

The Future of Integration 2025

Integration as the Key to Real-Time Data Value



Presented by Siemens & Rojo



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CONFLUENT

SIEMENS

Igniting business
greatness in
every integration

Agenda

- Product Master Data Streaming
 - First Streaming integration
 - Usecase enabler
 - Data Mesh & Data Products
- Monitoring

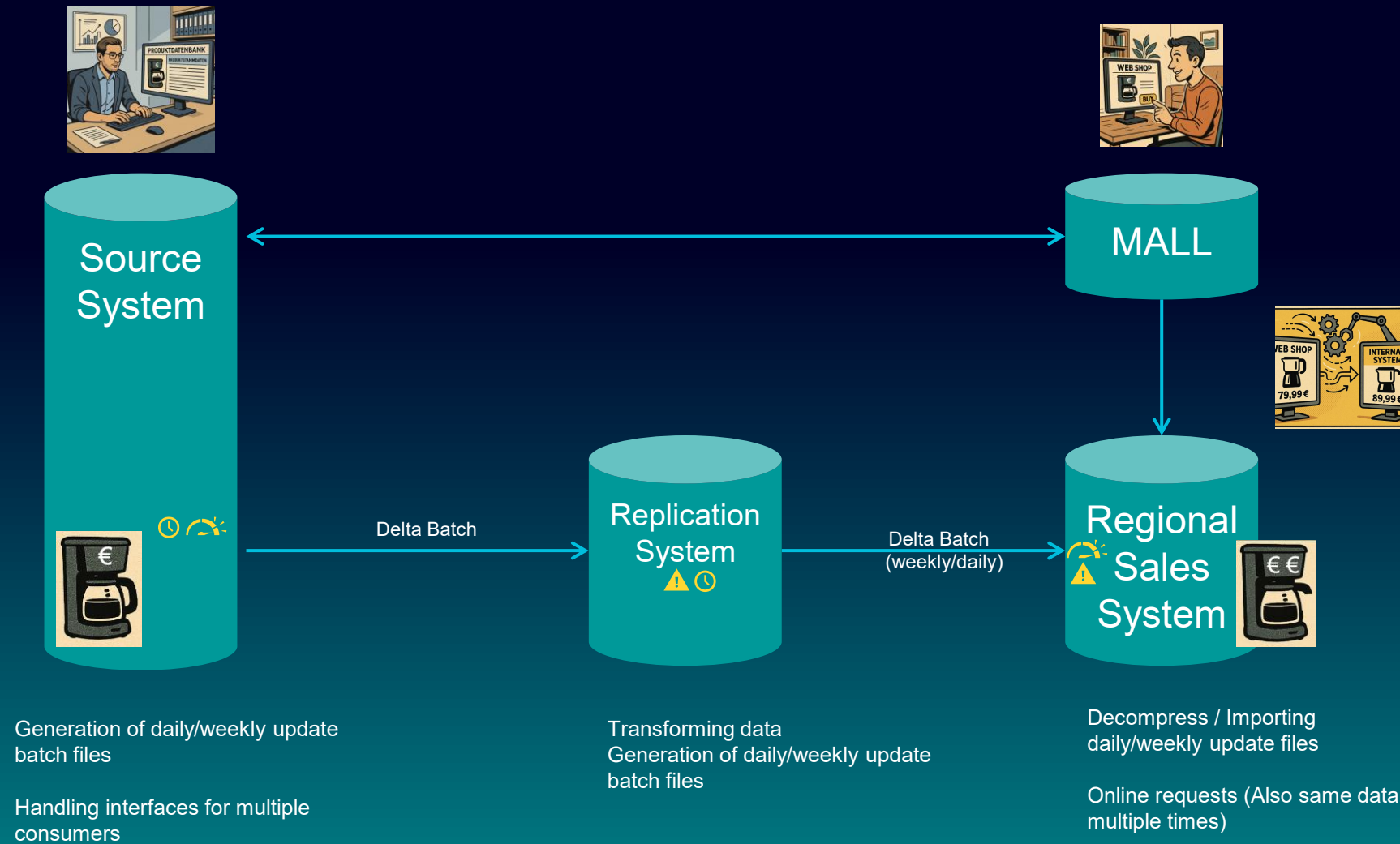
PMDS – Product Master Data Streaming

- Product Master Data provisioning
 - Event-based data streaming supersedes batch
 - Easy connecting Producer & Consumer
- Main Producer
 - Complex and grown SAP System running on high load
 - Additional interfaces increase load
- Consumers
 - Regional sales systems for 60+ Regions
 - Product master data provisioning System (eCatalog)
 - Siemens MALL
 - ...

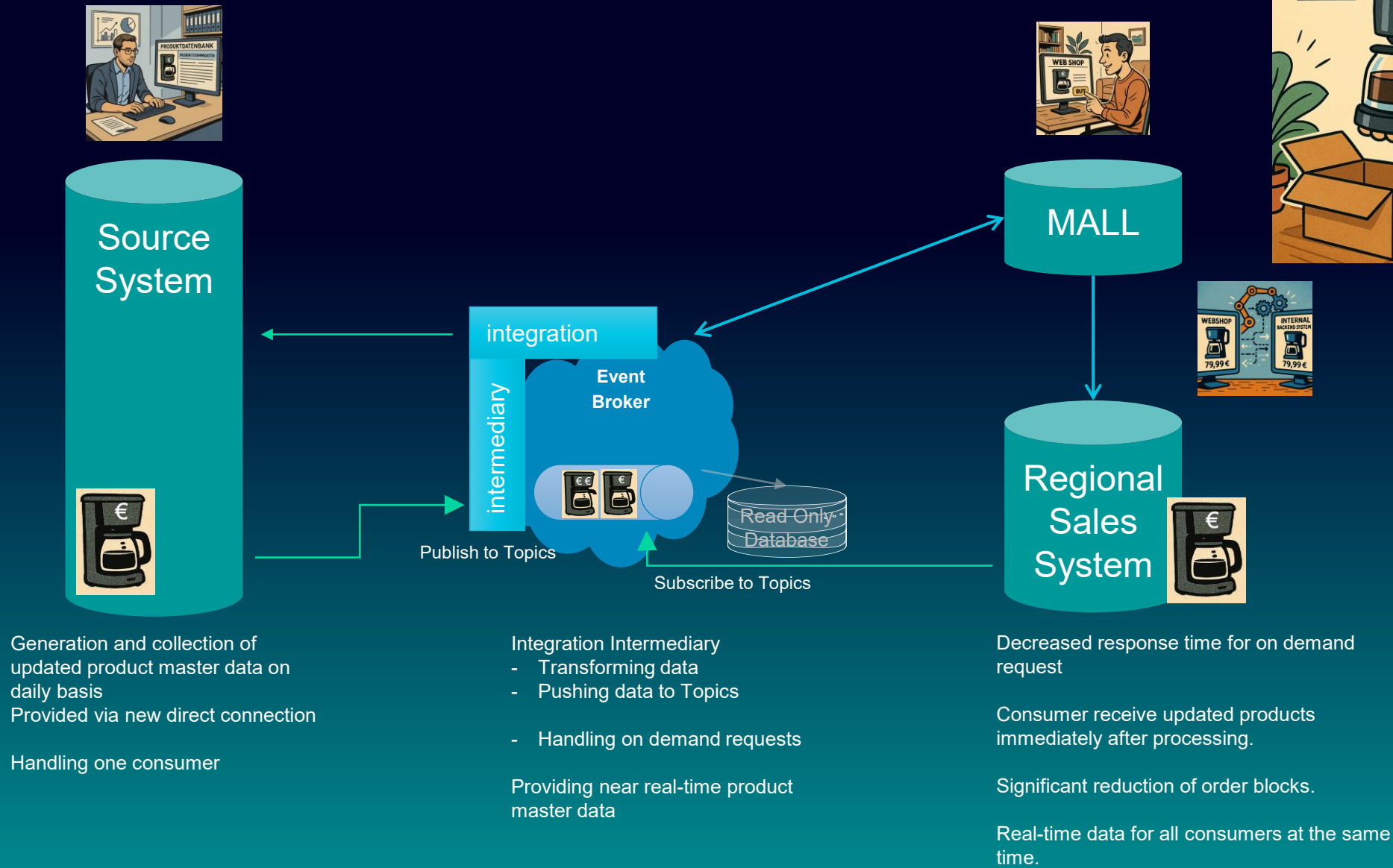
Product Master Data UseCase Intro



PMDS – Starting Point



PMDS - Innovation



Benefits

- Decoupling of Producer & Consumers
- Consumer can resume consuming
- PMDS fast/reliable
 - Decrease of update time of regional sale systems from worst case 4 weeks to 2 days
 - Consuming can start with the first incoming update
- Easy consumer & producer set up

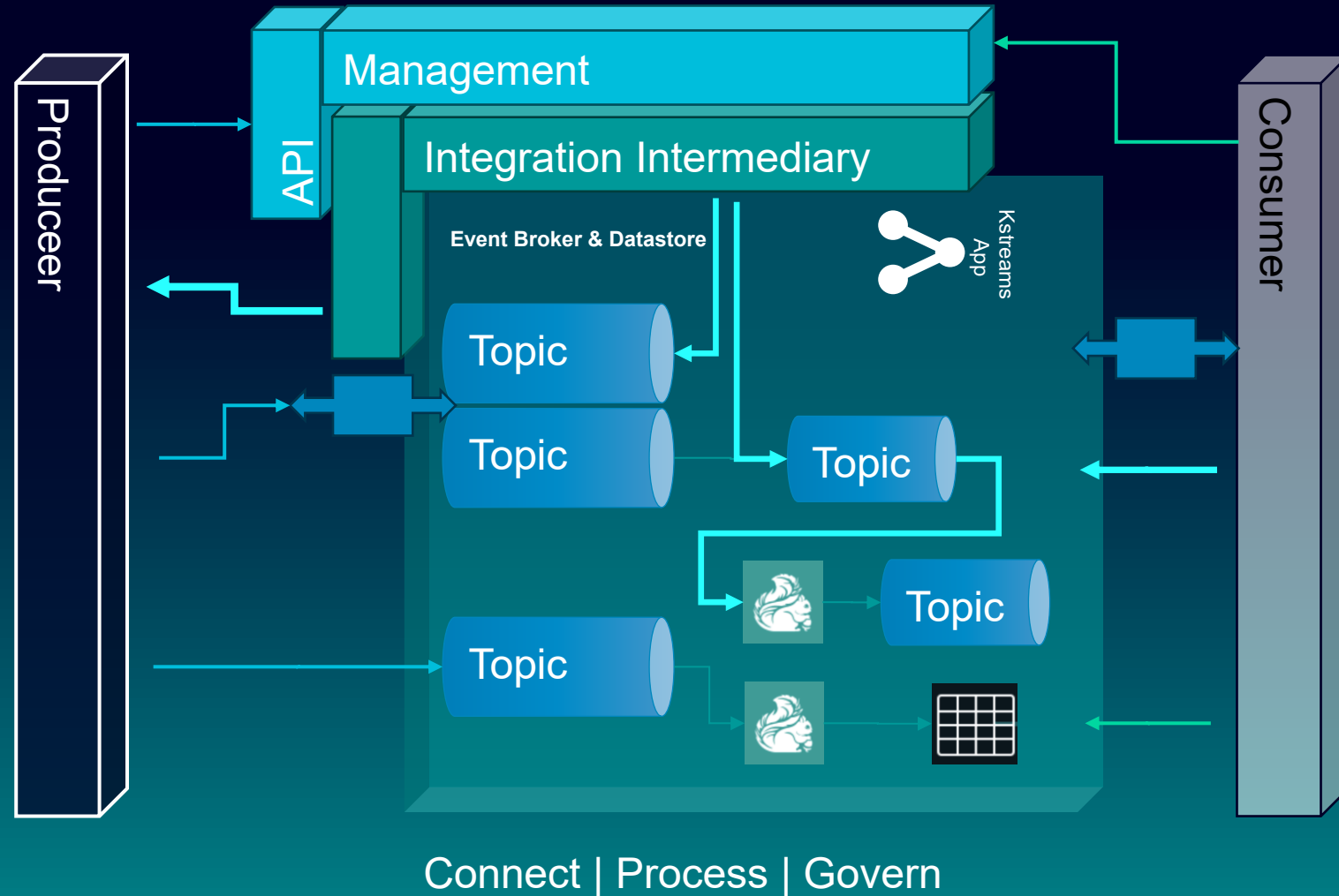
- FY 2024/25
 - PMD Commercial data UseCase
 - 19 Mio Messages
 - 200GB of new data
 - 3 days producing time (Source to PMDS)
 - 5 days consuming time (PMDS to Target)
 - Overall, 4 days of higher load

- Benefits
 - No-code pipelines
 - Streaming native
 - Scalability
 - Availability
 - Security
 - Zero trust ready

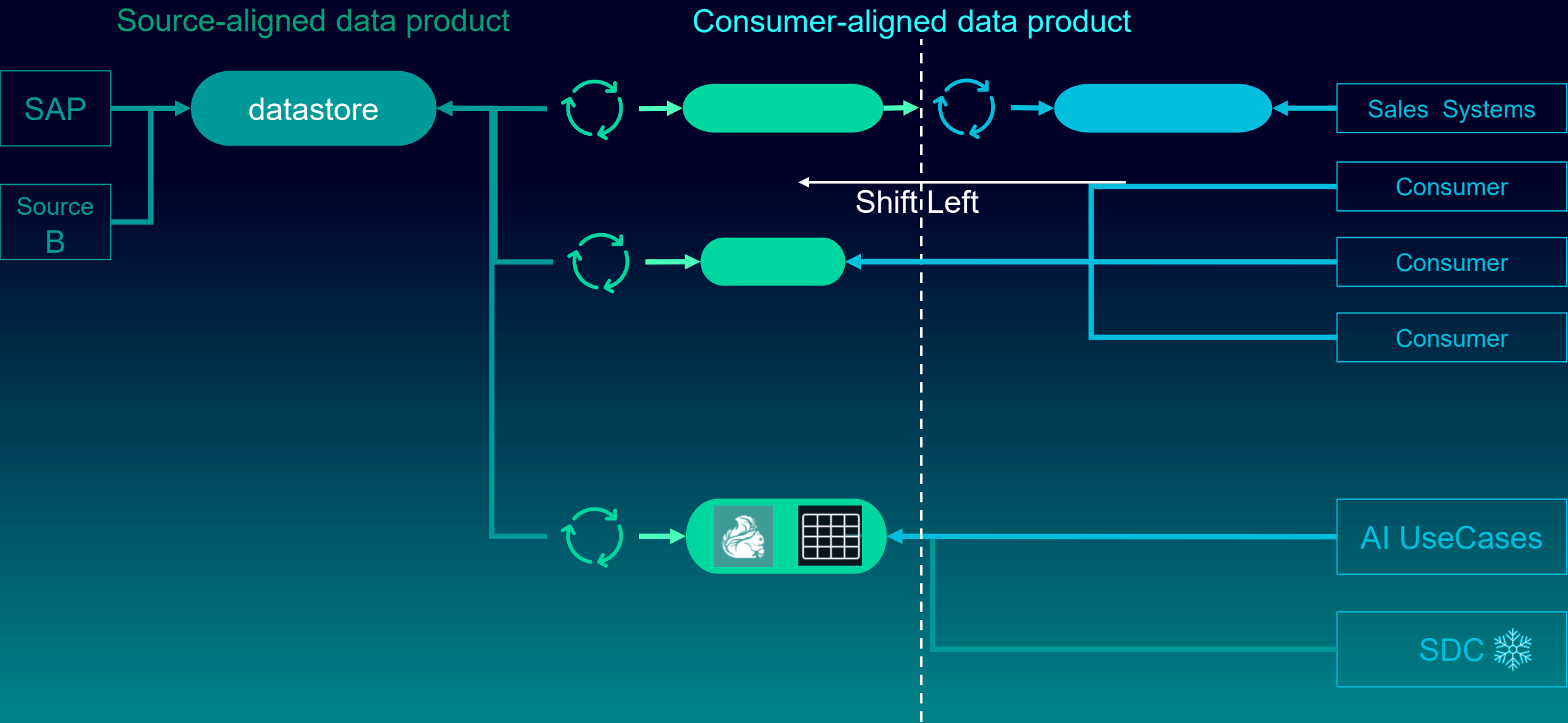
- Average
 - 2 Mio per day produced Messages
 - 8 Mio per day consumed Messages
 - 300 GB of retained data (Storage)
 - 3 h producing time (Source to PMDS)
 - 5 h consuming time (PMDS to Target)

Blueprint

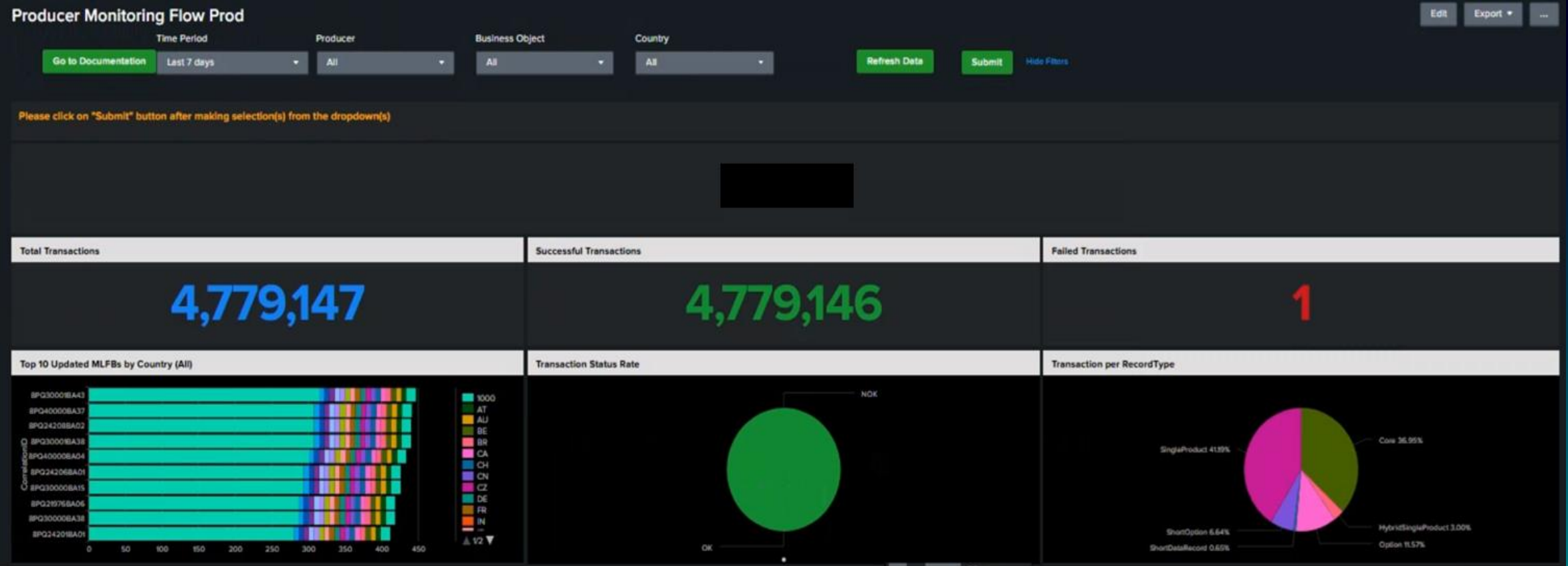
- Decoupling
 - Easy Connect
 - Share own data
 - Shift Left
-
- Salesforce integration
 - Teamcenter integration
-
- Rojo a valuable and proven partner
 - Integrations
 - Service



Data Mesh in Siemens Data Cloud



Observability



Use-case: Enabling Data Mesh through Modern Integration Patterns



A paradigm shift from centralized data lakes to decentralized data ownership



Event-driven Integration architecture can standardize the connectivity across distributed domains

Use-case: Enabling Data Mesh

