Product Master Data effectively managed

We love
Master Data!

With the increasing digitization of business it becomes imperative to provide up-to-date and high quality product master data for customers and suppliers.

Systrion offers with synfoxx®/p a comprehensive solution not only for the organisation of product master data, but also for the improvement and monitoring of the data quality. As it is offered in an SaaS model, the solution can be used right away without the need to implement another dedicated IT infrastructure.

We also consult manufacturers and retailers from a wide range of industries during the implementation and operation of master data management processes, in the improvement of data quality as well as the data exchange with their business partners.

Solution Partner
Systrion AG

As partner of the GS1 organisation and the globally active datapool provider 1WorldSync, we cooperate with them in professional groups and in consequence are always informed about the latest developments.
You are thus receiving a certified software for the international data exchange with your business partners.

synfoxx®/p 4.0

synfoxx®/p fully represents and monitors your master data processes. Your data is continuously checked for validity and always available for your users and business partners. synfoxx®/p offers numerous features that let you manage and exchange your product master data across your company.

Basic Functionality

Central Master Data Repository
In the central Master Data Repository with its clearly defined access rights, there exists only one true **Product Data Master (»Single Point of Truth«).**

Configurable Data Checks
With the help of configurable data checks you can control your data quality at any time.

Essential Reporting
The essential reporting functions give you a clear overview over the **quality of your master data** through reports, dashboards and email distribution lists.
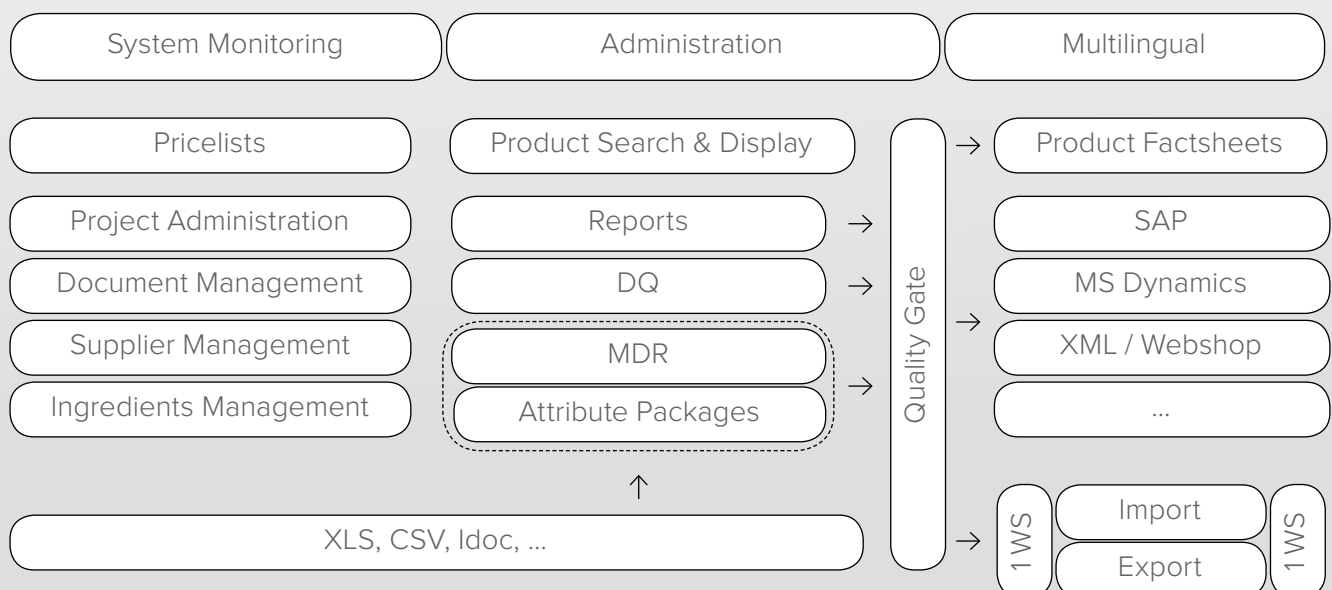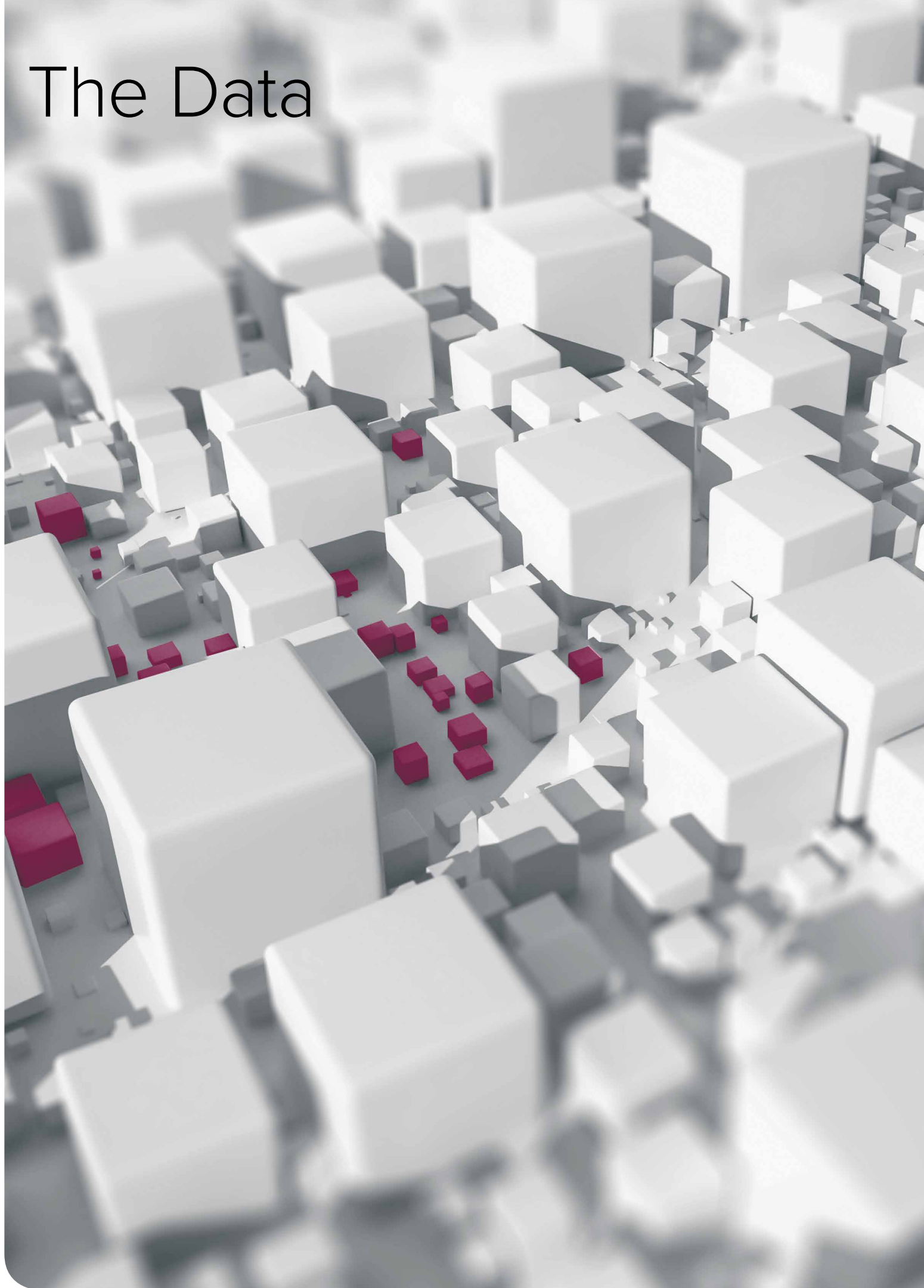
GDSN® Connection
synfoxx®/p offers a certified interface to the largest data pool worldwide for the exchange of product master data between suppliers and customers. As a partner of GS1, 1WorldSync and the EHI we actively contribute to the optimization of the GDSN®.

synfoxx®/p Modules

System Monitoring	Administration	Multilingual

Pricelists	Product Search & Display		Product Factsheets
Project Administration	Reports	→	SAP
Document Management	DQ	→	MS Dynamics
Supplier Management	MDR	Quality Gate →	XML / Webshop
Ingredients Management	Attribute Packages	→	...

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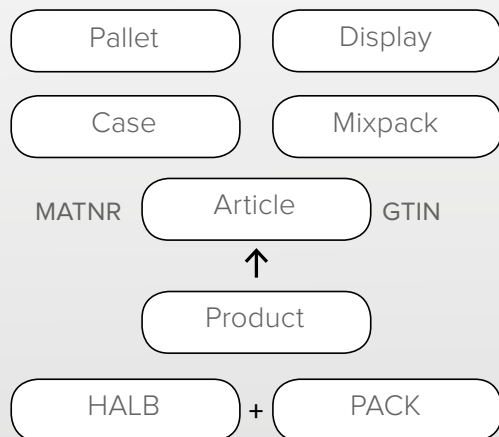| XLS, CSV, Idoc, ... | | 1WS | Import / Export | 1WS |

The Data

synfoxx®/p offers you a comprehensive data model containing several hundred attributes already in the basic module. It comprises structured attributes from logistics, sales, quality management and customs. Unstructured information from documents can be handled using the media asset module, where you can complement pictures, certificates and other files with your own meta data.

Data Exchange with Business Partners
To facilitate the data exchange with your business partners and with other systems, the data model was created under consideration of

› the GDSN®/1WorldSync data model
› the SAP® data model (SAP-MM)

Manage Different Material Types
During the product life cycle you can start collecting master data right from the first idea for a new product.

synfoxx®/p not only manages finished goods but also other material types like semi-finished goods and packaging material.

Associated Supplier Data
Often, supplier related data needs to be stored together with the respective trade item data, e.g. whether a supplier is bio-certified.

synfoxx®/p lets you manage the most important supplier information like address, contact person and relevant certificates.
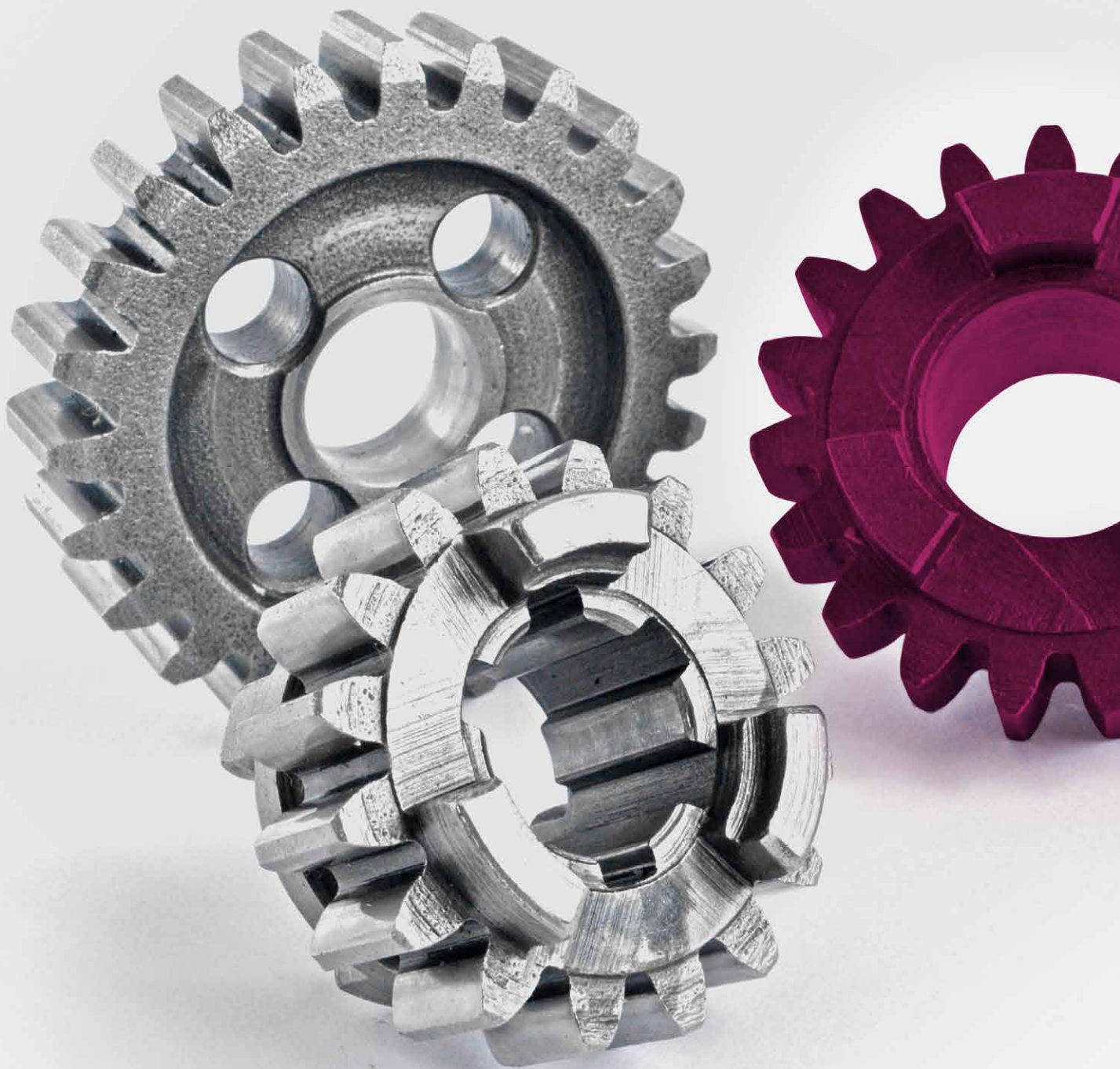

Custom Attributes and Classifications
You can extend the **data model with custom attributes and document classes,** so that your company-specific data can be managed and distributed.

Plain and complex Product Structures
synfoxx®/p handles the standard multilevel product structures as they are used in logistics (base unit, case, pallet) as well as sales-BOMs (displays) and custom structures.

»Single Point of Truth«
synfoxx®/p can easily be used as the leading system to implement a central **»Single Point of Truth« (SPoT)**. Other systems like **ERP, CRM** or **Webshops** can thus be conveniently provided with consistent master data.

Data Maintenance

Intuitive User Interface for Comprehensive, Fast and Easy Handling

Product master data can be entered, collected and maintained in synfoxx®/p as a »Single Point of Truth«. This comprises the maintenance of attributes, hierarchies and media data in an intuitively usable GUI. A »four-eye principle« can be configured for mandatory approval by a second person before any changes to data are committed.

Standard Attributes

synfoxx®/p offers already in the basic version several hundred attributes corresponding to GS1 standards, including of course the respective code lists.

Media assets like pictures, certificates and other files can be classified and managed together with their resprective meta data.
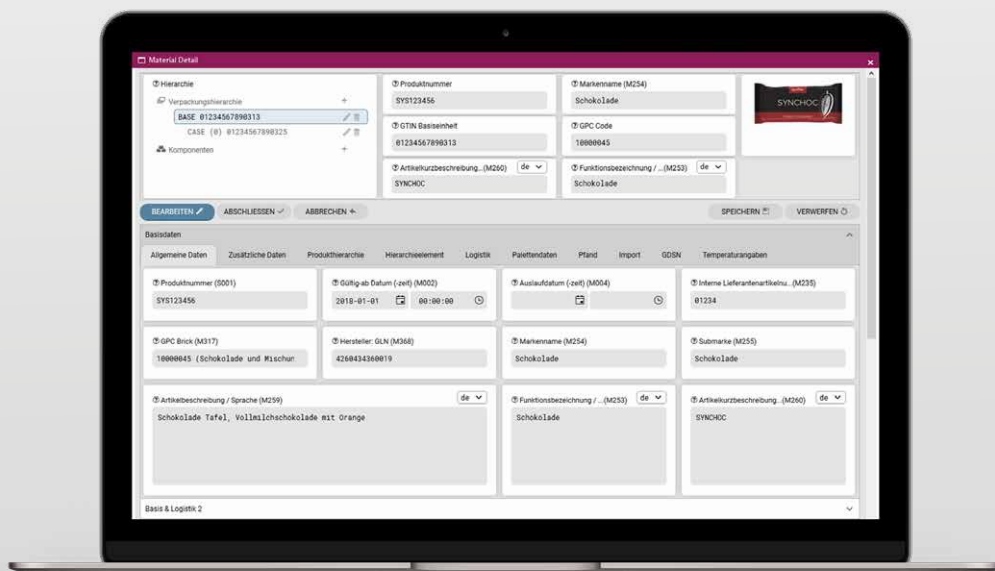
Logging and Versioning

All changes are recorded in a log for traceability, which is mandatory for example for IFS certification.

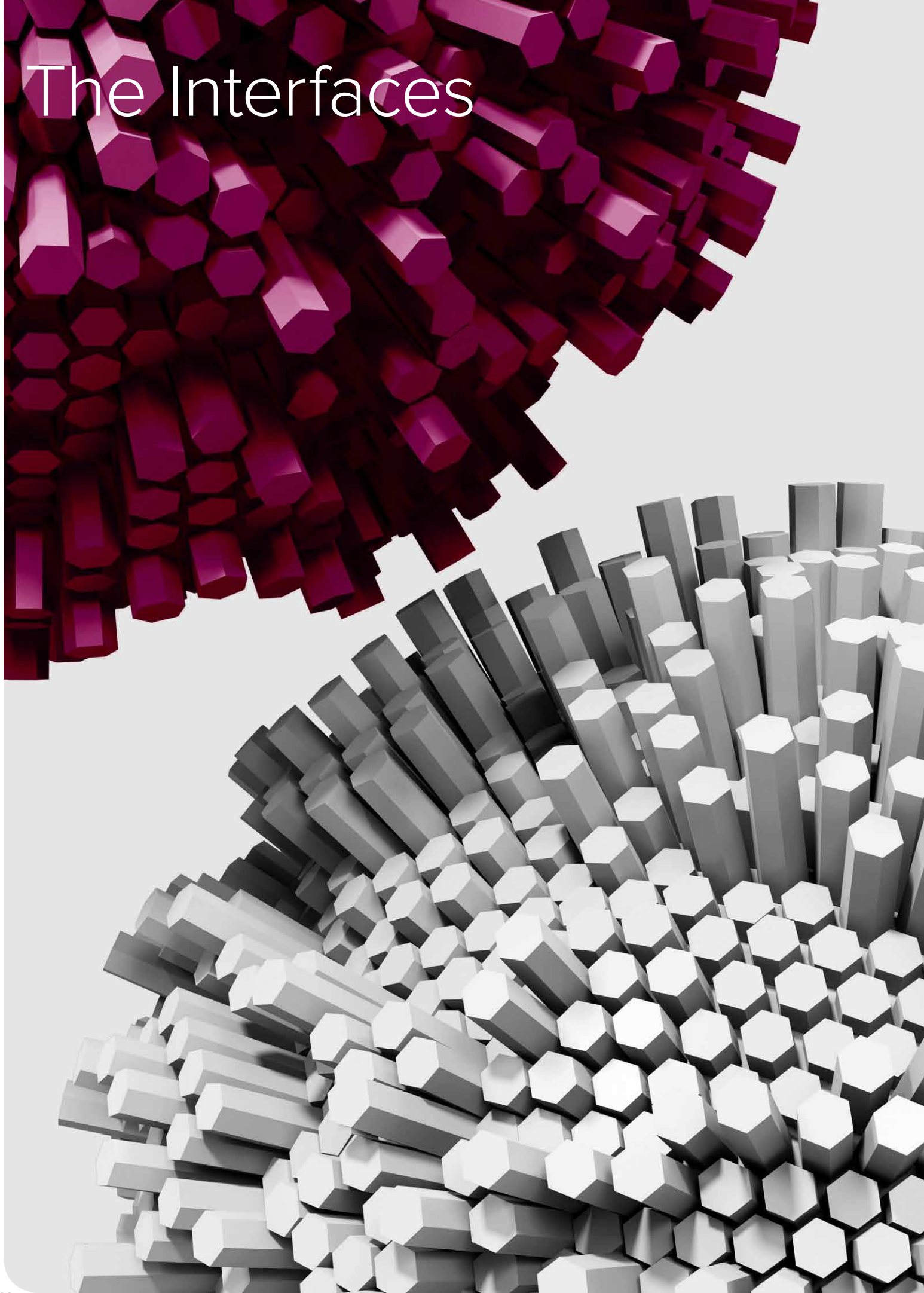Whenever changes to data are saved, a new version of the product master data is created, which can be given a unique name.

Extension with Custom Attributes

Optional individual attributes can be configured into synfoxx®/p.

»Four-Eye Principle«

It is possible to configure a »four-eye principle«, to make the approval by a second person mandatory prior to any committment of changes to data.

The Interfaces

A reliable master data exchange is essential for smoothly functioning business processes, as well within your own company as with business partners like customers and suppliers. With its integrated middleware, synfoxx®/p provides all prevalent interface formats and can be customized easily to match any specific requirements.

Verified Data

As the leading system or **»Single Point of Truth«** for product master data, synfoxx®/p can

› provide ERP systems like SAP® with reliable data via standard formats like IDocs
› connect other systemes via formats like CSV, XLSX or XML files

Extensive Document Management

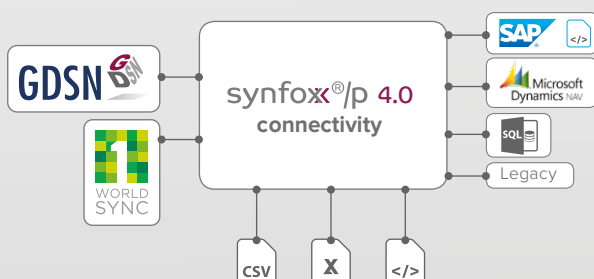synfoxx®/p manages documents and files like pictures, certificates and videos.

› New or modified product data can be transmitted automatically, e.g. towards a webshop
› Documents can be enhanced with meta data (e.g. validity period)

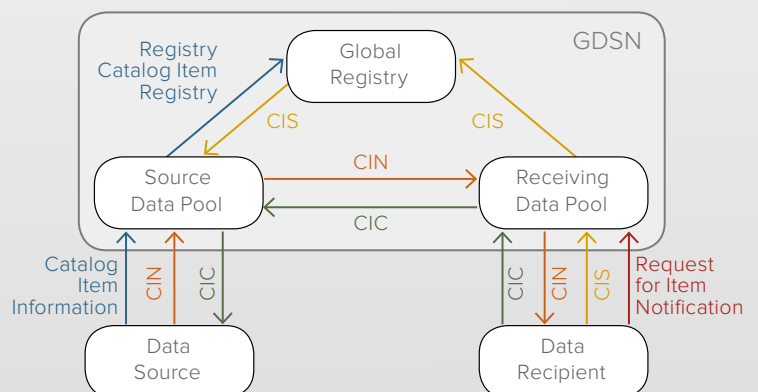### Certified Interface for Data Exchange

As a partner of GS1 and 1WorldSync, we offer a certified interface for the access to the GDSN® data pool, which can be used either to import product data from the pool or to publish data into the pool.

GDSN® Connection and Product Factsheets

› Product data can be published to different target markets within the GDSN® network
› Data can be sent **»non-public«** to specific recipients/retailers
› For customers not connected to the GDSN® network, template based product factsheets can be created instantaneously
› This can be done using custom templates

synfoxx®/p connectivity is the basis for the exchange of several data formats.

CIC Messages

So-called CIC messages can be sent and received via the interface for the exchange of error messages.

The Quality

Accurate product master data is important for your internal processes and your business partners alike. synfoxx®/p with its integrated data check engine helps you achieve the best data quality possible. You can create any kind and number of data checks, order them in classses, configure, change or extend them at any time.

Data Checks with multiple Effects

Comprehensive Monitoring

Data checks help to continuously monitor the master data:

› Reports show the current data quality as well as changes over time (trend analysis), to support continuous improvement processes
› During product searches, any mistakes or inconsistencies detected by data checks will be displayed in the result list.

Configurable »Quality Gate«

To prevent inaccurate product data from contaminating other systems or from being distributed to your business partners, you can:

› configure a »quality gate« and the respective data checks for the data output channels
› make sure that only product data verified by these data checks can pass this »quality gate«.

Maintainable and Coherent Rules

In order to keep the rules for the data checks understandable and permanently maintainable, you can:

› Define exceptions, e.g. for custom products or test materials, in order to keep the underlying general rule from becoming overly complex.
› Review these exceptions for controlling purposes, to make sure exceptions do not become the norm

Individual Quality Criteria

Data structures, processes and quality requirements are different in each company. Therefor synfoxx®/p allows to:

› Configure data checks individually and assign specific weights to them for custom KPIs
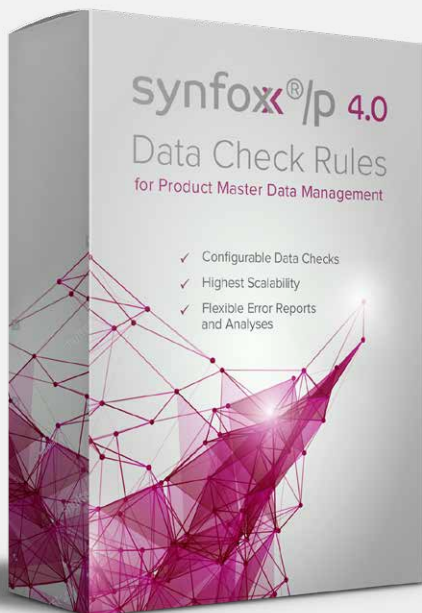› Configure reports on data quality by product group, supplier or other criteria.

Data check report in synfoxx®/p

DQ Packages

Systrion offers pre-configured data quality packages for synfoxx®/p, enabling you to quickly check and improve the quality of your product master data. They contain bundles of data checks for specific focus areas, as well as the corresponding comprehensive reports.

Data Quality in Packaged Format

GS1 Package

GS1 Germany has defined more than 100 rules, which are published in the so-called "application recommendation for the assurance of data quality within the German GDSN target market". By using these rules that are implemented in the GS1 package for synfoxx®/p, errors in the product master data can be detected and corrected *before* the data gets published to 1WorldSync.

Other Packages

Additonally, the following packages are available: Logistics, Food, Non-Food, Dangerous Goods/ Hazardous Materials, Technology. Further packages are continuously being added.

You have questions regarding our offering? We are glad to answer!

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Systrion AG spezializes in master data and data quality management. Our customers use our cloud solutions synfoxx® und fuzzit® to ensure the availability of high quality master data along their whole supply chain. Systrion has long lasting experience in the foods, consumer goods and technical industry.

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