

WCO data model and decision intelligence

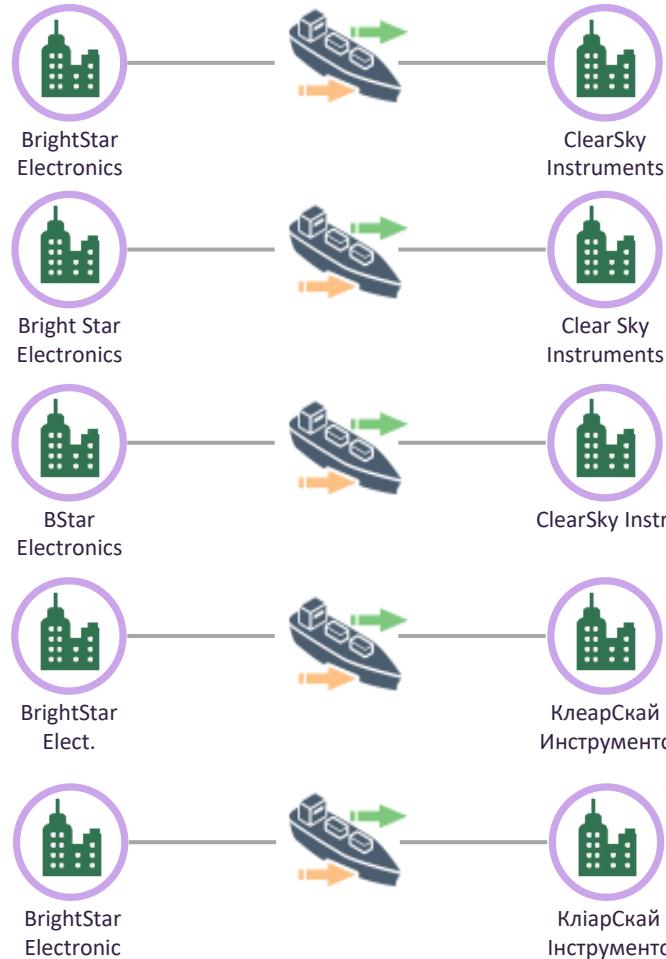
Daan Voets

Solution Owner Customs

Confidential | Quantexa®

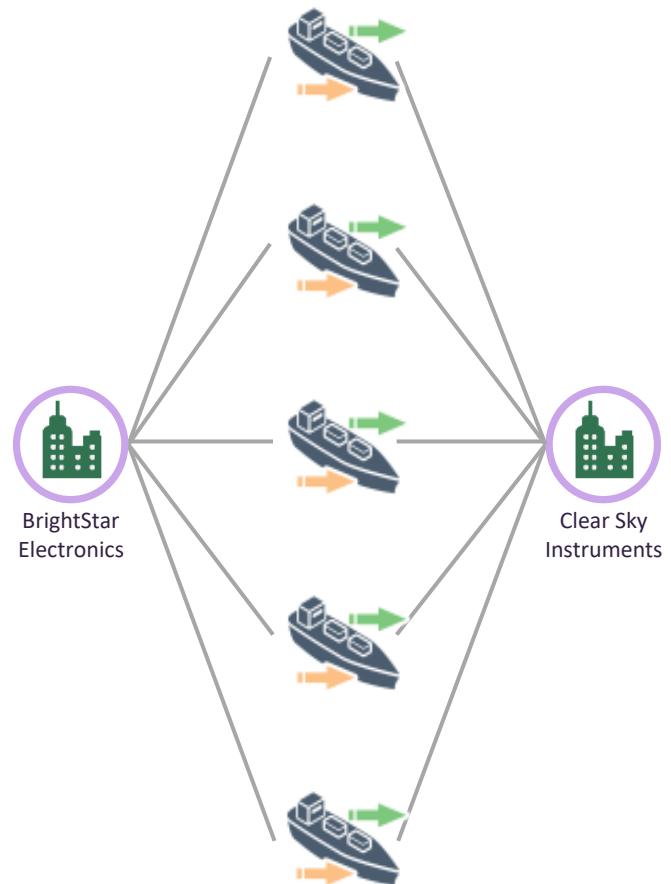


Without Entity Resolution



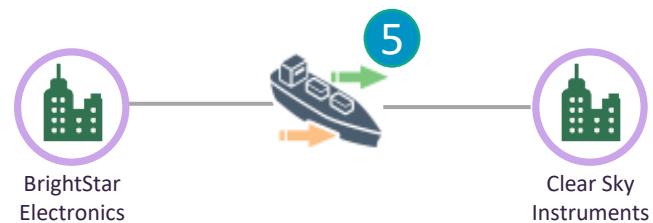
Fragmented view of shipments,
trader profiles not built accurately

With Entity Resolution

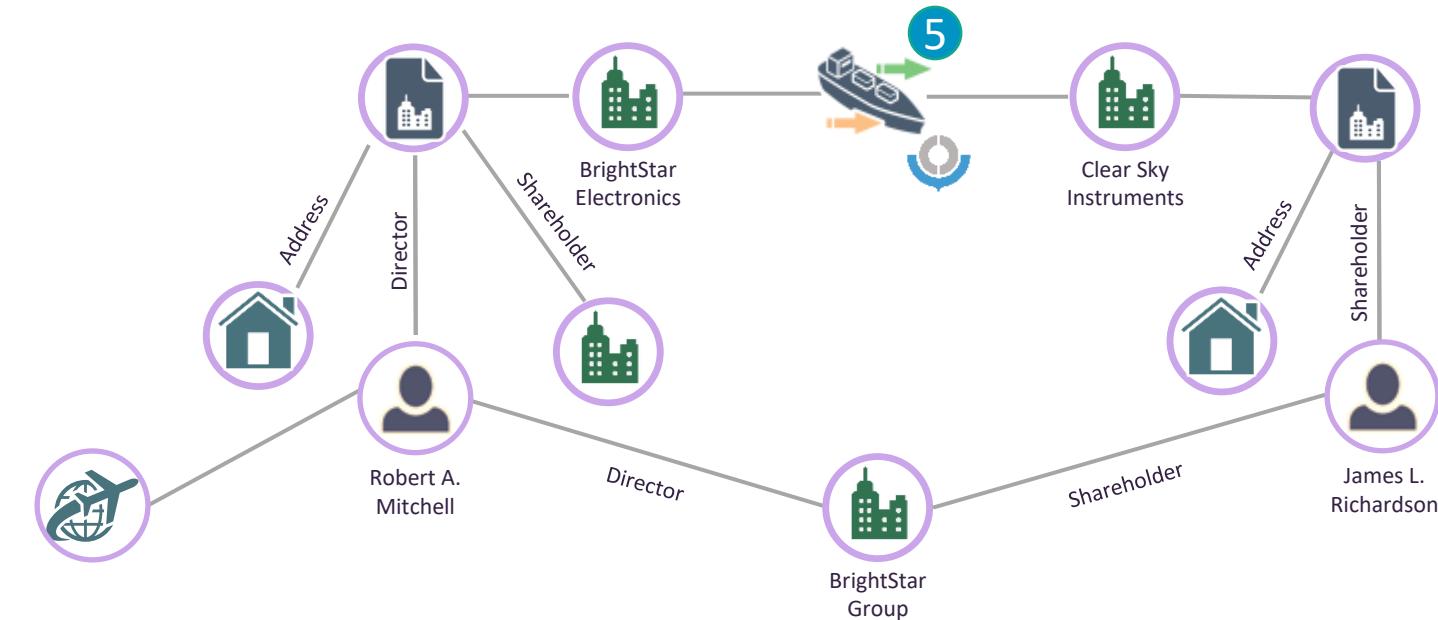


Traders resolved and linked

Network Representation

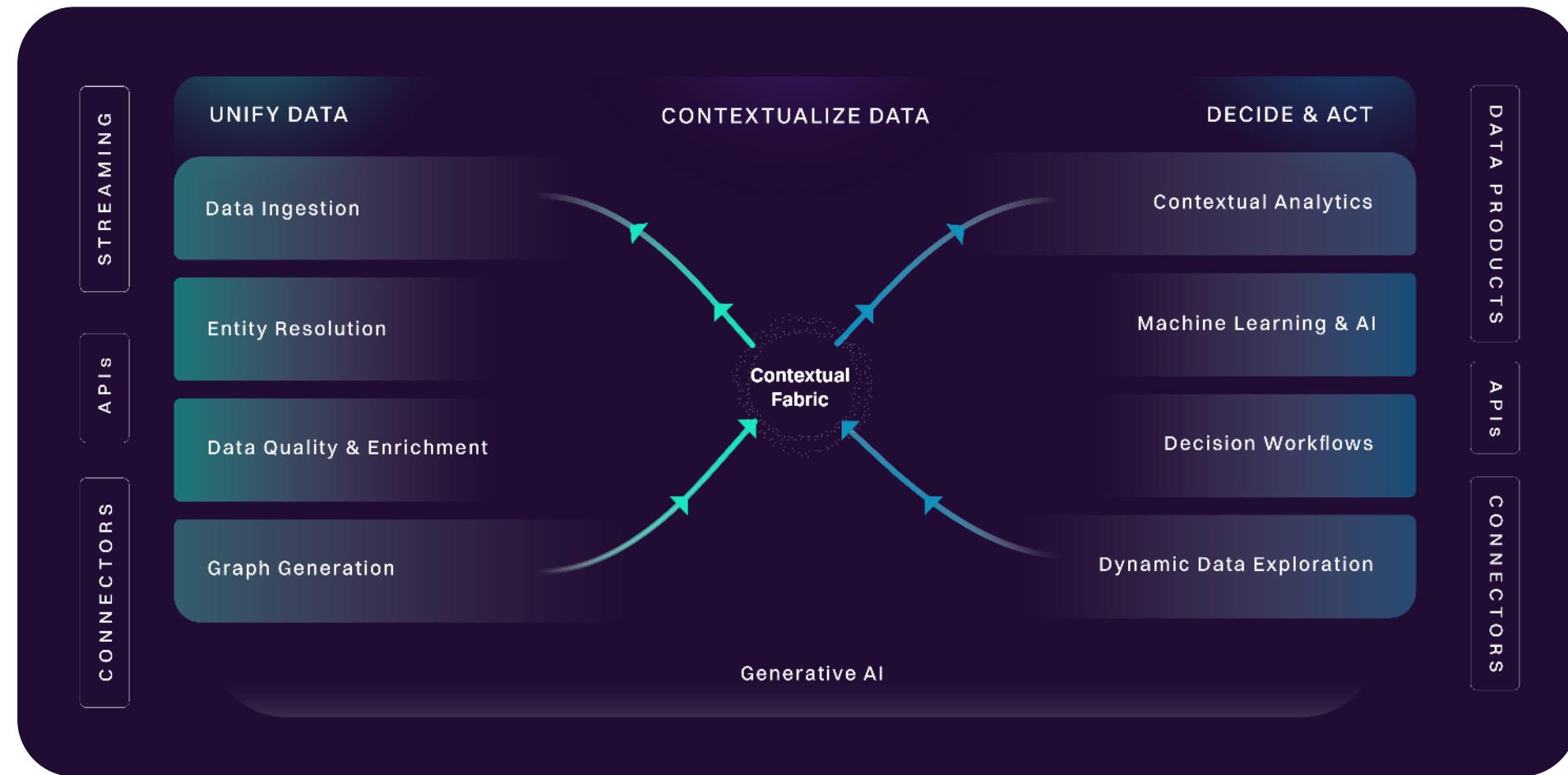


Relationships show aggregated data
between traders



↓ SCORE DESCRIPTION

↗ 200	Drug Smuggling Network
↗ 100	There is 1 individual linked to a Complex Offshore Schema.
↗ 100	Circular ownership detected
↗ 100	Telemetry - Unexpected Event
↗ 50	First Time Notify Party
↗ 50	Corporate Structure Change
↗ 50	There are 1 individuals on a Watchlist
↗ 50	Telemetry - abnormal routing
↗ 50	Obscuring Identity

**SCALABLE**

Scales to 60bn+ records and supports real-time decisioning

SECURE

Granular security, controllable access

TRANSPARENT

Explainable models and traceable decisions

FLEXIBLE

Modular, cloud, on-premise or hybrid



Reduction of traders

Based on 15 million declarations from multiple European countries

94%

European customs agency

Reduction of Pre-investigation

By resolving all the relevant entities and automatically creating networks for the investigator

85%

European tax agency

Matching accuracy

Calculated by comparing Quantexa's resolved entities against the labelled dataset.

99%

Corporate structure vendor

