

Cloud & Data Platform Modernization

Cloud strategy, data architecture, platform engineering, migration, governance, resilience, security, analytics, and operating-model transformation for regulated financial institutions.

CORE SIGNAL

Cloud and data modernization creates value only when architecture, information ownership, controls, migration, operating practices, economics, and business use change together.



THE MANDATE

Why This Practice Matters

Financial institutions need scalable infrastructure and trusted data, but modernization must address regulatory expectations, operational resilience, legacy integration, cost transparency, and accountable ownership.

EXECUTIVE QUESTIONS

- 1 Which business services and data domains should modernize first, based on value, risk, dependency, and readiness?
- 2 Does the target platform provide reusable controls and patterns, or force every team to reinvent them?
- 3 Can data be trusted, discovered, authorized, traced, and operated as a product with accountable ownership?
- 4 How will cost, resilience, security, operations, and regulatory evidence be managed after migration?

WHO WE SUPPORT

Banks and capital-markets firms**Asset and wealth managers****Insurance and payment organizations****Risk, finance, and regulatory data teams****Enterprise architecture and platform engineering**

FINANCIAL-SERVICES TECHNOLOGY

ENTERPRISE ADVISORY

THE CAPABILITY MAP

Six Capabilities That Define the Practice

A structured view of the business, technology, data, control, and operating-model capabilities required to execute reliably.



01 Cloud Strategy & Landing Zones

Define deployment models, guardrails, identity, network, security, resilience, and service patterns.

02 Data Architecture & Products

Design domains, lakes, warehouses, meshes, products, models, metadata, and access.

03 Migration & Application Modernization

Sequence rehost, replatform, refactor, retire, integrate, test, and cut over.

04 Data Governance & Quality

Establish ownership, critical data, lineage, quality, privacy, retention, and issue management.

05 Platform Engineering & DevSecOps

Create reusable pipelines, environments, observability, controls, and developer experience.

06 Economics, Resilience & Operations

Manage FinOps, capacity, recovery, incidents, vendors, support, and service accountability.

THE PROBLEM LANDSCAPE

Where Institutions Lose Control

The recurring failure patterns that create operational risk, delivery friction, hidden cost, and weakened executive confidence.



01 Cloud as Data Centre Rental

Workloads move without changing architecture, automation, operating practices, or cost discipline.

02 Data Lake Without Ownership

Central storage grows while definitions, quality, lineage, products, and users remain fragmented.

03 Migration Factory Blindness

Factories count servers and datasets but overlook business criticality, controls, and dependencies.

04 Security as Exception

Identity, encryption, secrets, monitoring, and policy are added unevenly after teams deploy.

05 Cost Surprise

Consumption, egress, duplication, idle resources, licensing, and support undermine expected economics.

06 Resilience Assumed

Availability zones and managed services are mistaken for tested business-service continuity.

MDMI DIAGNOSTIC LENS

We test whether the modern platform can deliver trusted business services under real regulatory, security, data, cost, and resilience constraints.

THE ADVISORY OFFER

What MD Market Insights Delivers

Modular services that can be deployed independently or combined into a sequenced transformation program.



01

Cloud & Data Strategy

Define target capabilities, principles, deployment models, value cases, sequencing, and governance.

02

Target Architecture & Platform Design

Develop landing zones, data platforms, integration, security, observability, and service patterns.

03

Migration Portfolio & Factory

Assess workloads and data, map dependencies, plan waves, define controls, and govern cutover.

04

Data Governance & Products

Create domain ownership, critical data, quality, lineage, metadata, product contracts, and SLAs.

05

Platform Engineering & DevSecOps

Design pipelines, templates, testing, environments, policy-as-code, and operational telemetry.

06

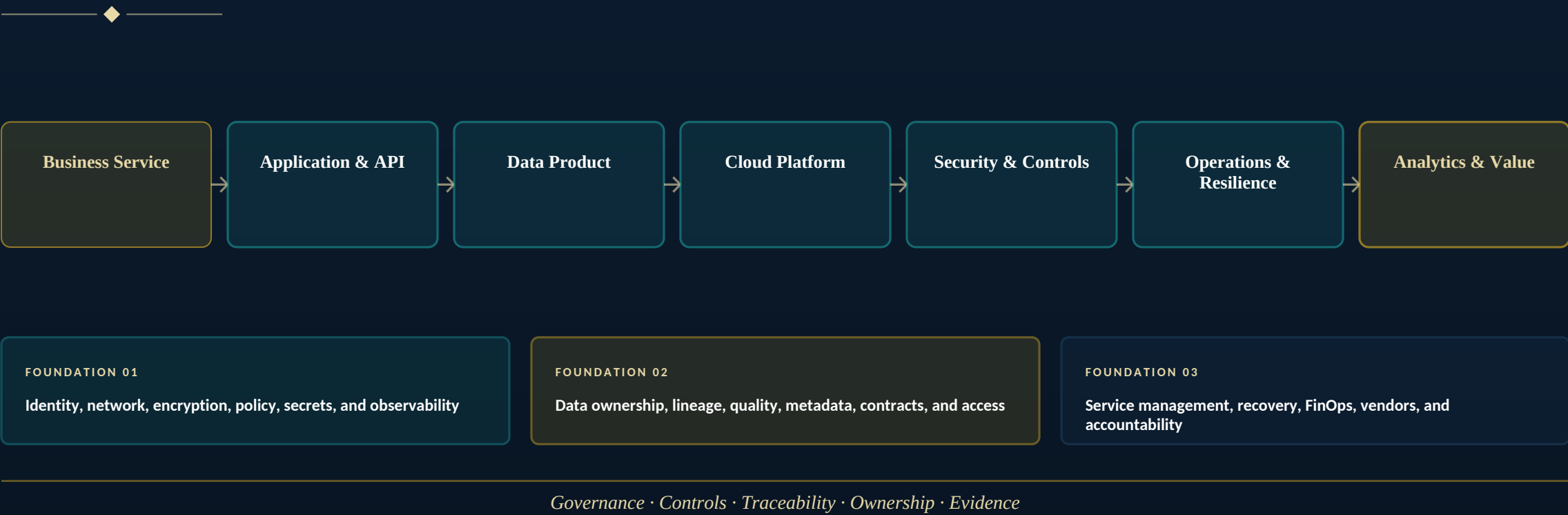
FinOps & Operational Resilience

Establish cost accountability, capacity, recovery, incident, supplier, and service governance.

THE SYSTEM VIEW

From Strategy to Controlled Execution

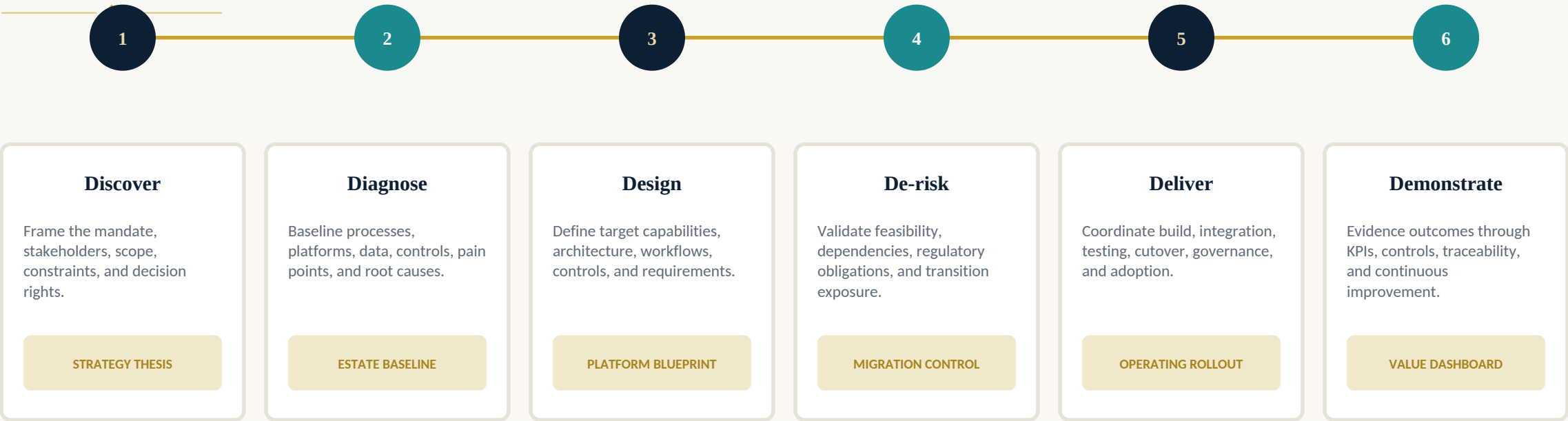
The practice is designed as an end-to-end system: decisions, workflows, platforms, data, controls, and outcomes must operate as one chain.



THE MDMI METHOD

A Six-Phase Path from Ambition to Adoption

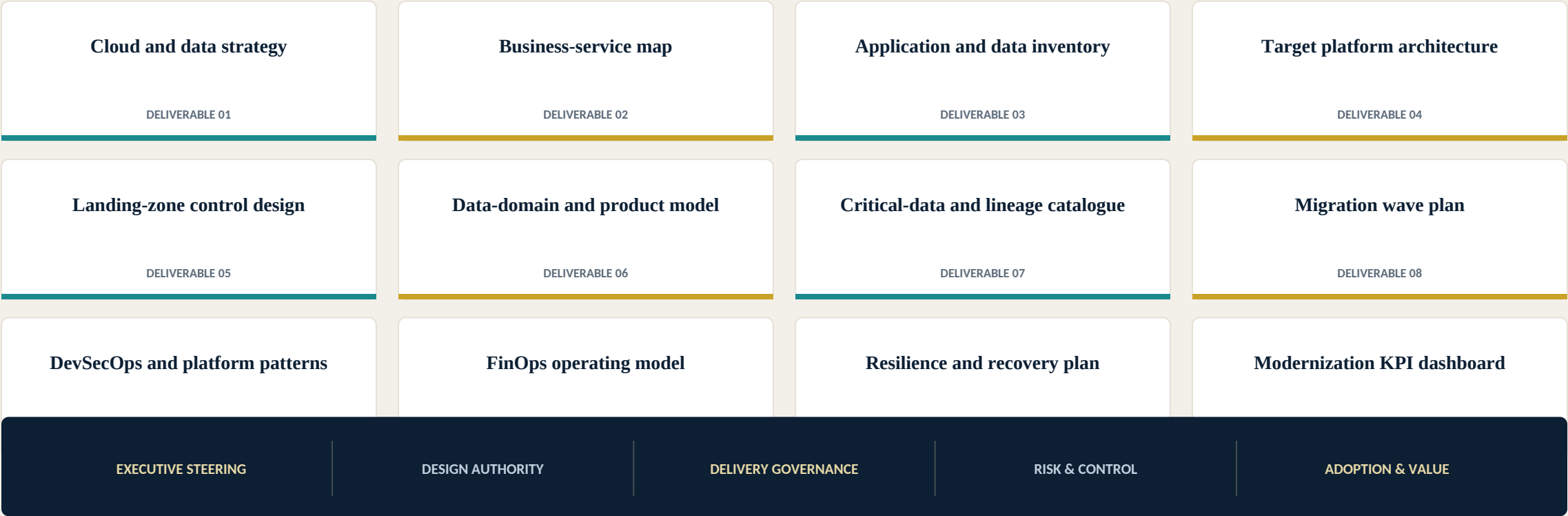
A disciplined method that converts executive intent into implementable decisions, tested capabilities, operational readiness, and measurable value.



THE WORK PRODUCT

Decision-Grade Artifacts, Not Shelfware

Every artifact is designed to drive a decision, control execution, transfer knowledge, or evidence an outcome.



THE VALUE CASE

Representative Use Cases and Success Measures

Illustrative applications showing how the practice converts complex institutional problems into controlled, measurable outcomes.



01

Risk Data Platform

Modernize ingestion, calculation, lineage, quality, aggregation, access, and regulatory evidence.

02

Cloud Migration Factory

Sequence applications and data by dependency, criticality, control, testing, and business readiness.

03

Enterprise Data Products

Create governed domain products for client, instrument, transaction, position, risk, and finance data.

04

Platform Engineering Capability

Provide secure self-service environments, pipelines, templates, observability, and policy controls.

SUCCESS MEASURES

● Migration wave success

● Platform adoption

● Data-quality score

● Lineage coverage

● Deployment frequency

● Service availability

● Recovery-test success

● Unit cost and cloud variance

BUILD THE NEXT MOVE

Turn Complex Change into Controlled Execution.

MD Market Insights helps institutions modernize cloud and data as business infrastructure - connecting architecture, migration, governance, controls, engineering, economics, resilience, and value.

OPTION 01

Diagnostic Sprint

Rapid baseline, critical risks, priority decisions, and a sequenced action plan.

OPTION 02

Advisory Workstream

Focused design or delivery support for a defined capability, platform, or control domain.

OPTION 03

Transformation Partner

End-to-end support from strategy and architecture through implementation and adoption.

