

REAL TIME ANOMALY DETECTION

Enabled by **Kafka Streaming & Machine Learning**

Issue detection in traditional systems happen **after** the damage is done



Cost of
Late Detection

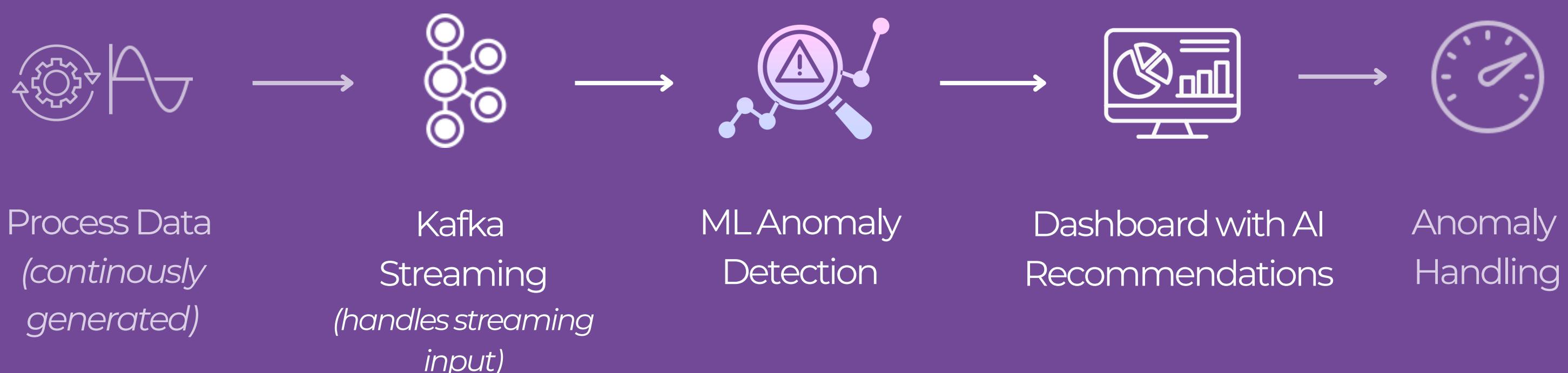
Toyota: **\$2B** recall & lost sales - defective pedals

Citibank: **\$500M** loss due to system input error

Rework costs : 30% of costs caused by missed effects

Downtime: \$1.5M for every hour

Our Solution - Automated Detection Dashboard



Business Value



Reduced
Detection Time



Reduced
Losses



Lower Manual QA
Dependency



Labor
Savings



Lower
Downtime



Improved
ROI



Regulatory
Compliance



Improved Brand
Reputation, Trust

REAL TIME ANOMALY DETECTION



Use Cases



AI Model Monitoring:

Drift detection, model degradation alerts



IoT & Smart Cities:

Bridge stress, traffic anomaly alerts



Manufacturing:

Faulty component detection, predictive maintenance



Banking:

Fraud detection, transaction anomalies



Retail:

Inventory shrinkage, order failure alerts



FAQs

Difficult to integrate?

Plug & Play, runs locally or in cloud

Already have QA teams?

QA is post-facto. This is preventive. It augments humans, doesn't replace them.

"Won't ML models need constant retraining?"

Our system uses unsupervised learning, designed for drift tolerance.



Dhairy
Patadia



Garret
Kierzek



Hsu
Ya-Chin



Karthik
VS



Mohammed
Shiran



Tenzin
Jangchup