Managing e-Standards and Interfaces with GEFEG Solutions

Introduction

for the Maritime Sector

GEFEG - Supporting Electronic Data Interchange 1990 - today - tomorrow

Providing smart and innovative solutions
for eCommunity meta data management

Actively involved in national and international
eBusiness & eGovernment standardisation
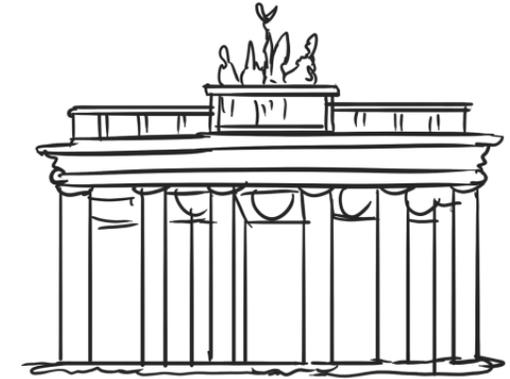
Global reach
35 countries

500+ Customers
Globally

Based in
Berlin Germany

Business
Founded in 1990

Private
Ownership

GEFEG

GEFEG Software and Technologies in Use by Major Players

WCO for WCO Data Model

UN/CEFACT for Production of Core Component Library and XML schema, and QA for EDIFACT directories

GS1 for production of GS1 EANCOM®

AEB, DAKOSY, Kewill, SAP, Seeburger

IATA, FIATA, UN/ECE Transport Division (eTIR)

CEN/BII for development and publication of European supply chain standards

… as well as about 500 customers in 35 countries

SWIFT for the Standard Developer Kit (SDK)

BMW, COOP, Deutsche Post, DHL, Euroclear, Odette, Schenker, Siemens, SIX Group, Philips, Toshiba, UNECE, VDA, Volkswagen

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GEFEG – Standards Experts

Data Models

ISO 20022, Core Components Library, Multi Modal Transport Reference Data Model, Supply Chain Reference Data Model, WCO Data Model, EN 16931 eInvoice, corporate data models, …

EDIFACT, EDI@Energy, EDIFOR, GS1 EANCOM®, Odette, SAP IDoc , VDA, ASC X12, corporate standards, …

EDI Standards

XML

GS1 XML, ISO 20022.MX, OAGIS, RosettaNet, UBL, xCBL, corporate XML, any XSD …

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The GEFEG.FX User Community (Selection)

Automotive
Audi, BMW, Brose, Continental, Ford, Goodyear Dunlop, Hella, Michelin, Odette, Scania, SKF, Volkswagen, VDA, Volvo, ZF, …

Consumer Goods
Dr. Oetker, Harry-Brot, Henkel, Hugo Boss, Lindt, Merck, Milch Union Hocheifel, Nestlé, Storck, Stihl, Triumph, …

Information Technology
AEB, Axway, CAS, E2open, IBM, Filiadata, Freudenberg IT, SAP, Mercoline, Rhetarus, Seeburger, Software AG, T-Systems, …

Finance & Insurance
Aareal, BSK (Norway), Euroclear, Deutsche Bundesbank, Equens, EPC, Fides, KfW, Nordea, UK Payments, SCFS, SIX, STUZZA, SWIFT, T2S, UBS, …

Retail / Wholesale
GS1 (CH, DE, FR, NL, ES, …), Carrefour, COOP, Kaufland, Media Markt, Metro, Migros, Otto, TractorSupply, …

Public Sector
Customs (DE, CA, NL, NZ, …), BMI, DCMA (U.S.), Svenska Kommunförbundet, UN/CEFACT, WCO, X12, Zivit, …

Electronics
AMP, Bosch, EDIFICE, Fujitsu, Hitachi, Hewlett Packard, Infineon, Philips, Sharp, Texas Instruments, Toshiba, …

Logistics & Transport
Dachser, Dakosy, Deutsche Post, DHL, Exel, FIATA, IATA, Kühne + Nagel, Norgren, Rhenus, Schenker, TNT, …

Other Industries
Airbus, Alfa Laval, BASF, Bayer, Benteler, Boeing, E.ON, John Deere, Georg Fischer, RWE, Siemens, Vattenfall, Velux, Würth, …

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Business Interface Management - Metadata Supply Chain

GEFEG.FX

Business Interface Management for the complete lifecycle
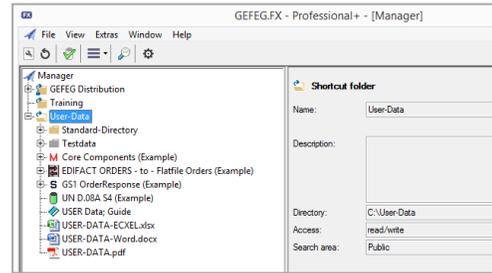
GEFEG.Portal

Web solution for collaboration, cam-paigning, publishing and validation via web with 365/24/7 availability, if wished behind firewall
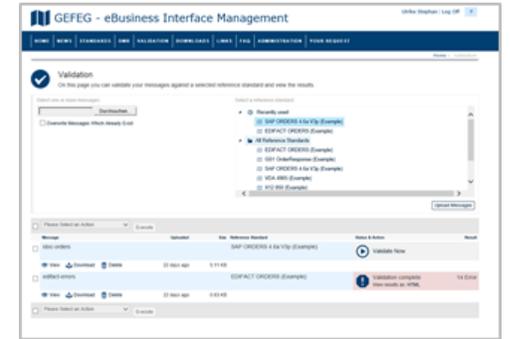
GEFEG.Content

Business standards and interfaces, such as UN/CEFACT XML, UN/EDIFACT, GS1 EANCOM®, X12, ISO20022, WCO Data Model, VDA, and more
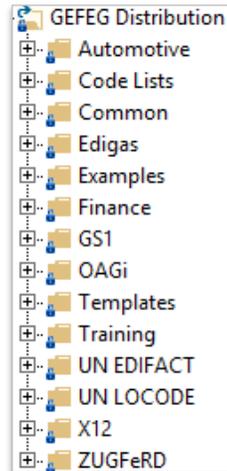
GEFEG.Services

Business consulting, concepts, extended user support, training, workshops

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GEFEG.FX Benefits

Efficiency and quality gains

through the use of single source principle, by reducing manual documentation and maintenance work and fast and easy testing

Minimizing data redundancy & maximizing compliance

by reuse of data and guide technology concept for specifications

Collaboration of project teams, business partners and communities

by using central repository and version control features

Minimizing update and migration efforts

for updates and new releases thanks to document comparison features and guide technology concept

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Design Time Portal

- Quality Assurance - ensure zero errors before production phase

- Web-based compliance checking of EDI and XML Messages

- Publication of message specifi-cations and other related data

- Benefits for senders and receivers contributing to a positive relationship between Customs Agencies, Governmental Agencies and the private sector

Easy 5-Step Message Compliance Check

Validate Messages

1. Select Message
2. Select Standard
3. Upload Message
4. Validate Message
5. View/Save Check Results

Add-ons

6. Browse MIG

Enhanced Validation with Business Rules

Syntax Validation: XML Schema /EDIFACT

- Check for Compliance of XML Instance against XML Specification

- Check for Compliance of EDIFACT message against EDIFACT Specification

Semantics Validation: Business Rules

- Status of an object (Required, Optional, Repetition etc.)
- Formats of dates, identification numbers etc.
- Dependencies between objects (if-then rules)
- Custom code values and code list refinements

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GEFEG Message Design Portal
Collaboration – Publication - Validation

SEPA Design Time Portal

Update registration data   Log off   Help

| News | Publication | CRs | Workspace | Validation | Tasks | Admin |

Aktuelles

06/2013

- **DK Schemata Ver**
  Die Schemata der
- **Korrektur EPC Sc**
  Die EPC-Schemata

12/2012

- **EPC Schemata ve**
  Das Validation.Port
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News	Communicate with the Portal's user community by providing a News section.
Publication	Study and download specifications, schema files and other deliverables in this section.
CRs	Enter Change Requests, follow-up and view the most recent status.
Workspace	See the editable artefacts which are the source for the deliverables in Publication and Validation, provided you have editing rights.
Validation	Upload instance files to validate against specifications.
Tasks	Organize the internal work of users, provided you have editing rights (optional).
Admin	Configure the Portal in this section, if you are the administrator.

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Examples of Publicly Available Portals
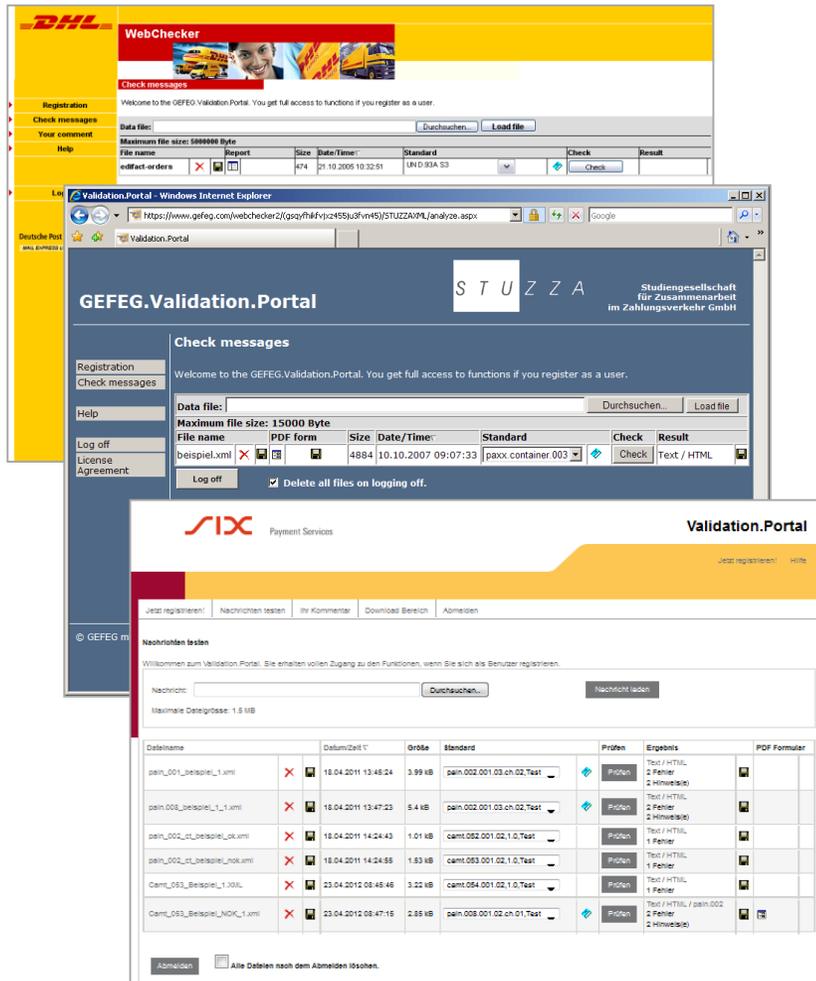
- [DHL Web Checker](#)

- [STUZZA Validation.Portal](#)
  (SEPA Austria)

- [SIX Payment Services](#)

Other portals, used by infrastructure providers, for trading partner on-boarding and versions roll-out, are not public.

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GEFEG.Portal Benefits

Quality assurance

by providing a self-service onboarding service for business partners, suppliers or eCommunity members

Increased interoperability and compliance

by providing a managed service with the original data and supported by reference documentation

Higher user satisfaction

by providing a permanently available compliance service (24/7) without investments in training, soft- or hardware

Speeding time to market of implementations

By accelerating error search, improving error evaluation and thus facilitating errorless messages

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**Thanks for
your attention.**

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