



WCO data model and decision intelligence

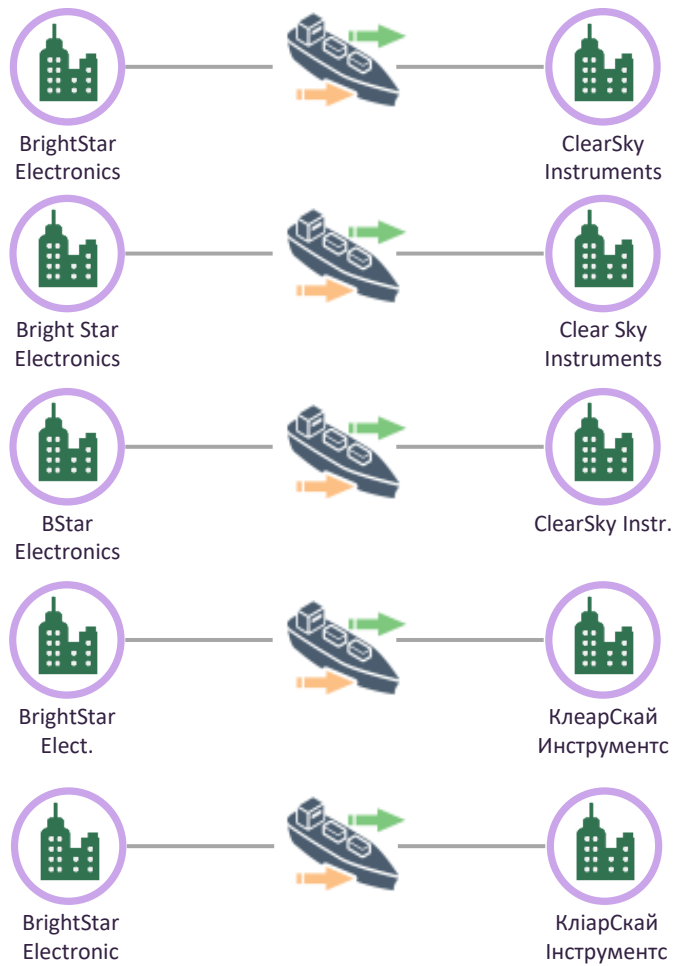
Daan Voets

Solution Owner Customs

Confidential | Quantexa®

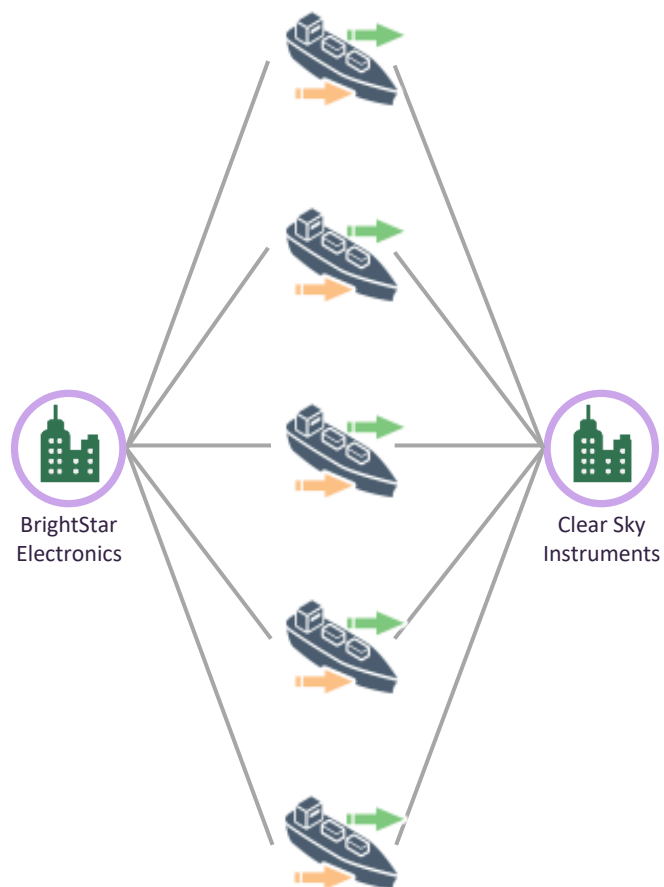


Without Entity Resolution



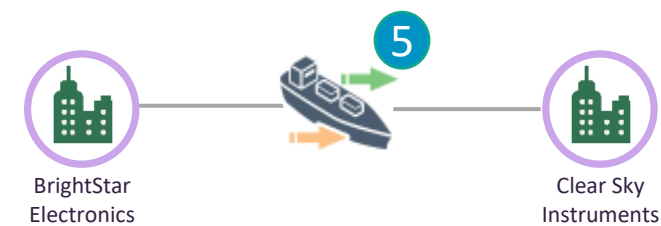
Fragmented view of shipments,
trader profiles not built accurately

With Entity Resolution

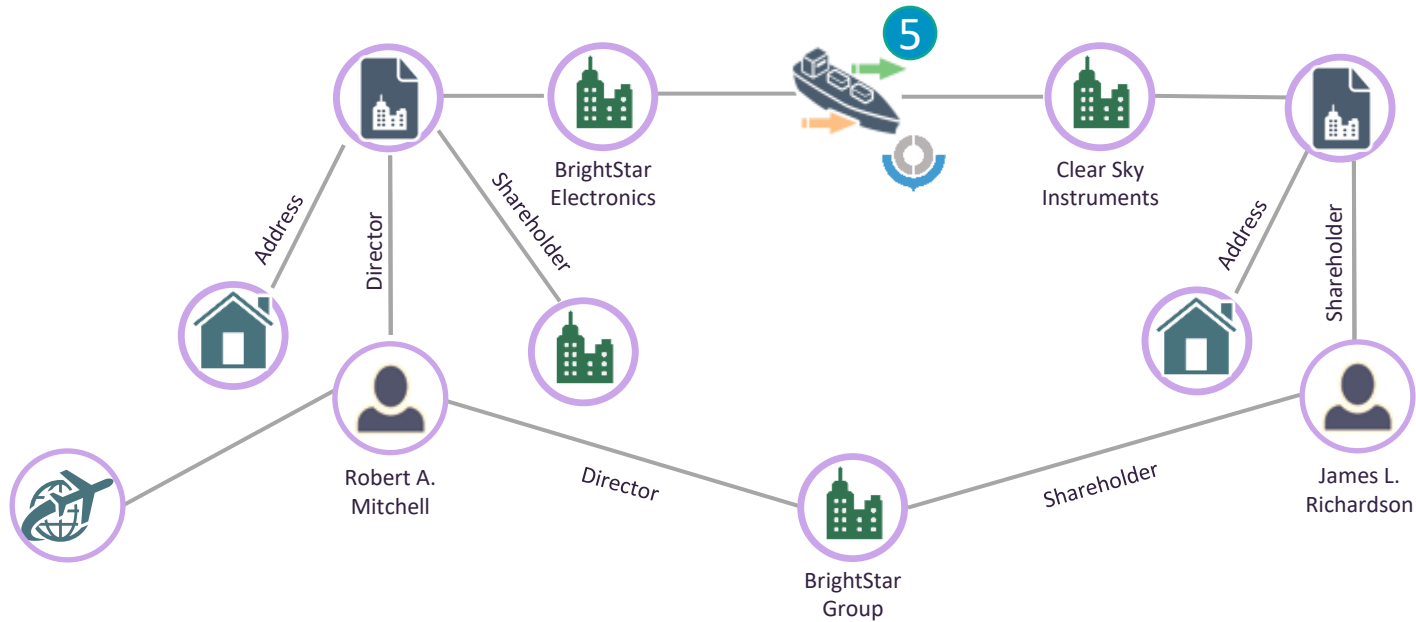


Traders resolved and linked

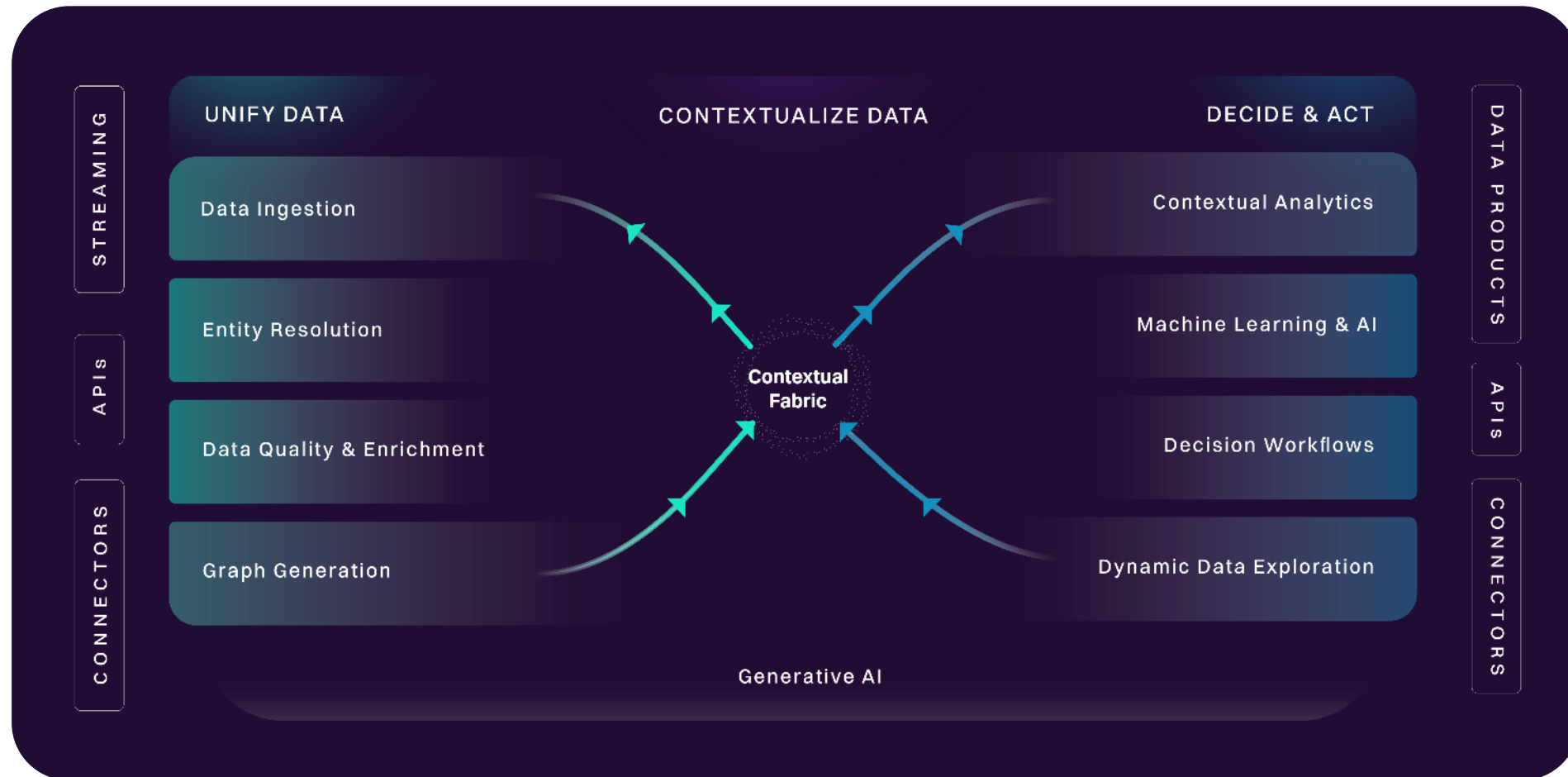
Network Representation



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

