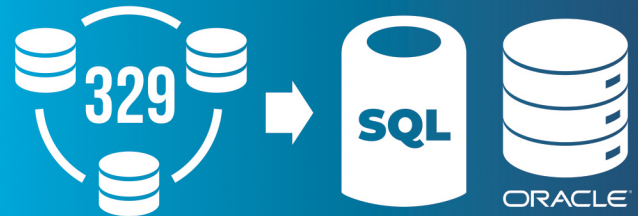# AIM OF THE ENGAGEMENT

Based on firm-wide strategic decisions, ASB Resources and the client Infrastructure team decommissioned 329 existing internal Sybase databases and migrated this data to new Oracle or SQL Database environments. ASB did this while optimizing the data and removing redundancies increasing performance and reducing cost to the client by over $5 million annually.

ASBResources
Extraordinary People.
Extraordinary Results.

329 → SQL ORACLE

OUR SOLUTION

- Identified the business area, storage size, and capacity of all databases as well as the downstream systems/users

- Completed proof of concept to understand which database (Oracle vs. SQL) would be best fit for capacity and performance

- Development of all SIT and UAT

- Performed Prod Parallel Testing to ensure that the downstream users and applications were not affected

- Maintained Regulatory Compliance throughout project
  - Archived data per government mandates
  - Deployed strategies for archiving data including changing historical structures

- Completed optimization of all data and removed redundancies

- Streamlined processes for all LOBs and downstream users for Access Mgmt. – API, Cache, removed all direct access

PROJECT STATISTICS

- Data retrieved from multiples LOBs/Areas:

- 58 Applications ranging from 2GB – 28TB were rearchitected

- Seamless migration of database across platforms (Solaris to Linux, Linux to Windows Servers)

- Migration of IQ Columnar Databases to Oracle Exadata

- Streamlined process to leverage Hadoop solutions as part of migration effort

- Capital Markets & Investment Banking Technology
- Capital Markets Services Technology
- FX and Shared Services Technology
- Fixed Income Sales & Trading
- Non-Wholesale
- WIM Technology
- WFS Technology
- WFS Electronic Trading
- Wholesale Core Services Technology
- Risk Management
- SIG
- TIO

- 160 downstream systems
- 1300 downstream users
- Migration of over 10K Sybase Stored Procedures to SQL/Oracle Procedures
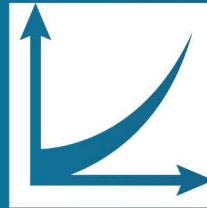- Over 2 million lines of code

BENEFITS TO CLIENT/KEY SUCCESS FACTORS:

Successful migration of legacy applications – FIST, 1RDI, Sami and others

Retired the legacy/old databases and released new databases with 0 incidences after going live

Tuned and improved the query performance - in some cases **increased speed by over 500%**

Improved Scalability with Oracle Exadata

MBE CERTIFIED

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