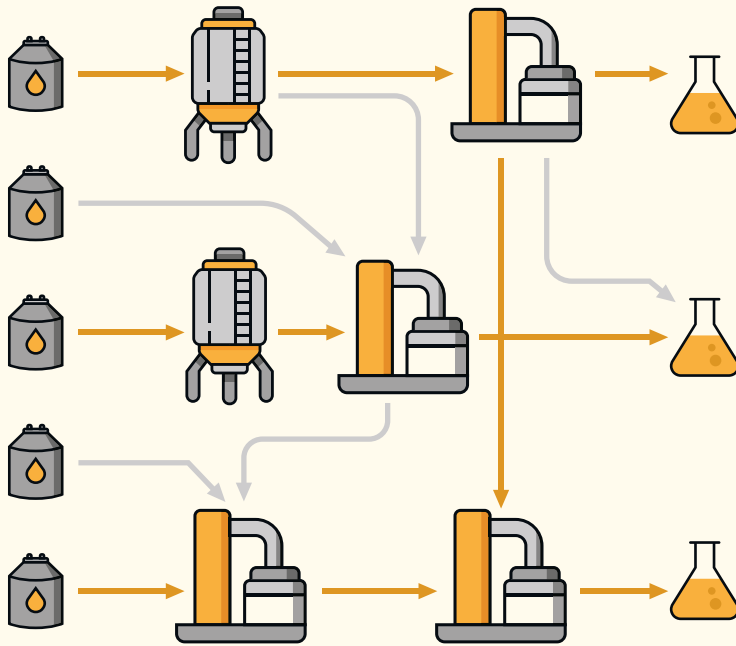




END-TO-END PRODUCTION FLOW TRANSPARENCY

Through tracking the raw material journey

End-to-end production flow transparency through tracking the raw material journey



The Chemical Industry Tracing Issue

In the chemical industry, the complex, multi-stage and globally distributed production processes make tracing the flow from the raw material to the final product a tough task. In many cases there is a striking lack of transparency about the sources of raw materials, and their quantities and critical importance in intermediate or end products.

The lack of transparency poses serious threats to inventory effectiveness, compliance, and supply security, slows down planning processes and impedes efficient risk, business continuity, and quality management.

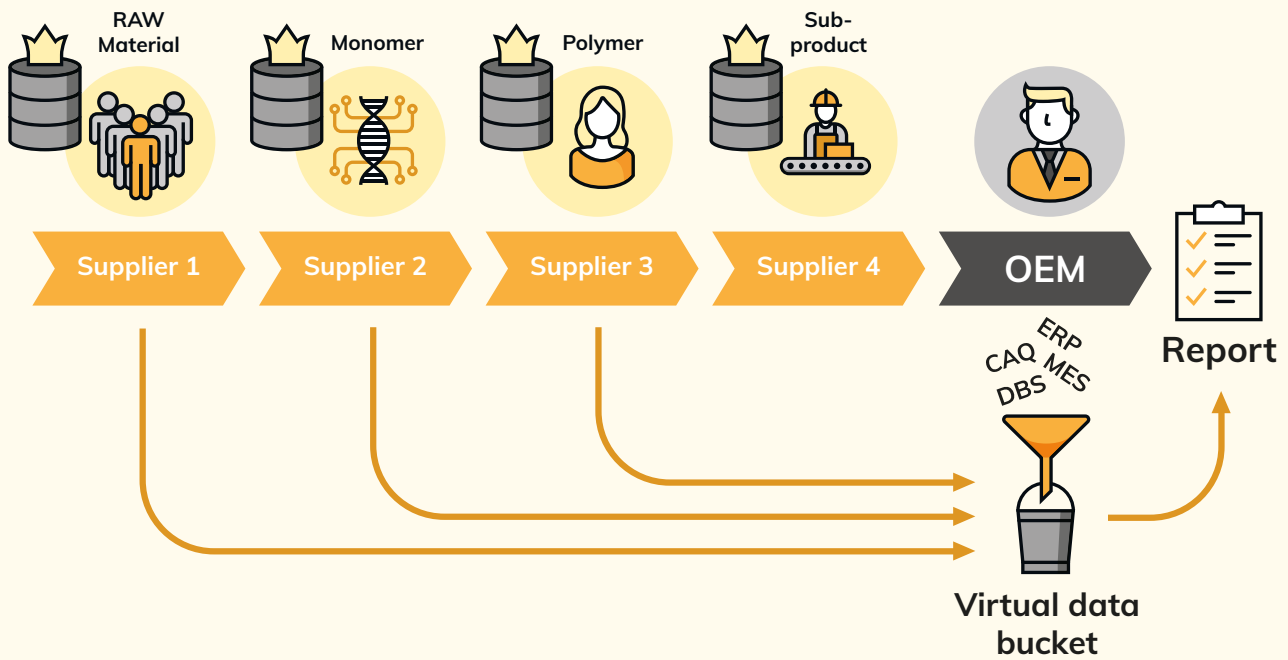
E2E PRODUCTION FLOW TRANSPARENCY HAS A GREAT IMPACT ON

- Supply security & business continuity
- Real-time decision making
- Procurement & financial planning
- Operational excellence and quality
- Traceability & compliance
- Demand-driven production

The Challenge of Disappointing Technology

Conventional digital approaches & tools quickly reach their limits when it comes to collecting stock and process information from the widespread production network, consolidating data from heterogeneous IT systems and efficiently manage access rights. They require high amounts of time and budget to implement and run, operate platforms with low-level data standards, increase cyber security risks through, or are vulnerable to manipulation. Ensuring automated, holistic, tamper-proof and near-real-time tracking of the material flow requires a radically different approach.

- The ARXUM® Suite taps into data silos of different supply chain partners. Based on a blockchain backend each data owner controls the rules on the access to their data. Guarded by individual rulesets data exchange and access is completely automated and provides the right piece of information from different sources at the right moment.
- ARXUM® pulls data from any IT system into virtual data buckets. Individual data buckets are filled from supplier data lakes and provide the basis for concise reports on supply chain and material information.



BUSINESS BENEFITS

TECHNICAL ADVANTAGES

Process Quality	Transparency
<ul style="list-style-type: none"> - Real-time reporting and KPI tracking - Improved proactive business steering 	<ul style="list-style-type: none"> - Full picture of a complete process workflow with a target/actual-comparison
Cost Savings	Automation
<ul style="list-style-type: none"> - Improved forecasts and faster decision-making - Fast reaction through alerts 	<ul style="list-style-type: none"> - Defined rules for automated process execution according to process workflow
Efficiency	Disintermediation
<ul style="list-style-type: none"> - Significantly reduce manual efforts and gain efficiency with automated order processing 	<ul style="list-style-type: none"> - No media disruption through a holistic process image
Compliance	Immutable Traceability
<ul style="list-style-type: none"> - Prevent non-compliant results from being processed or delivered 	<ul style="list-style-type: none"> - More efficient tracing through less time spent searching and verifying

Take advantage of ARXUM® blockchainbased supply chain tracking suite

With ARXUM® Suite your company is ready to meet the challenges of the digital future! ARXUM® is the ideal partner when it comes to agile and smart solutions. Benefit today from this cutting edge technology based on a blockchain backend and do not rely on risky and expensive platform approaches.

FOUR CRUCIAL ADVANTAGES:

1

READY-TO-USE

ARXUM® Suite uses pre-developed software modules. Only a system customisation on customers infrastructure is needed. No months of development of a unique software solution!

2

FAST RAMP-UP

First Business Case based on ARXUM® Blockchain Services up and running within a matter of days. Realization of an entire project in a few weeks, efficiency gains immediately noticeable.

3

COST EFFICIENT

Due to the ready-to-use software modules no costly on-site development. Server infrastructure is provided as a service by ARXUM®. No expensive hardware necessary.

4

SCALABLE INFRASTRUCTURE

Existing Use-Cases can be extended depending on the demand. Connection of further locations or data silos is easily possible.

