



How AWS accelerated Fenergo's data-driven digital transformation

Tom Trolez

Partner and Chief Data &
Technology Officer,
Spark

David Neale

VP Digital Transformation,
Fenergo



Tom Trolez

Partner and Chief Data & Technology Officer, Spark

“ Spark improves the operational efficiency of our customers through the use of Data & AI.



David Neale

VP Digital Transformation, Fenergo

“ Fenergo helps fight financial crime in the market through the use of technology and automation.

Fenergo Context



What was the context?



Enterprise Data Silos

Inability to build Single Source of Truth with history



Manual System Integration

Not scalable



Manual Reporting & Lack of Capability

Duplication across functions

“Empowering the business to drive operational and strategic decision making through data driven insights.”

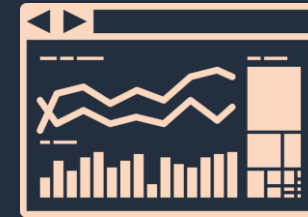
Fenergo Data Platform's Vision

Fenergo Goals



Operational Efficiency & Scalability

1. Remove Data Siloes
2. System integration via data layer



Improved Reporting Capabilities

1. Combining datasets across business applications
2. Automated recurring reports
3. Ease of use Ad Hoc analysis

Key Success Factors



Operational Scalability

Consistency & Quality at Core



Advanced Analytics & Insights

From Information to Action – Drive Decision Making



Transparent Governance & Security across Org

Provide Broad Access across all applications



Companywide unity on Data Strategy & Architecture

Support Business team's adoption

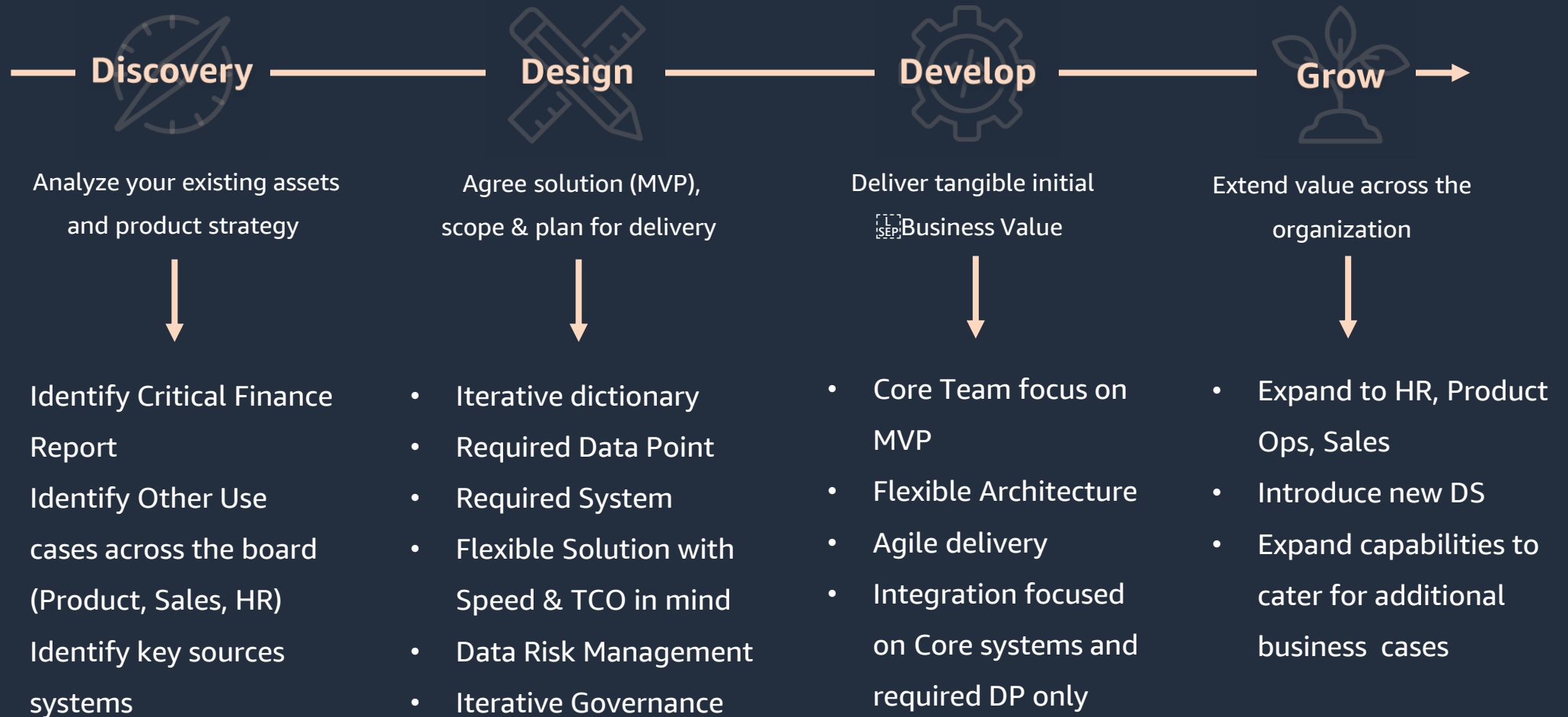
Spark. Engagement Model



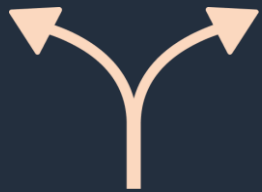
Approach

Spark.

fenergo



Why a Data-Driven Culture



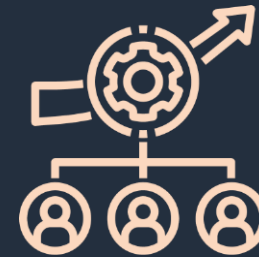
Faster & Unbiased Decisions

Increases confidence and decreases risk



Transparent & End-2-End Insights

Focuses resources on proven priorities



Organizational Consistency

Shared understanding and optimized processes



Optimized Investment and Spend

Highlight trends and size opportunities

A Hybrid Approach



Hybrid Data Community - An Alternate Data Governance

Producers

Team that own and share data



Centre of Excellence

Empower the organization



Consumers

Team that leverage the data

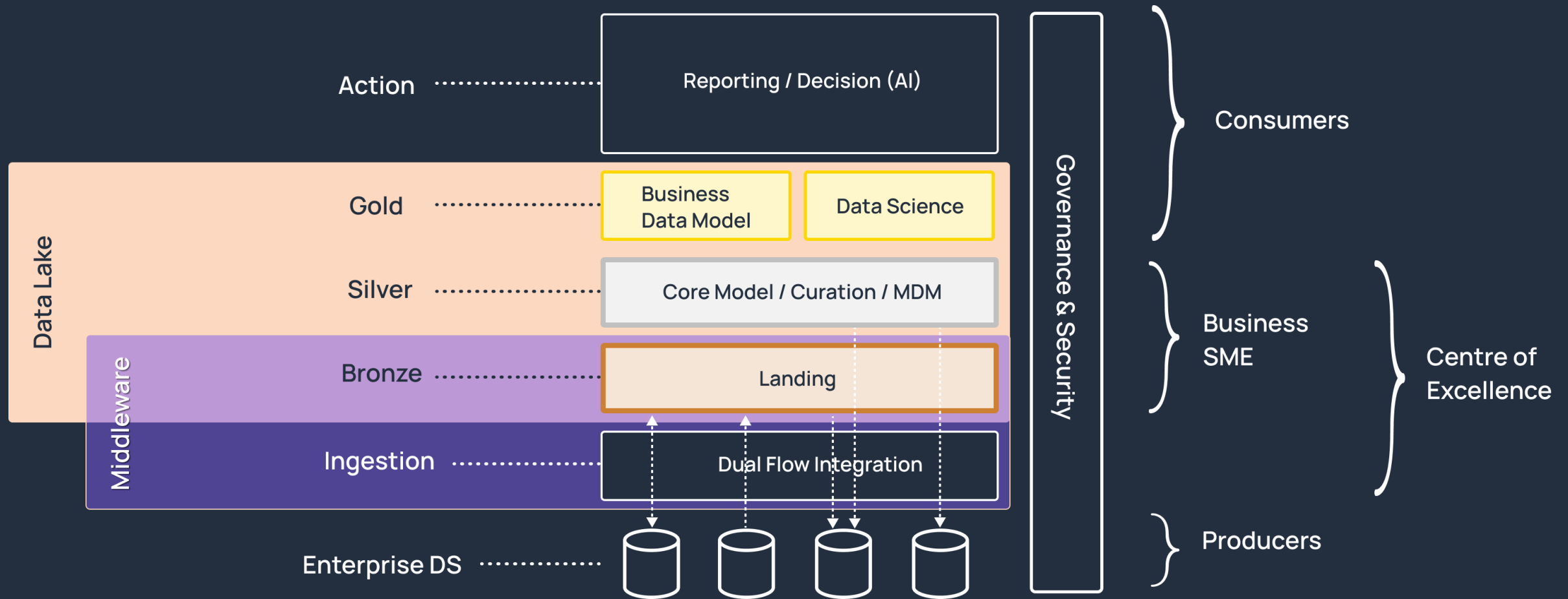


- SME
- Data ownership
- Data quality
- Metadata Management

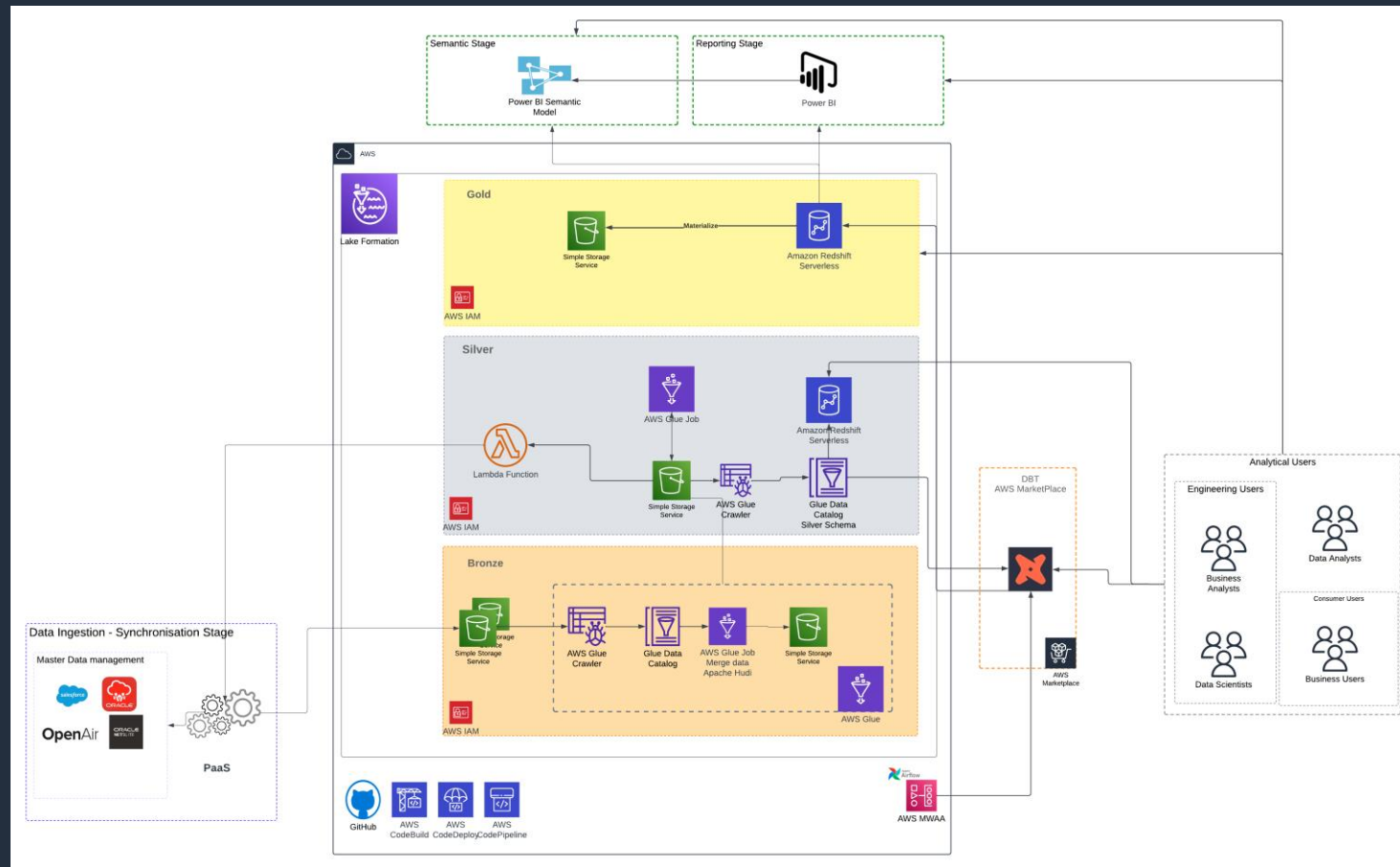
- Assure Security
- Empower Distributed Governance
- Run the Platform
- Build Core Data pipeline
- Integrate Data Sources

- Execute business priorities
- Business analytics development
- Data Discovery
- Creation of new insights

A Hybrid Platform



AWS based solution



Key components

AWS Lake Formation to enable access controls on data assets

AWS Glue Catalog for Lake House metadata management

AWS Glue for data processing

AWS Redshift Serverless for Silver & Gold Layer compute and SQL Interface to Lake House

AWS Managed Workflow for Job Orchestration and management with Apache Airflow

AWS Market Place - DBT Labs Data Transformation solution enabling Analysts to build business layers.

Next Steps?



Benefits

- Enable Department led Analytics
- Reduce total cost of ownership
- Foster change adoption
- Operational efficiencies - more for less

