THE DATA COMPANY

YOUR DATA | OUR EXPERTISE

MiWay.co.za

CASE-STUDY

DataWalk

CASE STUDY: SA TAXI
FRAUD ANALYTICS AND MANAGEMENT DASHBOARDS

ABOUT

- **Comprehensive, Affordable and Flexible Car Insurance**
- **MiWay** is a **licensed non-life insurer and financial services provider**, offering customers a range of **non-life insurance** products including **motor**, **household**, **homeowners**, and **business insurance** - as well as **liability cover**.

CHALLENGE

- **MiWay** needed to **expand and transform its fraud detection, analytics, triage** and i**nvestigation capabilities.**
- **MiWay** needed to **replace its existing fraud investigation platform within a 3-month period.**
- **Platform** to support **MiWay** in **incorporating AI and predictive analytics** into its **fraud detection processes.**

SOLUTION

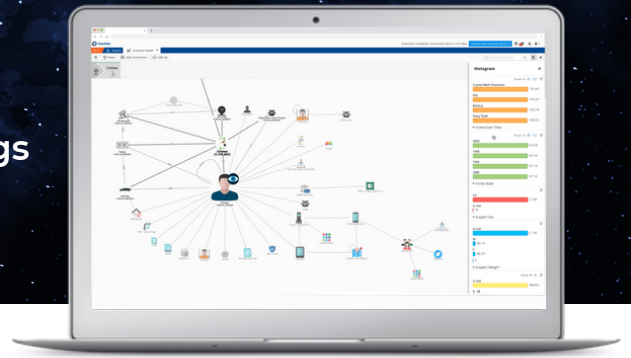**Replace their existing fraud investigation tool with DataWalk**

- As an **initial implementation**, DataWalk was chosen to **replace an existing fraud investigation tool** as it was seen as having **much richer functionality** than the existing tool such as **better data integration**, **data processing** and more **self-service functionality**.
- This has now **rolled on to further phases of implementation and integration** of other use cases such as **integration of unstructured data and external data** to help with the **fraud triaging process.**
- It should be noted that **MiWay** are using a **Sapiens Tia PAS** and as such we have familiarity with the data structures in their short-term insurance use cases.

KEY BENEFITS

- **3-month** implementation and **go-live period**.
- Significant business self-sufficiency to **build own expert and fraud detection rules**.
- **Phase 1** incorporated the majority of **all MiWay products and policies**.
- **Easy to use solution** and significant **improvement of processes**.
- Improved **investigation tools**.
- A **solid foundation of data** and **capabilities** on which to **overlay AI and predictive analytics capabilities**.
- **Flexible solution** that can **grow with MiWay** as the company grows and the **fraud trends evolve**.

DataWalk
ANTI-FRAUD SOFTWARE

Automatically Identify Potential Crime Rings and Other Suspicious Behaviour to Reduce Fraud Losses

USE ALL YOUR DATA

- **DataWalk Anti Fraud Software:**
  - **Import and connect data:** Integrates internal and external data sources.
  - **Rule generation:** Allows easy creation of rules.
  - **Visualisation tools:** Provides link charts and reports for data analysis.
- **DataWalk Universe Viewer (Knowledge Graph):**
  - **Abstraction layer:** Simplifies complex data into a visual model.
  - **User-friendly interface:** Enables non-technical users to interact with data easily.
- **Scale-Out Architecture:**
  - **Seamless scalability:** Supports vast amounts of data efficiently.

AUTOMATICALLY DETECT AND MONITOR ORGANISED CRIME GROUPS

- **Extended Graph Technology:**
  - **Graph algorithms:** Includes algorithms for tasks like identifying organised crime clusters.
  - **Automatic detection and alerting:** Alerts when new entities connect to these identified crime group clusters.

DataWalk

DETECT FRAUDS WITH REMARKABLE ACCURACY

- **No-code "Batch-Mode" Detection:**
  - **Rule and score creation:** Allows users to create and modify rules and scores.
  - **Inclusive capabilities:** Incorporates expert rules, graph algorithms, and machine learning models.
- **Iterative Tuning:**
  - **Optimising rules and scores:** Customers achieve true positive rates of over 90% through iterative tuning over time.

DRAMATICALLY ACCELERATE INVESTIGATIONS

- **Pre-Connected Data:**
  - **Comprehensive view:** Immediate access to information about individuals, claims, events, or contracts.
  - **Visualisation and analysis:** Utilises powerful link analysis and graph algorithms for understanding relationships.
- **Data Sources:**
  - **Inclusive data:** Includes public records services, open-source data, social media, and other connected data sources.

QUICK AND SEAMLESS START

- **Quick Installation:**
  - **Rapid setup:** Can be installed within minutes, either on-premise or in the cloud.
  - **Speedy data integration:** Data import and connection completed within hours.
  - **Fast results:** Initial results can be delivered within a few days or even less after installation.

For A Broad Range Of Anti-Fraud Use Cases

Financial Crime 360	Retail Fraud/ORC	Unemployment Fraud	Auto Insurance Fraud
Procurement Fraud	Health Insurance Fraud	Fraud, Waste, and Abuse	Application Fraud

DataWalk is a graph analytics platform using AI and ML to solve fraud challenges

DataWalk is a scalable, no-code, graph analytics software platform.

DataWalk's **graph analysis** foundation enables you to **connect all your data**, **understand structures**, and **identify patterns** in large, highly connected datasets through an **intuitive knowledge graph**.

DataWalk effectively **supplements case management** and **monitoring systems**, **weeding out false positives** and **improving the number of successful escalations**.
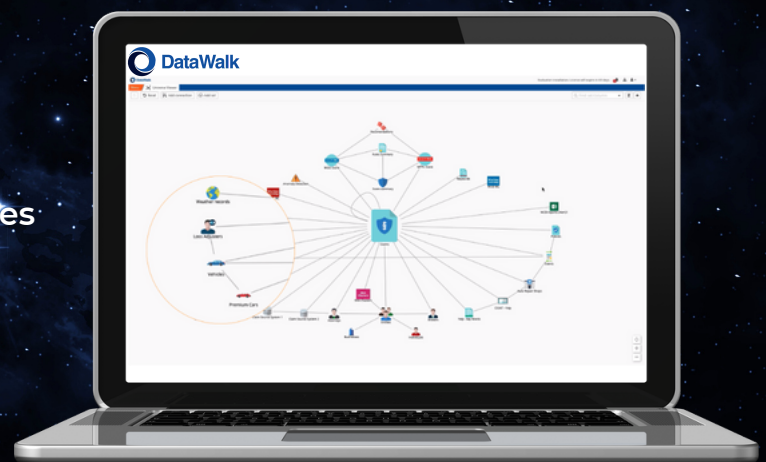
Graph is all about **identifying** and **analysing relationships** and **connections** between **data elements**, which can very effectively **address key regulatory requirements** that otherwise are very difficult to handle. Combining graph with **Artificial Intelligence** enables you to **identify hidden relationships** and other **suspicious behaviours** with remarkable accuracy.

Graph technologies are game-changers in this fight of **combating fraud** and can provide new capabilities and compelling benefits to help organisations in **eliminating frauds of a different nature.**

ALL YOUR DATA CONNECTED IN ONE PLACE FOR INSTANT ACCESS

Integrate your data sources and existing systems to get a holistic crime risk assessment of your customers, contractors, and employees.
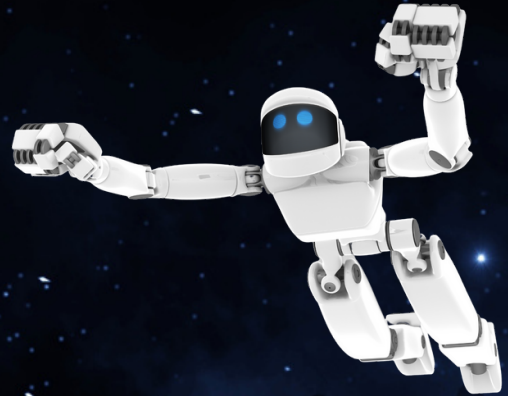
- Fraud detection and investigations
- Financial crimes 360
- AML (Anti-Money Laundering) alerting
- and investigations
- Dramatic reduction of AML false positives
- 360-degree KYC analysis
- Customer Due Diligence
- AI/Machine Learning
- Other non-investigative sorts of applications

INTELLIGENCE ANALYSIS
Connect all your data & quickly generate quality intelligence

SUPPLEMENTAL AML ALERTING
Quickly comply with challenging regulations

FRAUD DETECTION
Find suspicious patterns and networks across all your data

> ## "HELPING ENTERPRISES ACCELERATE THEIR DIGITAL TRANSFORMATION JOURNEY AND TURNING DATA INSIGHTS INTO ACTIONS".
>
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