



THE DATA COMPANY

YOUR DATA | OUR EXPERTISE



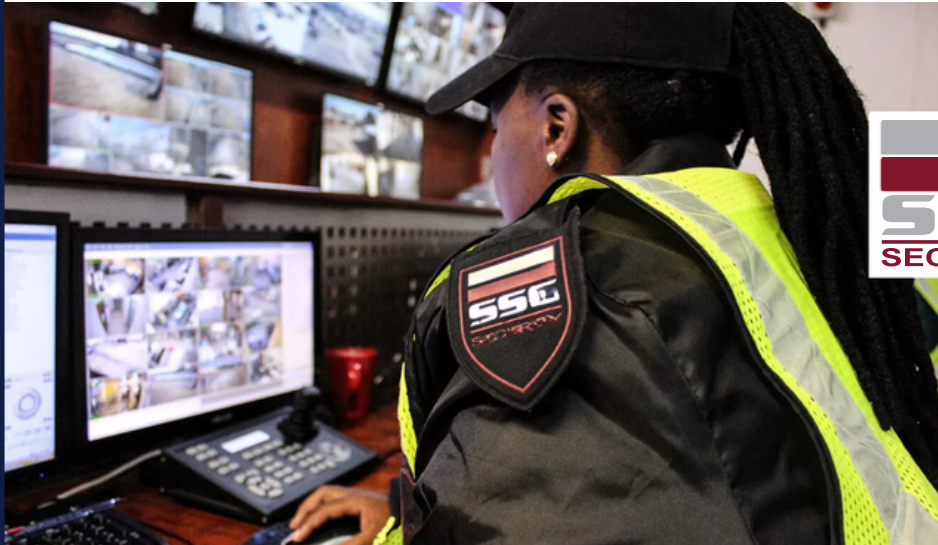
CASE-STUDY



DataWalk

CASE STUDY: SSG SECURITY

FRAUD ANALYTICS AND MANAGEMENT DASHBOARDS



SSG SECURITY

SSG Security offers their clients optimum security solutions and services on a national basis. SSG Security has a culture of pride in performance and integrity with a level of commitment that comes from employee satisfaction and motivation.

ABOUT

- **SSG Ltd** is a **SIA (Security Industry Authority)** approved **private security company** for security guarding.
- **SSG** offers their clients **optimum security solutions** and **services** on a **national basis**.

PROJECT

- **Forensic and Data Analytics Solution**

SECURITY INDUSTRY

- The security industry can be described as a **fluid and evolving industry** where companies must always **adapt and prepare for criminals**.
- **Decentralised data** can make **sharing valuable company insights across the organisation** challenging.
- Unfortunately, such systems are **standard in the industry**, with many organisations unknowingly **wasting resources** and unable to **effectively coordinate** themselves. **Strategic decisions** are likely to be unoptimised for the developing industry without some form of a centralised hub or portal to log and track data across the country.

CHALLENGE

An often-neglected aspect of companies shared across many industries over the globe is the **utilisation of their data**. **Data quality, consistency and standardisation are often overlooked**, impacting the lessons and insights which can be mined. **At the dawn of this decade, prehistoric methods of data storage are still holding companies back**, data silos are just one example of storage which is still commonly used.

- **End of life** and **discontinuation** of support of **Memex** case management solution.
- **Analysts** spent more than **90% of the time capturing data** and very little time spent on **forensic activities**.
- Needed a **market-leading forensic and data analytics solution**
- Many **manual processes** and **reporting** on a regular basis.



CASE STUDY: SSG SECURITY

FRAUD ANALYTICS AND MANAGEMENT DASHBOARDS

SOLUTION

We have shown that we have been able to use and expand upon the core DataWalk software to deliver a full analytical solution to their business needs.

Our offering **addresses numerous issues** which have plagued the security industry for years.

Our platform **collects, correlates, and enriches data from various sources**.

We believe that **ensuring data quality and consistency for our clients** is just as critical to us, as also being able to **provide lossless and rapid integration from static and real-time data** – creating a **single source of truth**. Our **FINIUM framework** allows us to provide **live-action feedback reporting** and project the latest, **most up-to-date data onto a dedicated dashboard**.

- **DataWalk** was implemented as **SSG's forensic and investigation solution**.
- Operational dashboards to **automate reporting**.
- **Implementation of document parsers and API** to data sources to **accelerate and automate the data capture processes**.
- **Migration of all existing case data from Memex to DataWalk**.
- **Custom facial recognition solution to streamline and automate processes**.

Deployment of this enterprise-scale platform allows SSG to:

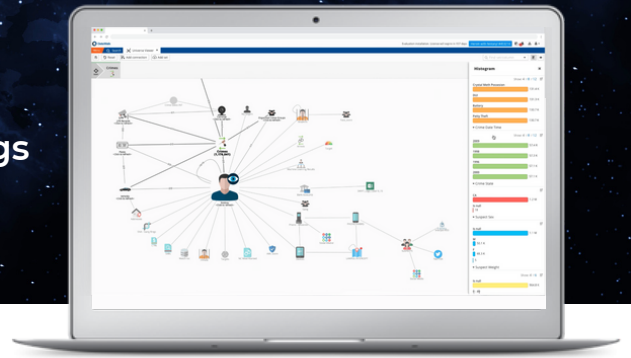
- **Structure and streamline** internal processes
- Work **faster**
- **Investigate** deeper
- **Manage overlaps** in data to address conflict

KEY BENEFITS

- **SSG was the first to market with DataWalk in South Africa**, offering their customers the benefits of an innovative technology solution.
- **SSG reported an exceptional speed difference in their internal processes**.
- **SSG reported an efficiency increase of 95%** - where time used to be spent on data capture, analysts can now spend time on their investigations.
- **Improved accessibility**. DataWalk is accessible remotely, so users can perform their investigations from anywhere. DataWalk also promotes collaboration between users.
- **Able to develop bespoke technology solutions to further support SSG's automation and technology needs:**
 - Bespoke **facial recognition** solution
 - Automated **reporting and document generation**
 - **OCR** and document **parsers**
 - **Centralised** incident capture and reporting
 - **Health & safety** solutions
- **Centralised, automated and digitised data capture and reporting increased efficiency** within the organisation as well as more transparency and better business decisions.



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.



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

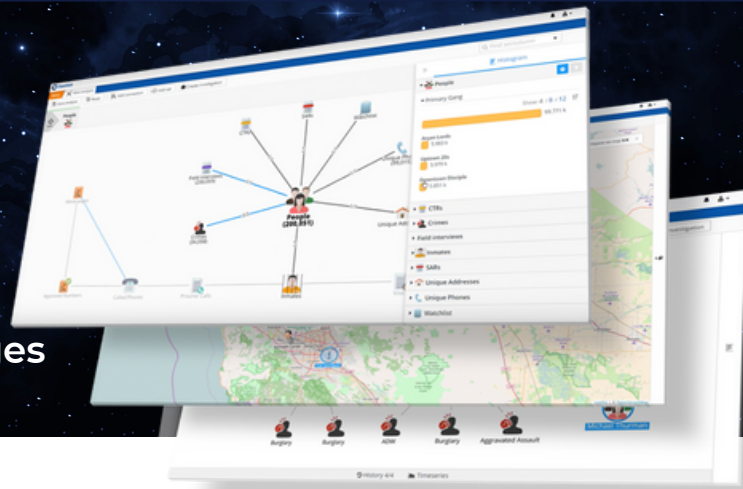
Health Insurance Fraud

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**.

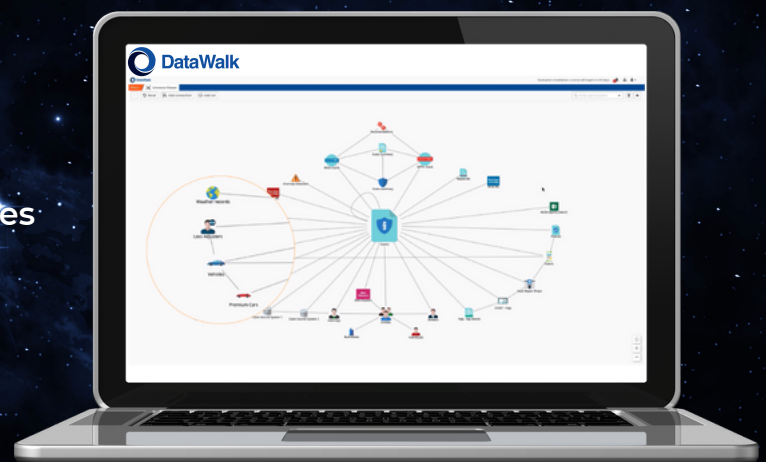
Graph is all about **identifying** and **analysing relationships** and **connections** between **data elements**, which can very effectively **address key regulatory requirements** that otherwise are very difficult to handle. Combining graph with **Artificial Intelligence** enables you to **identify 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.

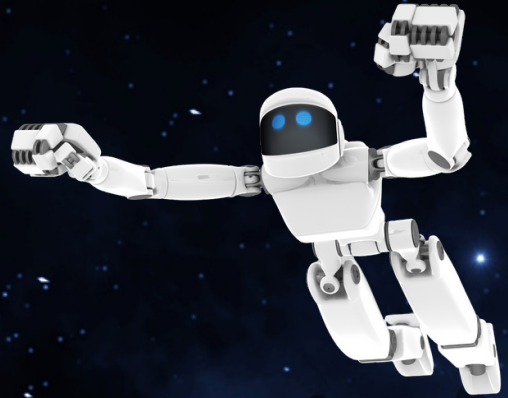
- Fraud detection and investigations
- Financial crimes 360
- AML (Anti-Money Laundering) alerting and investigations
- Dramatic reduction of AML false positives
- 360-degree KYC analysis
- Customer Due Diligence
- AI/Machine Learning
- Other non-investigative sorts of applications



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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