



CDX Compliance Data eXchange

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Welcome to the CDX Webinar

Management of Material Data in the Supply Chain

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This webinar introduce you to CDX (Compliance Data eXchange) and show you, how your company can benefit from a centralized and standardized material data reporting system with the collection, maintenance and analysis of material data across all levels of your supply chain. In a live CDX demonstration we will cover basic functions of CDX, the new „ Import IMDS MDS “ functionality and the handling of substances related to various regulations.

CDX can assist your company in meeting their compliance obligations with minimum time and effort and maximum return.

Agenda

1. CDX – Basics and Principles
2. CDX Life Demo

Workflow Management

- Import and Export => Import IMDS MDS
- Reference own MDS to MDS
- Create a new MDS
- Request MDS from your suppliers (onboarding)

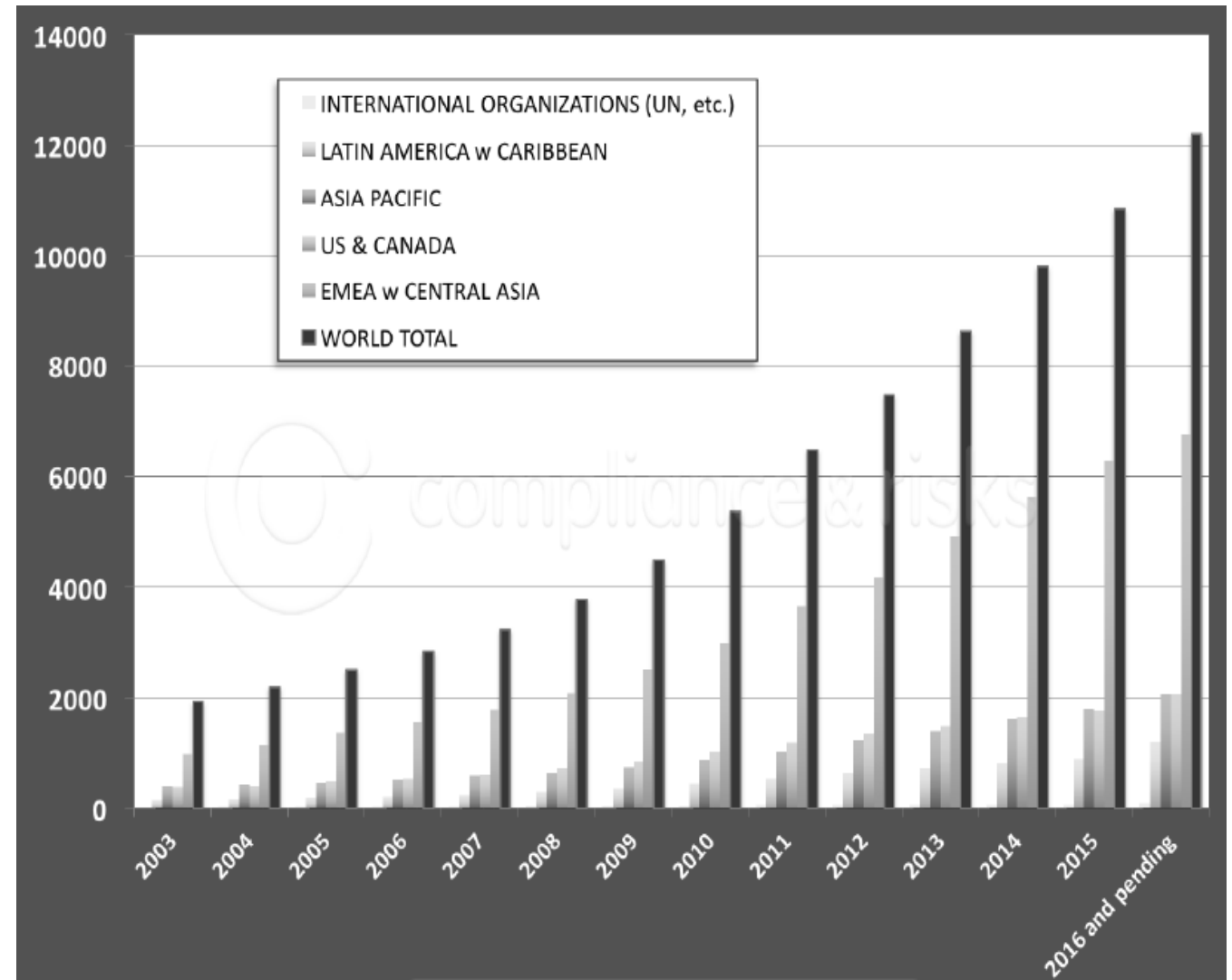
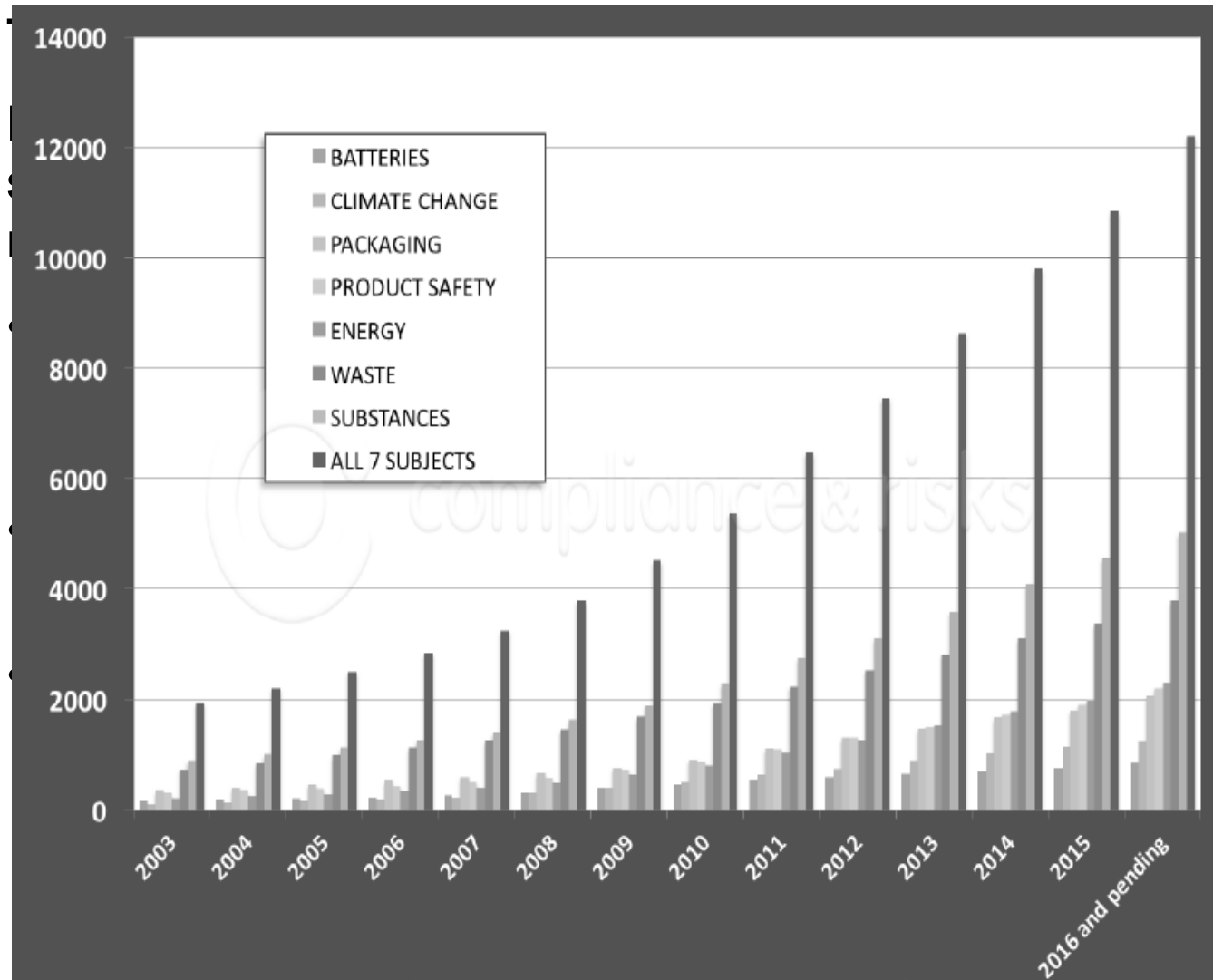
Rules and Analysis

- MDS BOM and regulatory information
- Where-used Analysis of MDS

3. Q&A

New Regulations

By Region and Year



Quelle: compliance & risks

Typical Challenges today

Where are suspicious materials contained in products?

To what **amount**?

When do **new rules & regulations** apply my products and how to prepare?

Will I be able to swiftly and reliably react to **new customer requirements**?

Will I be able to reliably and competitively manage the **risk associated** to the use of materials?

Can I support the creation of a **green image** and the required transparency in data and products?

Are my **Excel-based** material processes and data efficient and reliable?

Are there **Conflict Minerals** and where do they originate from?

CDX Functionalities

Workflow Management

- Inbox & Outbox for MDS, CMD, Request
 - Dashboards
 - Full- and Part Declaration, One Level
 - e-Mail-process for MDS and CMD requests (extern), onboarding
 - Attachments (material safety data sheets, certifications)
- Web Services for Integration

Conflict Minerals Reporting

- CMRT-Template Version 5.0
- Creation, distribution, management and reception of CMDs
- Management of smelter information
- Quality report for all Conflict Minerals Declarations
- Graphic representation of quality metrics and statistics
- Deficiency Report

Rules and Analysis

- RoHS (full support of exemptions)
- REACH (5OA)
- CMD
- ELV / GADSL
- Company specific substance lists
- Where-Used analysis
- In depth analysis
- Industry-specific functions, e.g. MD-Report, SDoC

Chemical & Material Management

- More than 10.000 standard metals, compositions and norms. Overall ~19.000 standard materials
- Wealth of CAS-numbered and additional substances

Material Datasheet Management

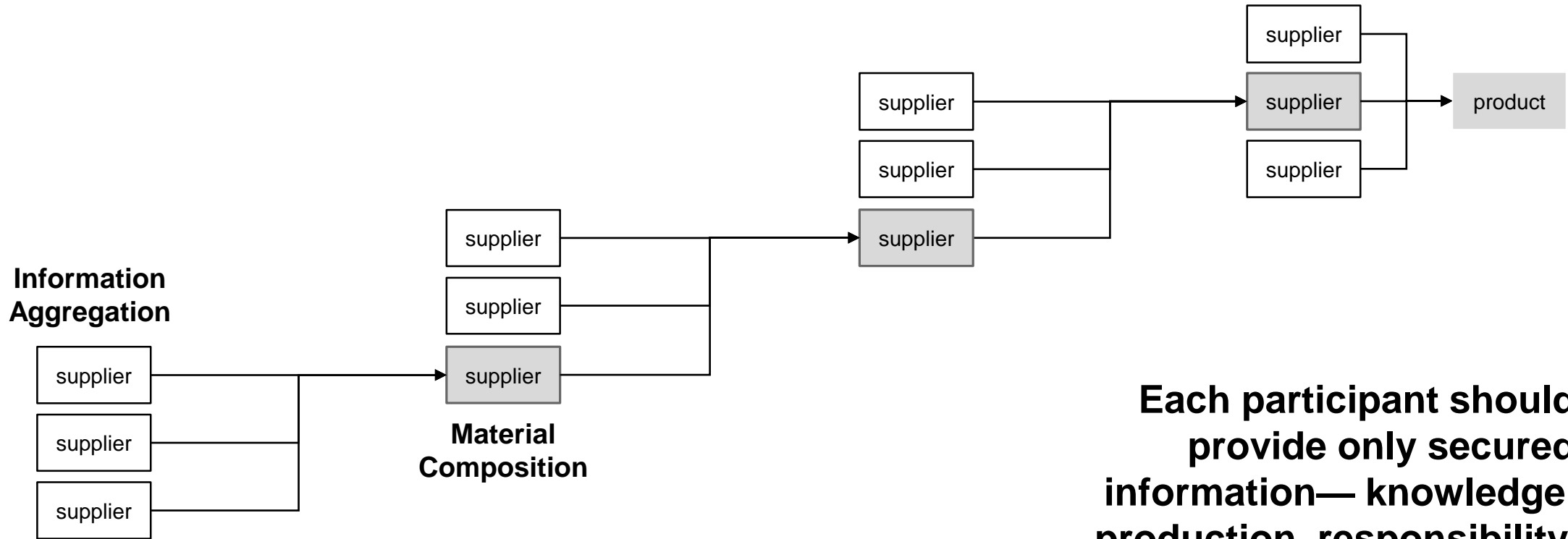
- Creation, distribution and reception of MDSs
- Data analysis and reporting
- MDS Update Functionality

Sourcing of Compliance Data

One Process for the complete value chain



Each producer requests information with his suppliers until relevant material/ substance information can be reliably disclosed—a decision of risk & liability

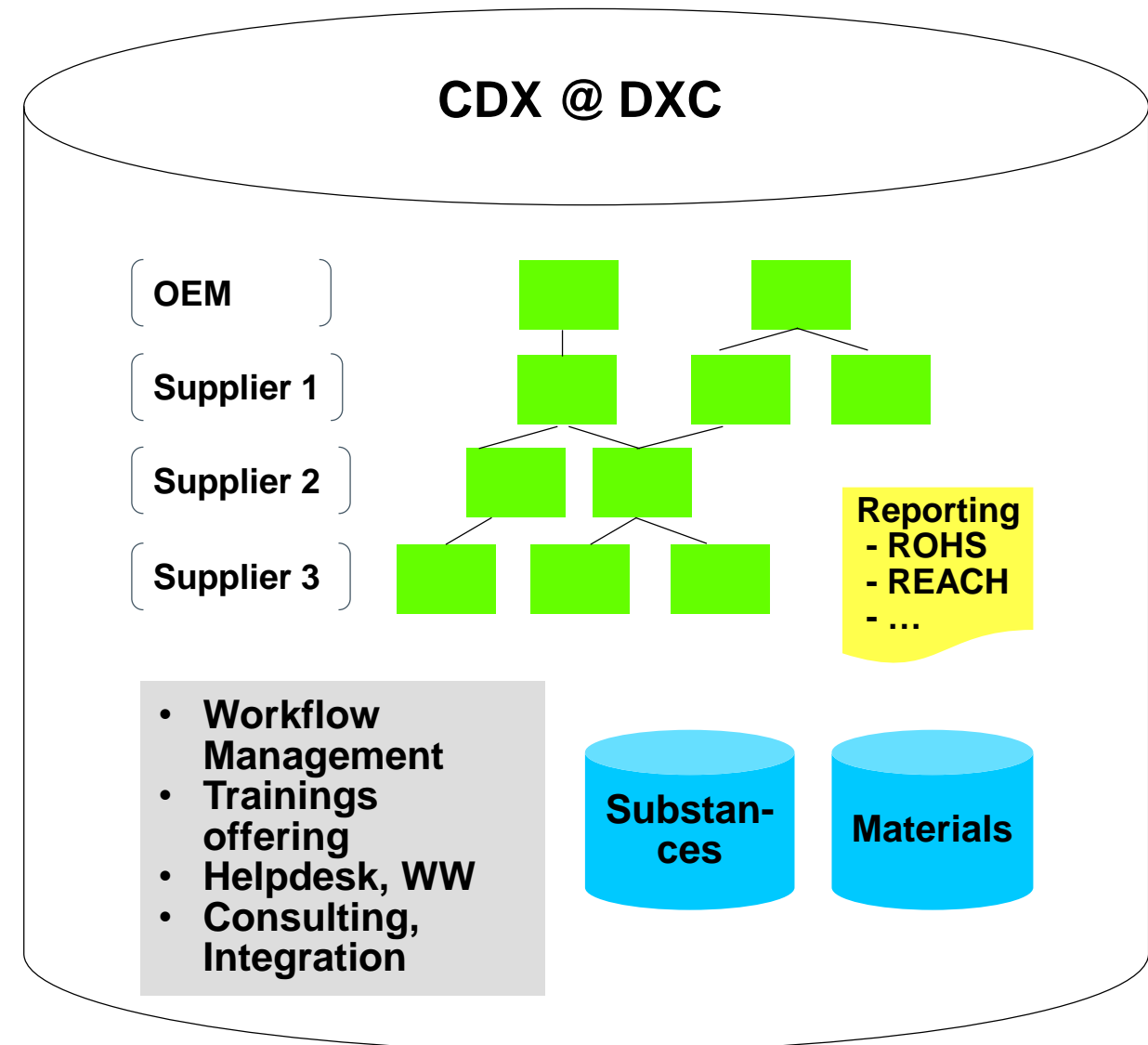


Each participant should provide only secured information— knowledge, production, responsibility.



CDX Approach

- Centralized database & application
- Shared master data (substances, standard materials, etc.)
- Web access / optional interfaces
- Workflow management
- WW support (helpdesk, training, consulting)
- Centralized services (backup / recovery, updates)
- Rule based reporting (ROHS, REACH, ...)
- System availability: 24 x 7 in 8 languages



IMDS versus CDX

- Aligned to the automotive industry (ELV, RRR)
- Fixed Rules (e.g. structure, 100% disclosure, etc.)
- Provided by automobile manufacturers exclusively for their supply chains
- Financed by the contributions of the members
- Decision-making authority at the IMDS Steering Committee
- Worldwide realized and tested processes
- Data exchange with internal systems via IMDS-AI
- Based on IMDS' long-standing experience
- Open for various manufacturing industries
- Large selection of substances and standard materials, full/partial declaration
- Provides functionality to REACH (XIV, XVII), RoHS, IEC 62474, Conflict Minerals, Battery, Packaging, ELV, GADSL, HKK,...
- Company specific substance lists
- Conflict Mineral Reporting Manager
- Workflow Management, Request function (Email)
- Webservices for data exchange with other systems

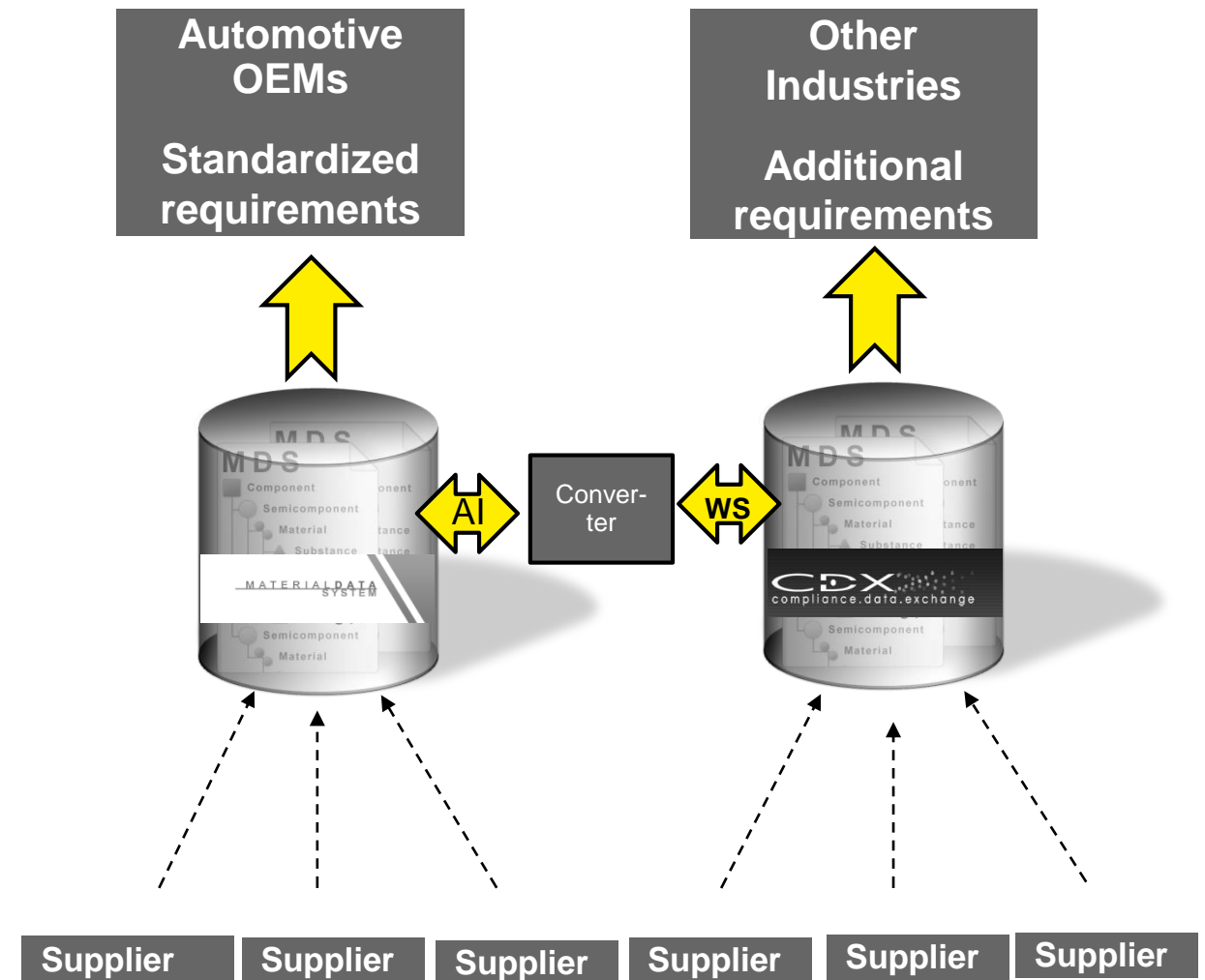
IMDS / CDX – Data Exchange

Data use agreement in place

- based on AI license contract
- in line with IMDS' Terms of Use' (ToU)

IMDS/CDX data exchange solution based on IMDS-AI interface

- MDS transfer to CDX – one way
- Mapping of attributes
- Modify mode in CDX
- Conversion protocol to manage versioning and traceability.



Thank You.

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