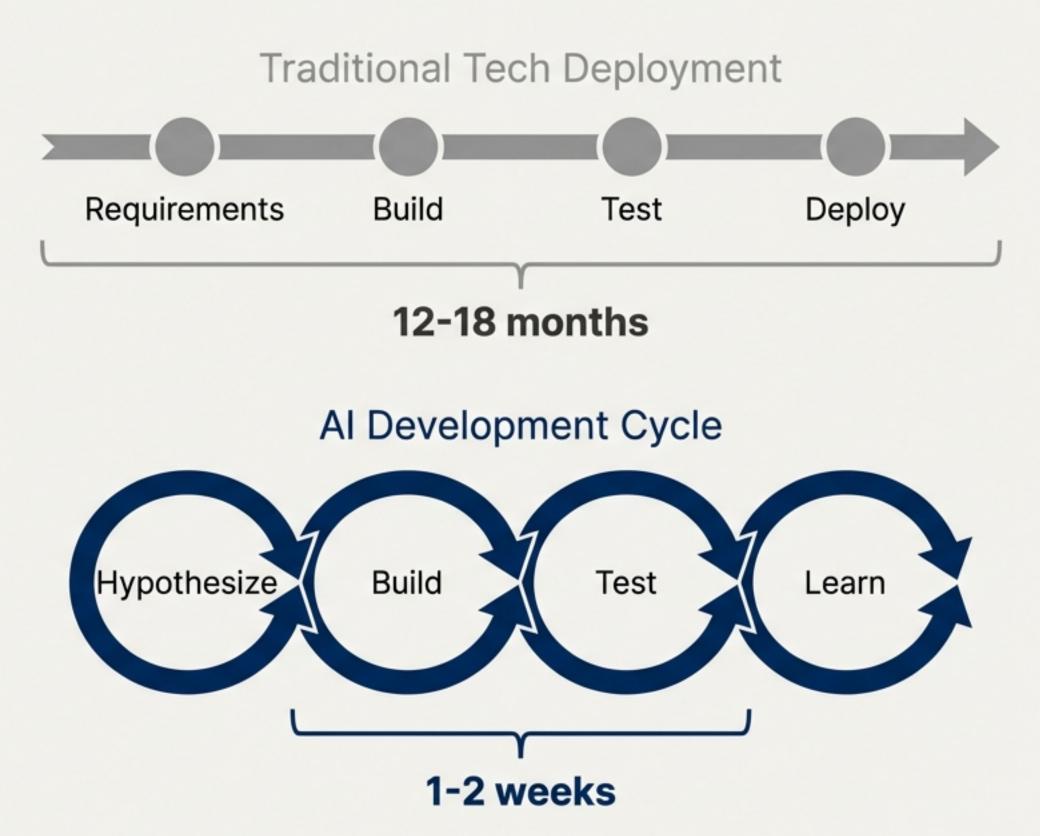


How to Unleash the Power of Small Teams Without Sacrificing Enterprise Coherence

The Pace of Al Has Broken Traditional Structures

- Generative Al and foundation models have compressed innovation cycles from years to months.
- Unlike previous technology waves, Al demands continuous experimentation and tight feedback loops.
- Rigid structures—functional silos, waterfall processes, and multilayer approval gates—are now a competitive liability. They were designed for stability, not speed.



The Emergent Playbook: Small, High-Agency Teams

The most effective response is to empower small, cross-functional teams with the authority to execute.

Key Characteristics of High-Agency Al Teams



Compositional Autonomy

3-7 members blending senior ML/AI engineers, domain experts, and product managers.



Decision Rights

Authority to select models, define metrics, and deploy to users without routine external approval gates.



Protected Time

Dedicated, full-time allocation, not part-time matrix assignments.



Resource Access

Direct budget control for compute, APIs, and necessary tooling.

Evidence of Success

Ship in Weeks, Not Quarters

Organizations report shipping production Al applications in weeks, not quarters.

Higher Production Adoption

Moving from proof-of-concept to operational use at a significantly higher rate.

ROI Driven by Speed

Reducing time-to-value from 12 months to 3 months is the primary driver.

Scaling Autonomy — Creates a Dangerous Dilemma

Bureaucratic Stagnation



Reverting to command-and-control structures kills the very agility that made initial projects successful.

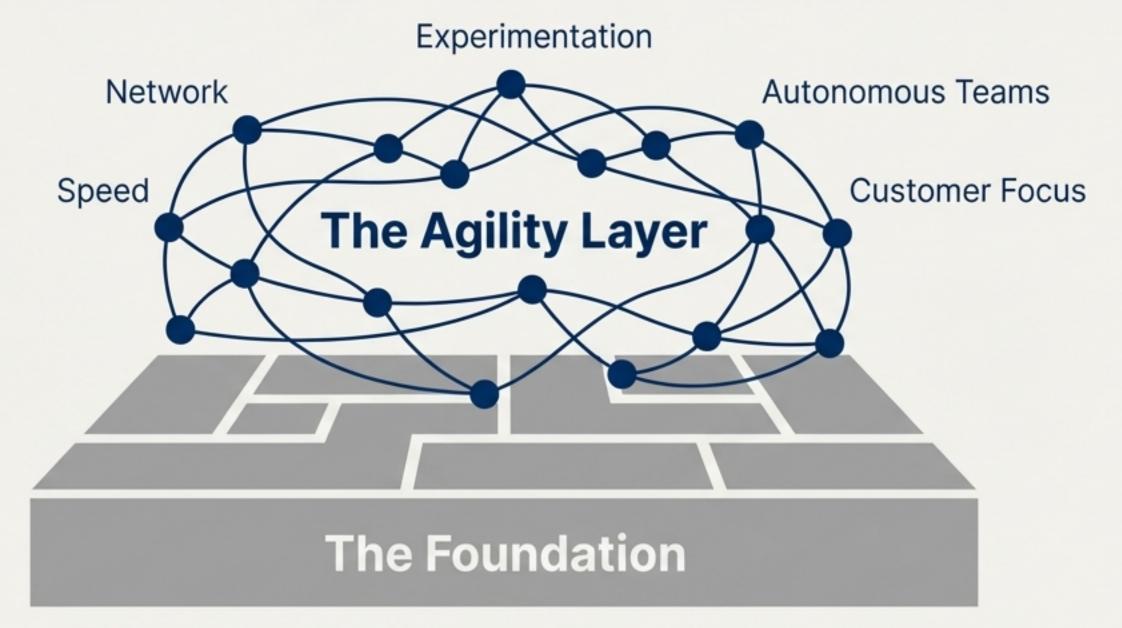
Uncoordinated Chaos



Proliferating teams without coordination leads to duplicated effort, fragmented standards, and misallocated scarce Al expertise.

How do we scale the benefits of autonomy without descending into chaos?

The Resolution: A Dual Operating System



choose between speed and stability, but to design for both.

The solution is not to

This model preserves team autonomy for execution (Agility Layer) while building the connective tissue for enterprise-level coherence and capability (The Foundation).

Hierarchy, Stability, Scale, Shared Resources, Governance

Build a Platform to Make the Right Path the Easy Path

Problem

Inconsistent tooling and duplicated infrastructure across teams create friction and waste.

Key Components



Curated Model Library



Automated Deployment Pipelines (with embedded security/compliance)



Federated Data Catalog



Shared Experiment Tracking

Solution

A Transparent Platform & Standards Strategy
Provide pre-approved, shared infrastructure that
handles undifferentiated heavy lifting (deployment,
monitoring, compliance) while preserving team flexibility.



Implemented a shared AI platform for multiple autonomous teams.

"Substantially reduced duplicated infrastructure work while maintaining team velocity."

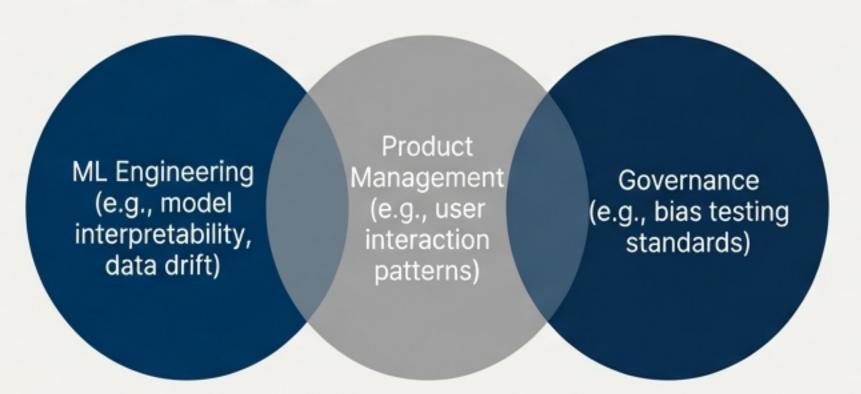
Foster Distributed Coordination via Guilds

Problem: Expertise becomes siloed and mistakes are duplicated when teams operate in isolation.

Solution:

Establish Guilds (Communities of Practice). These are horizontal, voluntary forums that span autonomous teams to facilitate knowledge exchange without creating approval bottlenecks.

Common Guilds in Al



Proof Points



Action: Established Al guilds to coordinate on challenges like regulatory compliance.

Result: Prevented architectural fragmentation while preserving decision speed.



Action: Uses technical forums for drug discovery Al teams.

Result: Reduced duplicated research effort as teams learn

from each other's work.

Define Who Decides What with Explicit Authority Matrices

Problem Solution

Ambiguity about decision rights systematically undermines team performance and creates delays.

Establish Clear Decision Rights Frameworks.
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Formally define team authority boundaries and escalation paths using written team charters.

Decision Tiers (Example)



Proof Point



Action:

Implemented detailed decision rights with defined risk thresholds.

Result:

"Substantially reduced approval cycle time while maintaining appropriate oversight."

Allocate Scarce Resources Through Transparent Mechanisms

Problem: As teams scale, competition for talent, compute, and data intensifies, leading to political battles and inefficiency.

Solution: Implement Resource Brokering & Market-Inspired Allocation. Move away from committee-based planning to transparent systems.

Effective Patterns



Transparent capacity dashboards (for compute, expert availability)



Time-boxed resource allocation (e.g., guaranteed access for defined sprints)



Internal service marketplaces

Proof Point



Action: Manages compute resources via a combination of reserved and spot capacity.

Result: Surfaced the highest-value use cases, leading to more efficient allocation than previous committee-based approaches.

Turn Individual Lessons into Institutional Knowledge

Problem

Valuable experience and lessons learned remain trapped within individual teams, preventing organizational learning.

Practices That Scale

- Rotation programs between teams
- Internal tech talks and paper reviews (recorded and archived)
- Shared, searchable incident databases and post-mortems
- "Office hours" with platform and domain experts

Solution

Design Deliberate Knowledge Circulation Mechanisms. Combine "push" (easy sharing) and "pull" (discoverable repositories) approaches.

Proof Point



Action: Implemented monthly "Al Showcase" sessions where teams present both successes and failures.

Result: Ideas from showcases frequently influence the direction of subsequent projects across the organization.

Evolve from Gate-Based Reviews to Federated Governance

The Challenge

Traditional, pre-deployment governance is insufficient for Almodels that learn and drift over time.

The New Model: Continuous Compliance

- Automate Guardrails:
 - Embed compliance, bias, and fairness tests directly into deployment pipelines.
- Monitor Outcomes, Not Activities:

Use real-time dashboards to track model behavior in production and intervene by exception.

Tier Governance by Risk:

Apply rigorous oversight to high-stakes applications (e.g., credit decisions) and minimal review to low-stakes ones.

JP.Morgan Chase 🗘

Action:

Implemented a federated Al governance framework with risk tiers and automated tooling.

Result: Maintained compliance standards while "significantly reducing average approval cycle time for medium-risk models."

Shift from Annual Plans to Distributed Strategic Coherence

The Challenge

Annual planning cycles are too slow for Al's rapid evolution; a strategy set in January may be obsolete by June.

The New Model: Continuous Strategy

- Quarterly Strategic Themes: Set broad organizational priorities (e.g., "improve customer retention") that guide, but don't prescribe, team projects.
- Focus on Outcomes, Not Outputs: Teams align to business outcomes (e.g., "reduce churn by 15%") and have freedom to find the best Al solution.
- Use Teams as Strategic Sensors: Create channels for upward-flowing intelligence from teams about new opportunities and threats.

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Action: Leadership sets quarterly strategic priorities; teams self-organize and propose initiatives to address them.

Result: Maintains strategic coherence while preserving team autonomy by operating at different levels of abstraction.

Treat Architecture and Data as Products with Active Stewardship

The Challenge

Uncoordinated teams will naturally fragment technical architectures and data practices.

The New Model: Attract, Don't Mandate

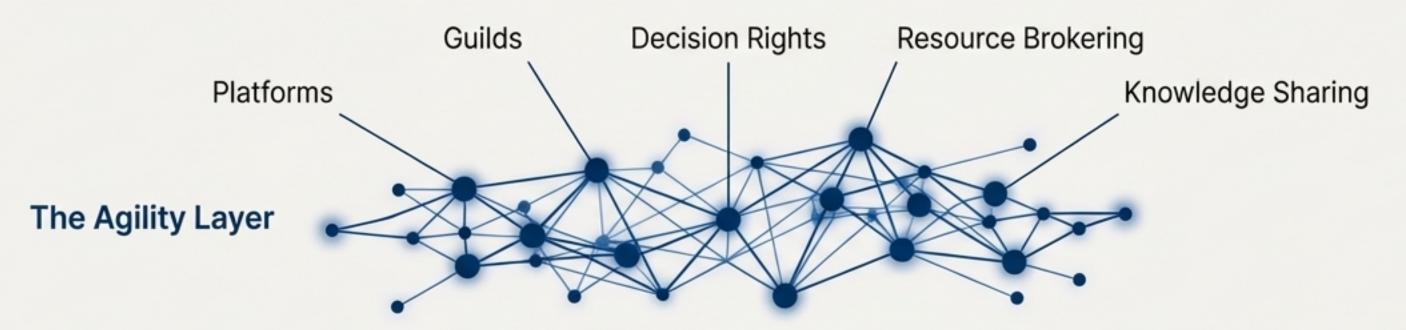
- Evolutionary Architecture: Platform teams build attractive, reusable components (e.g., feature stores, model serving infrastructure). De facto standards emerge through voluntary adoption.
- Data Mesh Principles: Treat data as a product owned by the domain team that creates it. That team is responsible for publishing it in a usable, documented, and discoverable form for others.



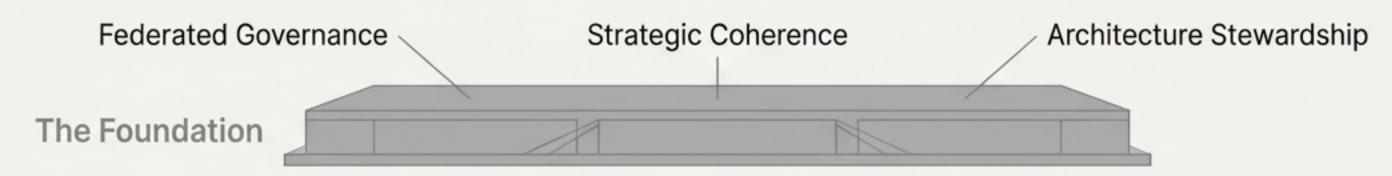
Action: The central AI platform team (Einstein) actively evolves its offerings based on feedback from autonomous product teams.

Result: High adoption of shared infrastructure through choice, not mandate, creating a virtuous cycle of improvement.

The Dual Operating System: Agility and Coherence in Action



These mechanisms form the connective tissue.



These capabilities provide stability and scale.

Key Takeaway: Preserve team-level speed and creativity while building the institutional capabilities for enterprise-wide coordination.

The Leader's Imperatives for the Al Era

Mastering this balance requires a deliberate shift in leadership focus. Four imperatives are critical:

- Invest in Platforms Before Scaling Teams. The shared infrastructure that enables autonomy without chaos must precede or accompany team proliferation.
- Make Coordination Opt-In and Valuable. Design guilds, forums, and standards that teams use because they help them move faster, not because they are mandated.
- Evolve Decision Rights as Context Changes. The boundary between team autonomy and escalation is not static. Review and adjust decision frameworks quarterly.
- Measure Coordination Quality, Not Just Team Velocity. Track reuse of shared components and duplication rates. An organization can suboptimize while individual teams appear productive.

"The window for getting this right is measured in quarters, not years."