# SygnosDB

**Optimised for Telecommunication Data**

**Data Sheet.**

# SygnosDB Data Processing

### Optimised for Telecommunication Data

Processing a massive array of telecommunication data traditionally required massive resources to transform the transactions into a meaningful structure. This is where graph database is advantageous. By transforming the users into nodes and applying time data and activity types as relationships between the nodes, we instantly reduce the complexity into two dimensions: time and activity type. This transformation takes place automatically whenever the database ingested new transactional records from the data source.

Our system took advantage of transactional database technologies, as well as Blockchain technology, to log these transactions as indexed variables. This dynamic variable was made possible by our ontological schema that separated static variable structures from dynamic variable structures.

This approach also massively reduced the amount of data to be stored in the database. The system didn't need to store every activity recorded as independent variables, as it only needed to know whether an activity connected one node to another at a certain time. As was expected with large database systems, the less objects there are to record and manage, the faster the system would perform for search and retrieval.

Our data processing system was designed to be easily integrated with our intelligent database system, allowing the database to ingest the activity graph and time records at a rapid pace. This series of mapped transactions can then be automatically integrated with other graphs already stored, as defined by the schema.

## For Further Information, Please Contact:

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