LTIMindtree

LTIMindtree PolarSled

Accelerate Data Modernization to Snowflake

PolarSled Overview

Data Transformation is among the most emphasized initiatives for most global 2000 companies. Achieved by modernizing and simplifying data landscapes and migrating existing data to newer platforms, it allows companies to become truly data-driven organizations. However, data transformation is a complex process, requiring a migration path, dealing with a gamut of technologies, and eliminating technology debt, all the while ensuring that business continuity is not impacted. Any data modernization effort is underpinned by four key steps.

1

CloudStrategize

Migration Strategy & Design

2

CloudMigrate

Scaled Agile Implementation

3

CloudGovern

Comprehensive Governance for Cost Optimization and Value Delivery

4

PolarSled Mesh

Move beyond Monolithic Data Lake/ Data Warehouse to Distributed Data Mesh

Besides the adoption of new technologies, it also calls for a fresh mindset. We at LTIMindtree, have been investing early and helping our clients and customers to adapt to this new reality.

Data Modernization with PolarSled

PolarSled addresses the core challenges of designing, accelerating, and governing a data transformation journey. We make your journey predictable, cost-effective, and agile. This approach of mindful automation to Snowflake cloud allows us to offer a complexity-free transition to the cloud.

Do It Fast

Expedite your journey to the cloud data platform from years to months with wing-to-wing automation using accelerators.

Do It Right

Build a future-ready data platform by eliminating the legacy platform technical debts, and migration jeopardies.

Do It Safe

Leverage key guiding principles and best practices to reduce migration complexity in a de-risked manner.

LTIMindtree PolarSled Simplifying Journey to Snowflake Data Cloud

Automation-first approach towards whole Migration / Modernization

1

PolarSled
Strategize

Intelligent **cloud migration strategy and design** to Snowflake (Months to Days)

- Smart Analyzer
- Dependency Analyzer
- Domain Analyzer
- Change Monitor

2

PolarSled
Govern

Governance tool kit to help **sustain operations and optimize expenditure** (~10-20% Cost Optimization)

- FinOps / Daily Briefing
- Snowflake Health Index - SHI
- Sentry & Light House

3

PolarSled
Migrate

Mindful data migration and validation to Snowflake data platform (~60-70% Automation)

- TableShift / ViewShift
- Cloud Convert
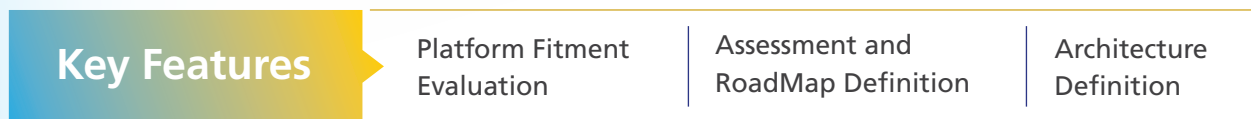- Cloud Upload
- Smart Validate

4

PolarSled
Mesh

Tool kit to **expedite your Mesh journey** on Snowflake

- Mesh-Readiness Assessment Tool
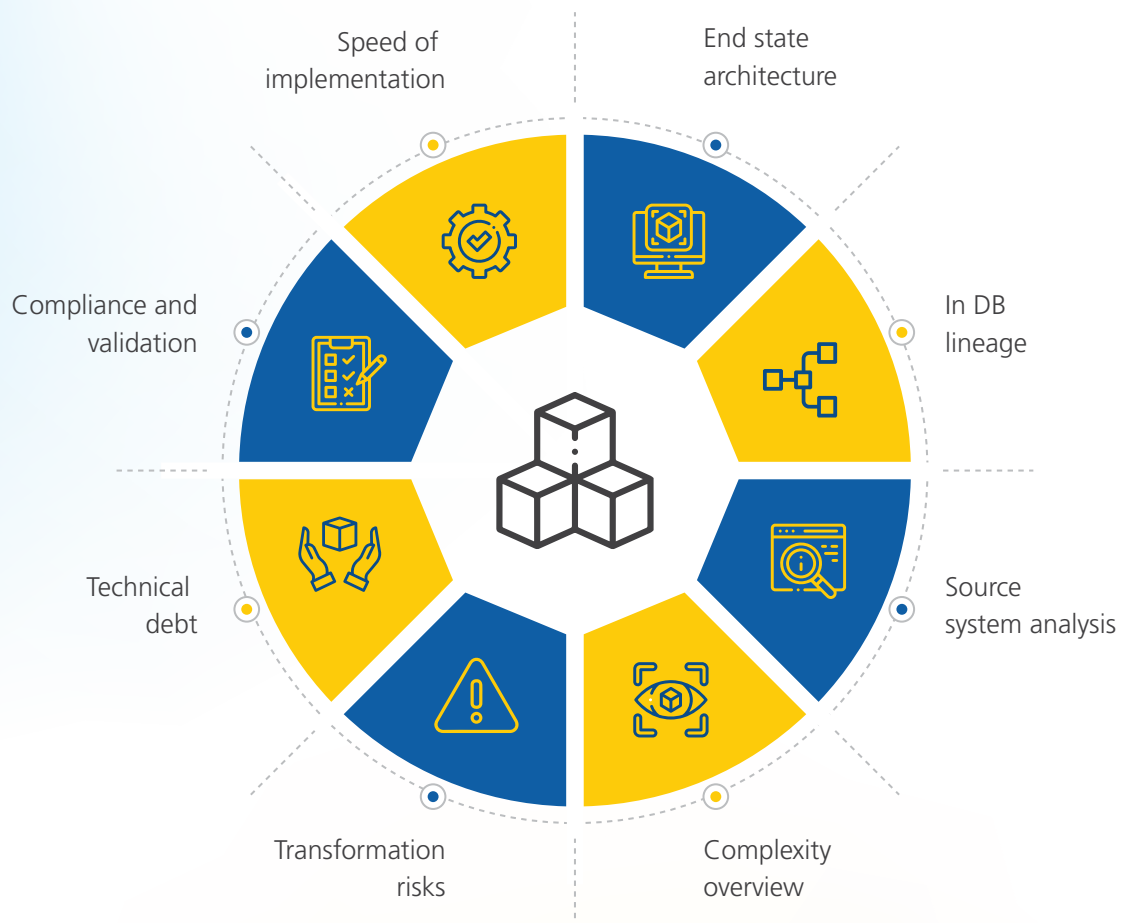- Self Service Infra
- Policy Definition
- Marketplace

Click here to **READ MORE**

Cloud Strategize

Technology strategy & consulting to help define the Snowflake migration and data strategy to the cloud
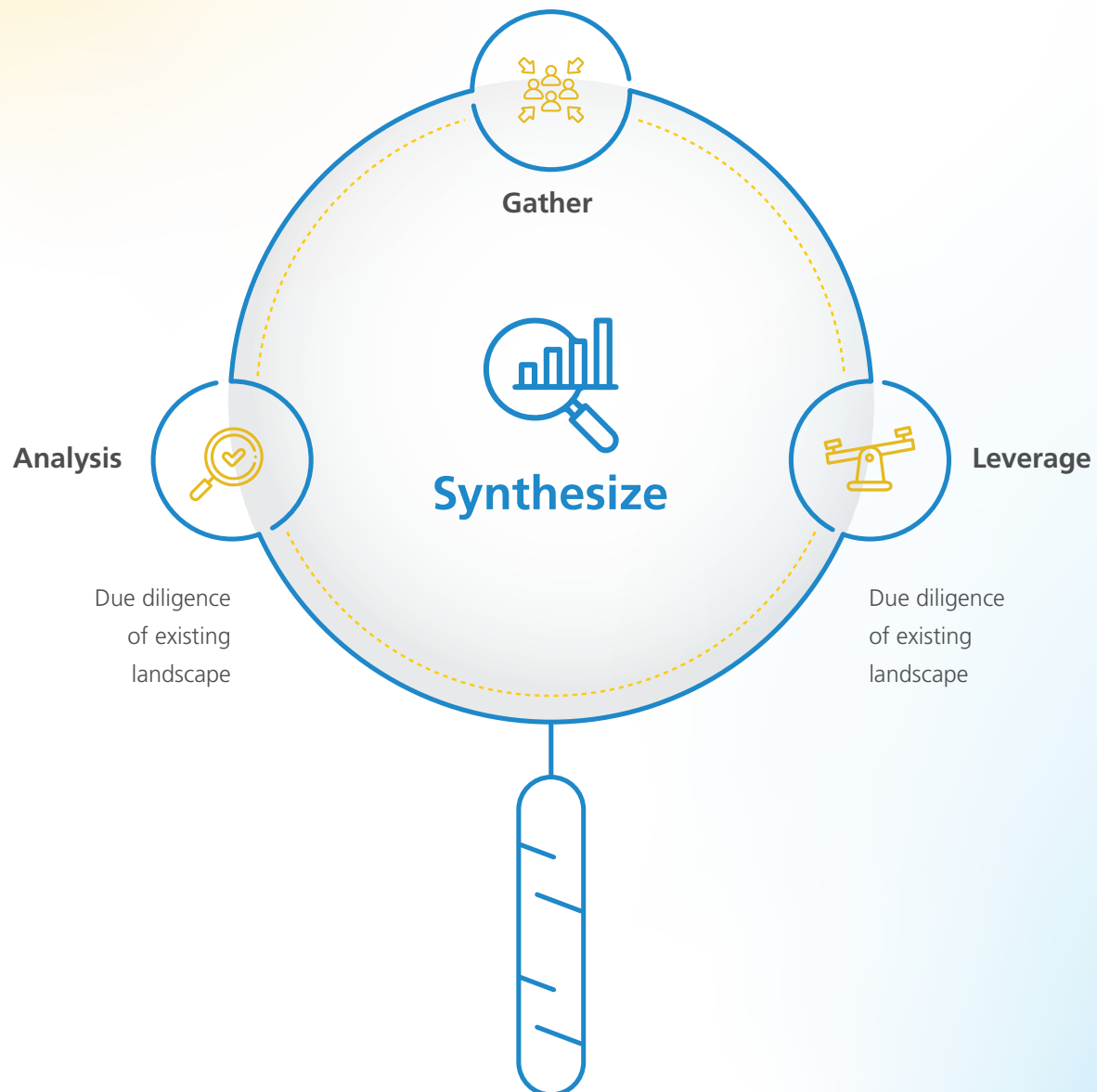
Key Features	Platform Fitment Evaluation	Assessment and RoadMap Definition	Architecture Definition

Dimensions

Speed of implementation

End state architecture

Compliance and validation

In DB lineage

Technical debt

Source system analysis

Transformation risks

Complexity overview

Analysis and Synthesis

Study of existing landscape
tech design documents

Gather

Synthesize

Analysis

Due diligence
of existing
landscape

Leverage

Due diligence
of existing
landscape
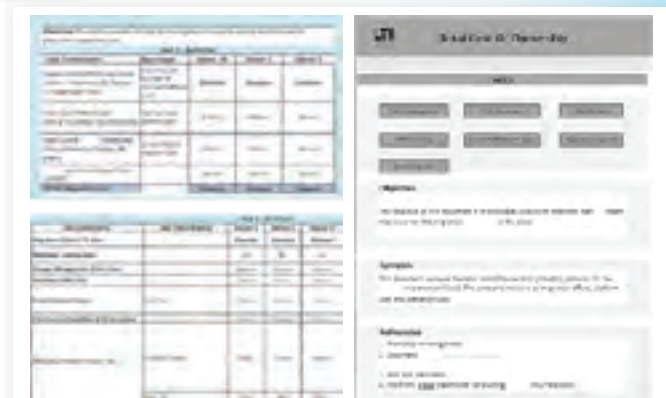
Blueprint

Solution Selection

Solution Selection
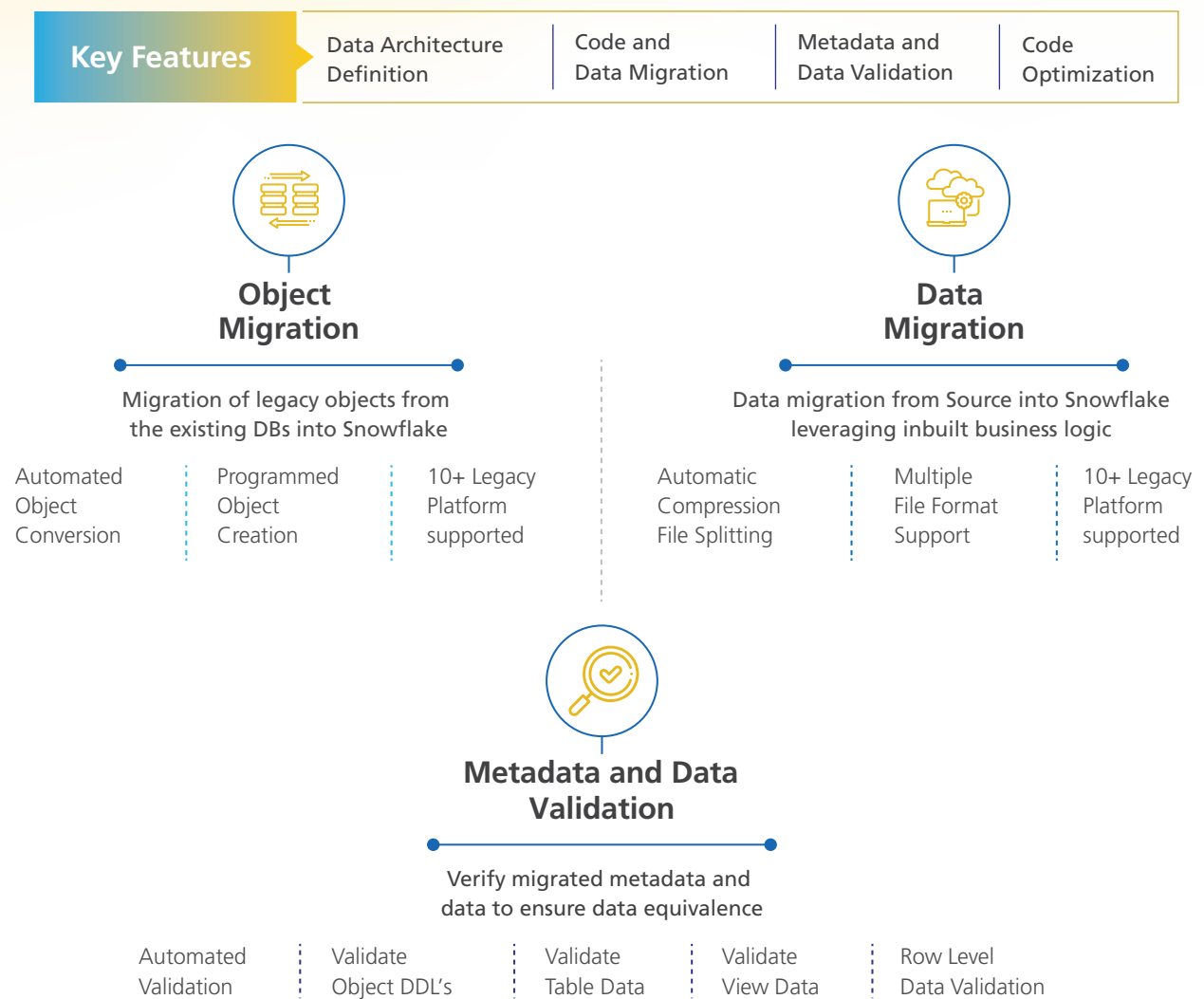

Solution Selection

Solution Selection

Cloud Migrate

End to-end automated migration toolkit to Snowflake's cloud data platform

Key Features	Data Architecture Definition	Code and Data Migration	Metadata and Data Validation	Code Optimization

Object Migration

Migration of legacy objects from the existing DBs into Snowflake

Automated Object Conversion	Programmed Object Creation	10+ Legacy Platform supported

Data Migration

Data migration from Source into Snowflake leveraging inbuilt business logic

Automatic Compression File Splitting	Multiple File Format Support	10+ Legacy Platform supported

Metadata and Data Validation

Verify migrated metadata and data to ensure data equivalence

Automated Validation	Validate Object DDL's	Validate Table Data	Validate View Data	Row Level Data Validation

60-70% Automation while migrating to Snowflake by reducing the manual effort

Cloud Govern

The platform provides a 360-degree view for Snowflake, covering multiple key aspects such as cost, performance, security, platform health, etc.

Key Features	Cost Governance Framework with Proactive Alerting	Periodic Usage Reports and Health Assessment	Security/Threat Detection and Data Quality Checks

Lighthouse

Lighthouse, a tool provided by PolarSled Govern that helps you secure your Snowflake account by giving security recommendations and detecting threats.

Daily Briefing

Get daily reports with interactive graphs showcasing daily trend and utilization on your Snowflake account.

FinOps

FinOps, a tool provided by PolarSled Govern that helps you estimate, monitor, control and optimize your Snowflake account.

PolarSled Govern

Maximize your Snowflake Utilization

Snowflake Health Index

Assess your Snowflake account health with over 100 checkpoints, spread over various domains.

Sentry

Automated alerting and proactive monitoring of your Snowflake account.

Cloud Mesh

Accelerate your journey to data-driven enterprise using PolarSled Mesh

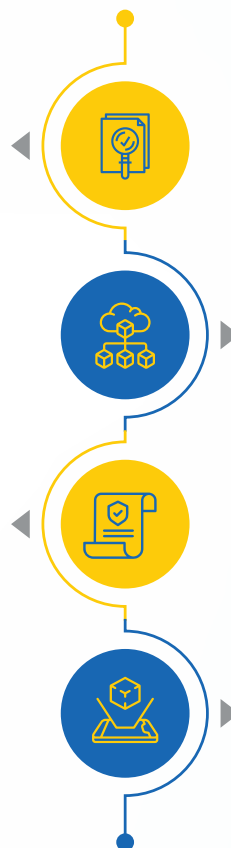| Key Features	Domain Ownership	Data As Product	Self-Service Data Platforms	Federated Computational Governance

MRAT

- Assess data mesh readiness
- Seven Dimension and 50+ KPIs for assessment
- Assess from both technical and organizational cultural perspectives

Self-Service Infra

- Auto provisioning of cloud infrastructure and services
- Automated lineage tracking Infra-as-a-code

Policy Definition

- Policy-as-a-code
- Achieve federated computational governance
- Prebuild global policies

Market Place

- One-stop-shop for all data products
- Monetize your data by leveraging data products
- Track data products usability, security, cost, observability, etc.
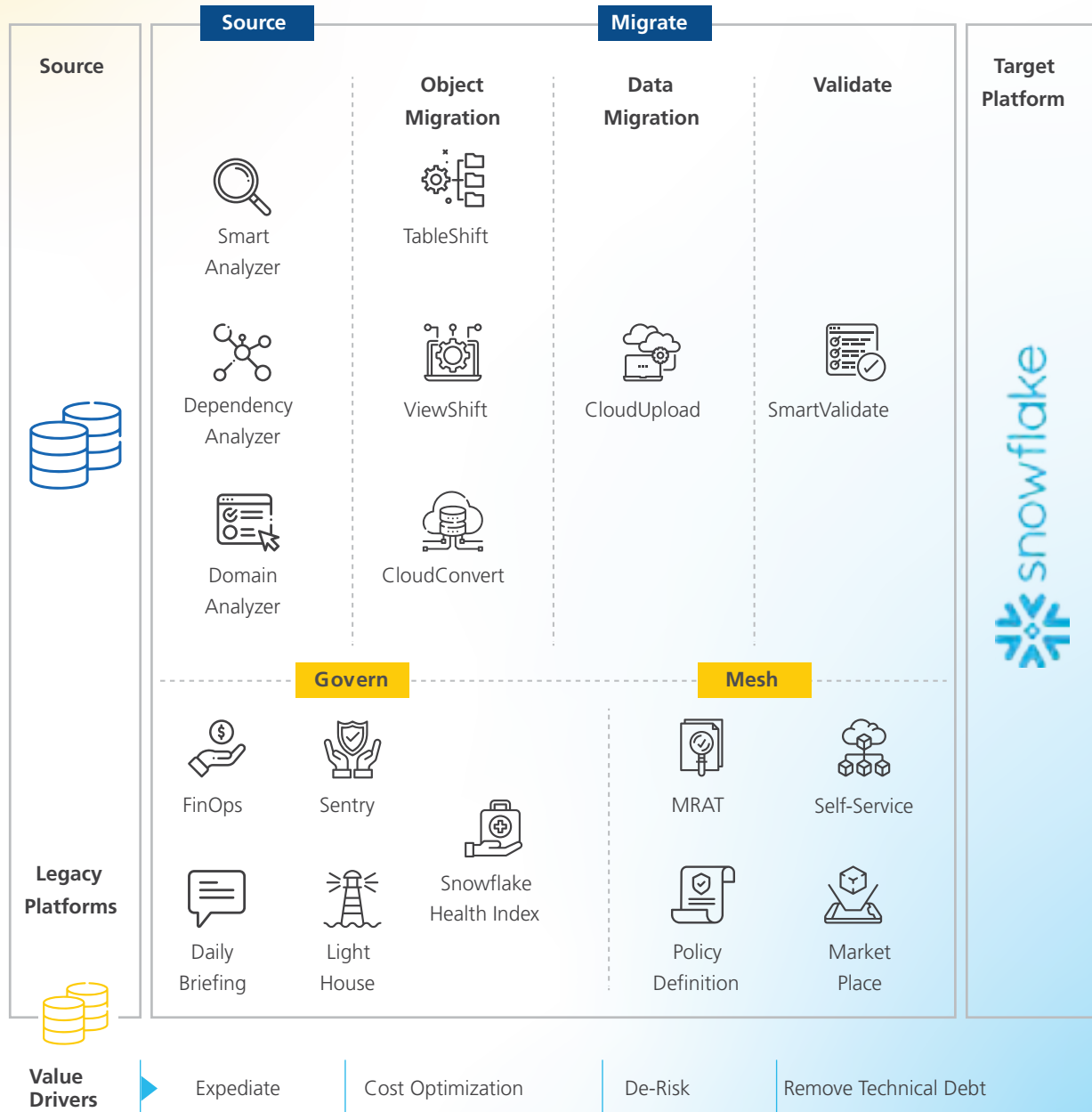
Improved Business Agility | Innovation and Data Monetization | Improved Scalability

LTIMindtree PolarSled :
Solving for the Migration Value Chain

	Source		Migrate			

Source

Source

Object Migration

Data Migration

Validate

Target Platform

Smart Analyzer

TableShift

Dependency Analyzer

ViewShift

CloudUpload

SmartValidate

Domain Analyzer

CloudConvert

snowflake

Govern

Mesh

FinOps

Sentry

MRAT

Self-Service

Snowflake Health Index

Daily Briefing

Light House

Policy Definition

Market Place

Legacy Platforms

Value Drivers ▶ Expediate | Cost Optimization | De-Risk | Remove Technical Debt