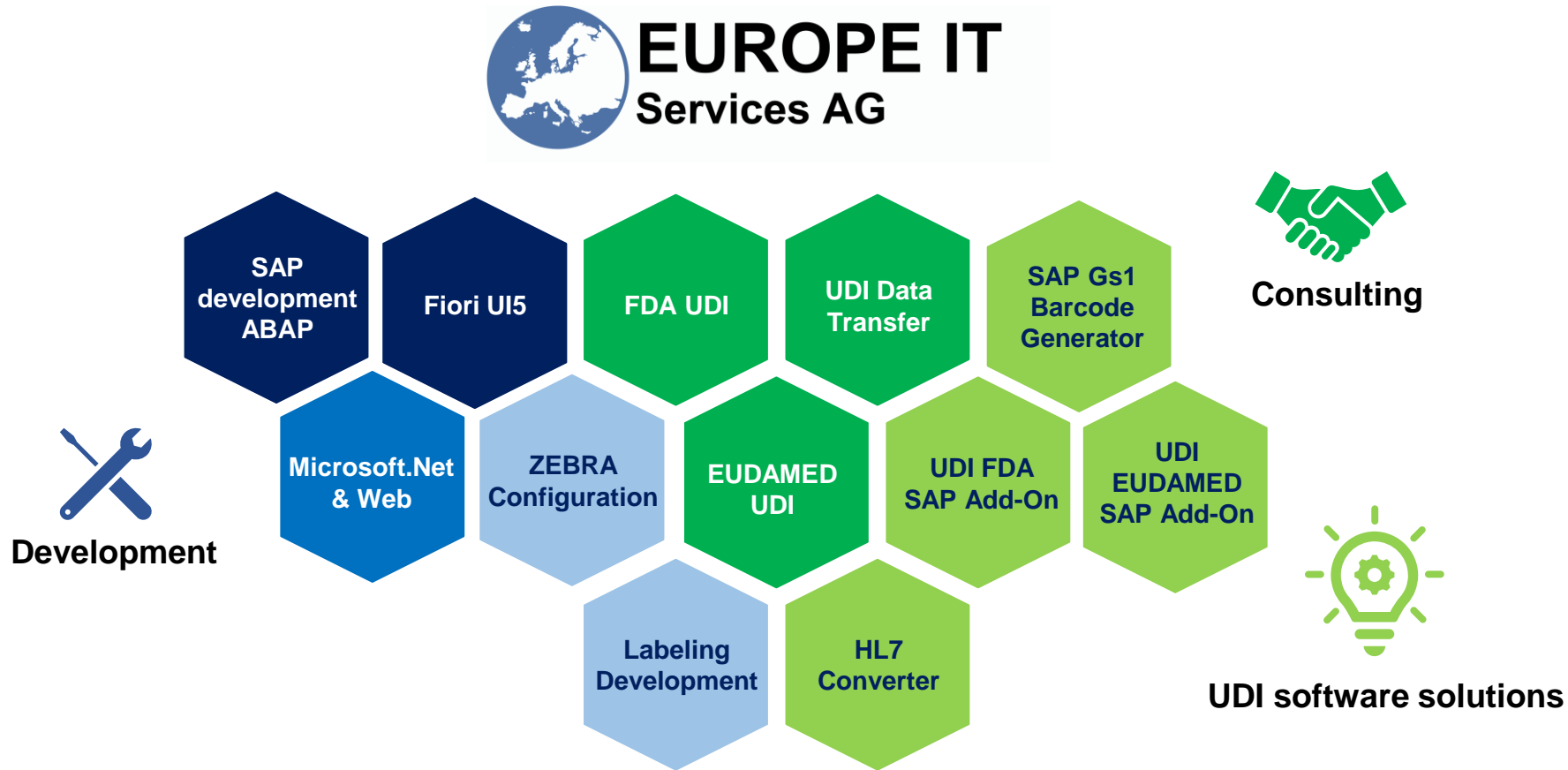
1 Introduction EUROPE IT Services AG

2 Generate GS1 Datamatrix and GS1 Code in SAP ECC 6.0

3 Form Development

4 Functionality with Adobe Document Service





**EITS Partners**



for FDA UDI



for EU UDI



Barcode Generator





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### Your requirements

- Labels created with SAP Interactive Forms by Adobe must have a GS1 barcode due to regulatory requirements.



### Our solution

- The GS1 Barcode Generator from EUROPE IT Services AG. With our solution you can generate GS1 compliant barcodes (GS1 Code 128 and GS1 Datamatrix) in SAP and use them in forms.

#### Features:

- Completely developed in ABAP, integration as encapsulated ABAP class in your system code 128 and datamatrix codes according to GS1 standard
- Support of all common AI's (Application Identifiers)
- No access to external resources necessary (no RFC and no web service call), therefore minimal overhead for code generation
- Generation of the code is independent from physical printing on paper, therefore E-mail delivery of the generated form incl. GS1 barcode is possible
- Usable with any SAP form technology (SAP Interactive Forms by Adobe, Smartforms, SAPScript)
- The barcode generator requires the HRI (Human Readable Interpretation) with Application Identifiers according to the GS1 standard
- With Adobe LiveCycle Designer generated forms, the GS1 Barcode Generator can be called either in the print program or directly in the form interface.

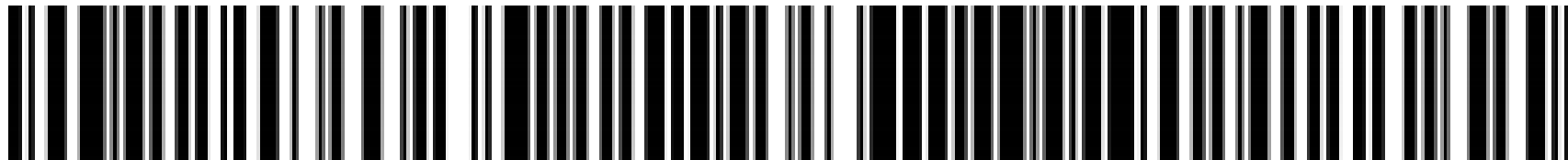


### Our services

- Import of the GS1 barcode generator into your system
- Adaptation of your print programs to generate the HRI
- Integration of the GS1 Barcode Generator in the print program / form interface
- Adaptation of the forms

The following GS1 Datamatrix and GS1 Code 128 were generated with our barcode generator:

**Input value: (01)123456789(10)12345697(17)190131**



Based on our experience and knowledge from numerous SAP development projects we are able to find and implement the optimal solution for your company. and to implement it. For this the knowledge about the numerous technical possibilities in and around SAP are indispensable.

The following GS1 Datamatrix and GS1 Code 128 were generated with our barcode generator:



The screenshot shows a software window titled "Barcode Generator". It features a toolbar with various icons for file operations and a settings table. The table contains the following parameters:

Barcode Parameter	
Barcode Typ	DM_GS1
GTIN (14 Stellen)	12345678901231
Chargennummer	BAICH123
Serialnummer	SERNR123
Verfalls- / Haltbarkeitsdatum	09.02.2018
Herstelldatum	18.03.2016
Barcode Grösse (1-9)	1

Below the table, a square Datamatrix barcode is displayed, which encodes the provided parameters.

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### Forms development with SAP

Forms are indispensable for any business. Without them, communication with customers or clients is not possible. The necessary attention is not always given to the development of forms in an ERP system at the beginning of a new implementation. The knowledge and experience in the implementation of a consultant and a developer make a significant part in ensuring that the customer gets what he requires. Our competent staff will assist you in planning, integrating and developing the forms for your company. Thereby it does not matter for Europe IT Services AG whether you use Sapscrip, Smartforms or Adobe Forms.

### SAP Interactive Forms by Adobe

SAP Interactive Forms from Adobe is the latest forms technology from SAP. It was launched on the market in 2005. More and more SAP customers are turning to this future-oriented forms technology, displacing existing forms technologies such as SapScript and SmartForms. There are already more than 2,500 Adobe forms in SAP ECC 6.0 EHP4, which are delivered by SAP.

We will be pleased to support you in form development with Adobe LiveCycle Designer in order to achieve the best possible results in forms printing. You will benefit from experienced form developers who have been working with this new technology since 2007.

### We can support you in the following areas:



#### **Adobe Forms development of standard print forms**

- Development of interactive Adobe Forms
- Development of embedded Adobe Forms in Webdynpro applications
- Development of interactive offline Adobe Forms
- Development of labels for ZEBRA or other label printers



#### **Configuration / printing strategy**

- Selection of the right ADS (Adobe Document Service) version for your SAP
- Configuration and connection of the ADS to the existing SAP instances
- Implementation of a central Adobe Forms printing strategy

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The new form technology Adobe Forms is able to handle a lot of barcode types by default. Unfortunately, the possibility to generate a GS1 Datamatrix is still missing. With our tool this is no longer a problem.

### GS1 barcode generator for SAP ECC 6.0

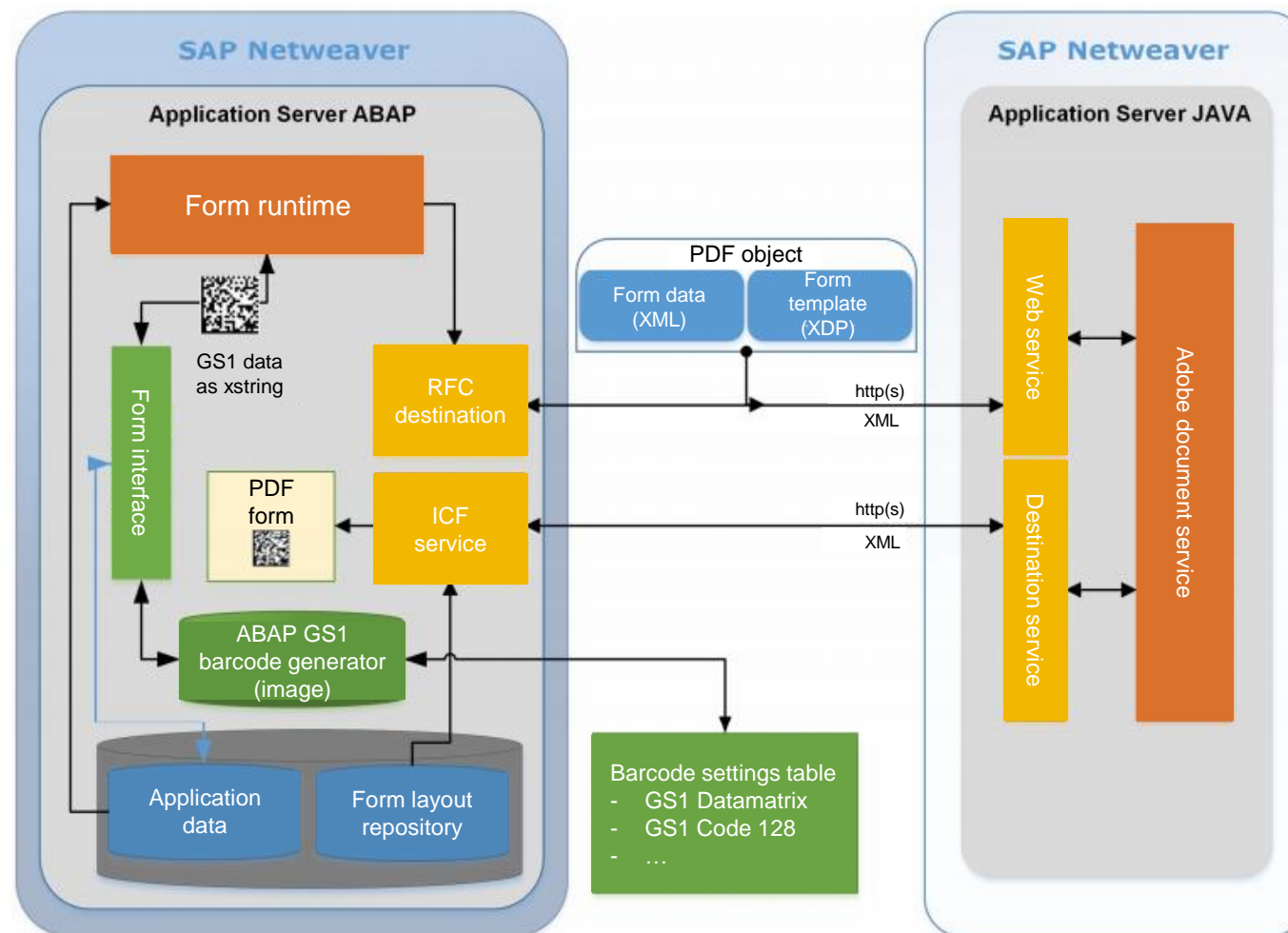
#### Applicable with:

- Adobe Live Cycle Designer
- SmartForms
- Sapscrip

Our GS1 Barcode Tool was completely programmed in ABAP and can be called dynamically during the form processing.

In addition, it offers the advantage that when a form is sent by E-mail, the GS1 barcode is already embedded in the form. Many solutions from competitors generate the barcode only after it is output via the print server. However, this is only the case if the form is physically printed on paper. So there is nothing to prevent you from generating a 2D barcode in SAP according to the GS1 standard. The FNC1 and GS identifier can be integrated and displayed by the form developer in the form without any problems.

We offer this solution as a consulting solution.





# Thank you for your attention!

## Do you have questions?



# Contact & Support

## General Information & Support

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