



Material Data Communication & Material Compliance assessment

DataCross

The name DataCross refers to the crossing of data communication with compliance assessment. Requirements of relevance for product liability can be implemented from the development stage via the procurement and production through to the use and processing. These facts putting companies in a position where they can guarantee the conformity of their products with applicable laws and customer requirements while minimizing their own business-related and personal risks.

Compliance und Communication System

Regulations: cadastre of more than 20 sets of rules that have been evaluated in a material-specific manner. New customer-specific regulatory requirements can also be integrated quickly.

REACH, RoHS, Conflict Minerals, EUTR, ELV, BPC, IHM (Hong-Kong-Convention), PROP 65, POP-Convention, Drinking water, Batteries, Packaging, Dual-Use and Company standards...

Cockpit: user and management cockpits ensure communication and system transparency. It will be possible to evaluate risks, to start measures and to monitor the results.

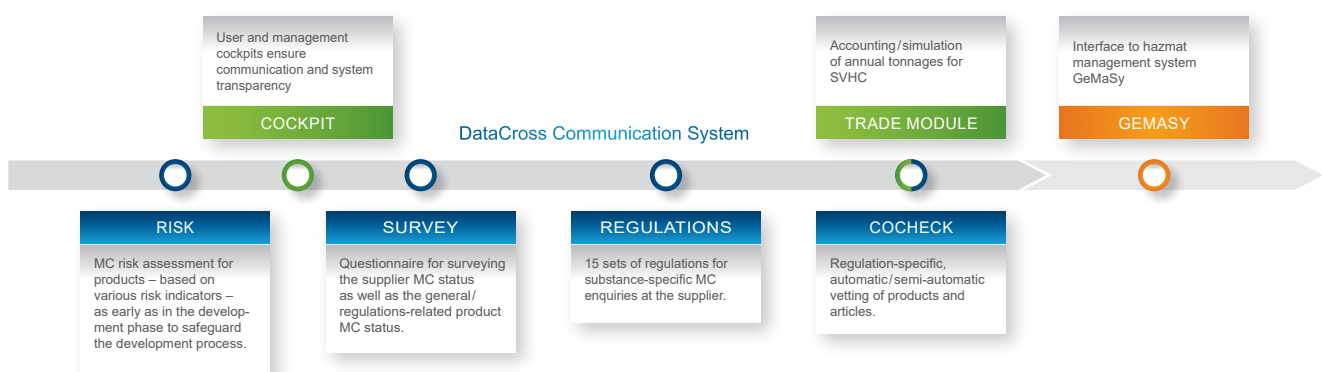
Risk assessment: based on various risk indicators and statistics in the early development phase to safeguard the development process.

Survey: the customizable questionnaire module enables the material compliance-related trustworthiness of a supplier and/or general product information to be scrutinized at various levels of detail. It thus provides valuable information for assessing the material compliance risk of the real-life supplier or supplier product, and serves as a first indicator for assessing the actual product risk.

Communication System: the sensitive supplier relationship management system permits suppliers to be addressed in a targeted manner based on the knowledge gained from the risk assessment or questionnaire.

Trade module: is focussed on the trade with and import of substances regulated by REACH (SVHC candidate substances). Imported quantities need to be accounted for or simulated here so that possible registration requirements can be estimated.

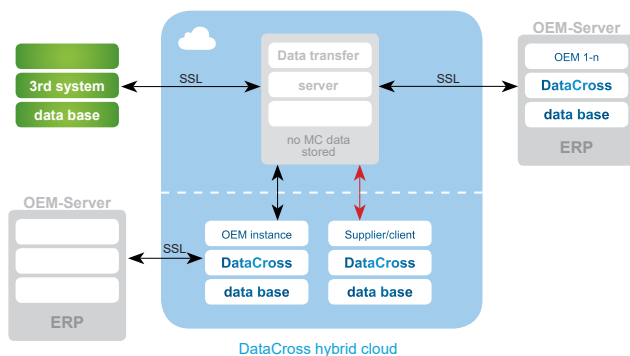
CoCheck: (semi-) automatic review of products or supplier articles that helps to save human resources and thereby contributes to improving the system's cost effectiveness.



- ▶ Product compliance with laws & customer requirements
- ▶ Evaluation of supplier's trustworthiness
- ▶ Implementing DIN EN 50581/IEC63000
- ▶ Quantifying & qualifying substances risks
- ▶ Reducing business and personal risks

DataCross Software

DataCross is based on the established tec4U Solutions GmbH software tools MDS.web and CoChecker, thus combining a fully developed data communication software with a tried-and-tested data checking tool. DataCross places the highest demands on system functionality and data security. It will be possible in future, for example, to choose between storing the product information in a cloud or rather processing it on own servers in the DataCross in-house system.



- ▶ Reduced data entry effort – no data publication, data forwarding, supplier chain mapping
- ▶ Optional: No material data are stored in the data transfer server, DataCross is possible as an in-house system
- ▶ Optional: System interfaces / data exchange formats to other MD communication systems are possible

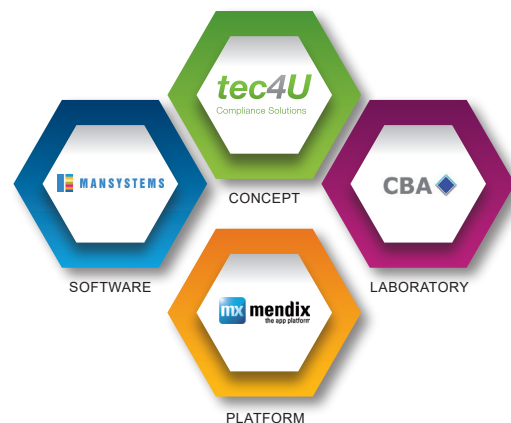
DataCross Research partners

Mansystems Deutschland GmbH is an independent solution and IT service provider that has been specializing in process automation and service management solutions for over 20 years. Mansystems uses the Mendix platform, amongst others, as a visual and cloud-based development environ-

ment – a platform that DataCross will also be based on in future.

That the “cloud” system at a European location can be regarded as a safe application nowadays is demonstrated by Mendix's references, which include many bank and insurance applications. The security standards in question will also be available for DataCross. An additional benefit for the security aspect is provided by the strict segregation between application and data base, and the customer-specific instances in combination with a far-reaching authorization system.

This partnership is flanked by the SiCoCheC project, funded by the Federal Ministry of Education and Research. Besides tec4U-Solutions and Mansystems, the project partners also include the German Research Centre for Artificial Intelligence (DFKI) and CBA GmbH, a laboratory for chemical product consultancy and analysis. The DFKI is most of all contributing cutting-edge research contents to the software, while CBA provides comprehensive knowledge about materials.



Your contact partner **Stefan Nieser** will be pleased to help you with any questions on the subjects of DataCross.

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