fintastic

Fintastic Platform Architecture:

Performance and Technical Foundations for Enterprise Planning

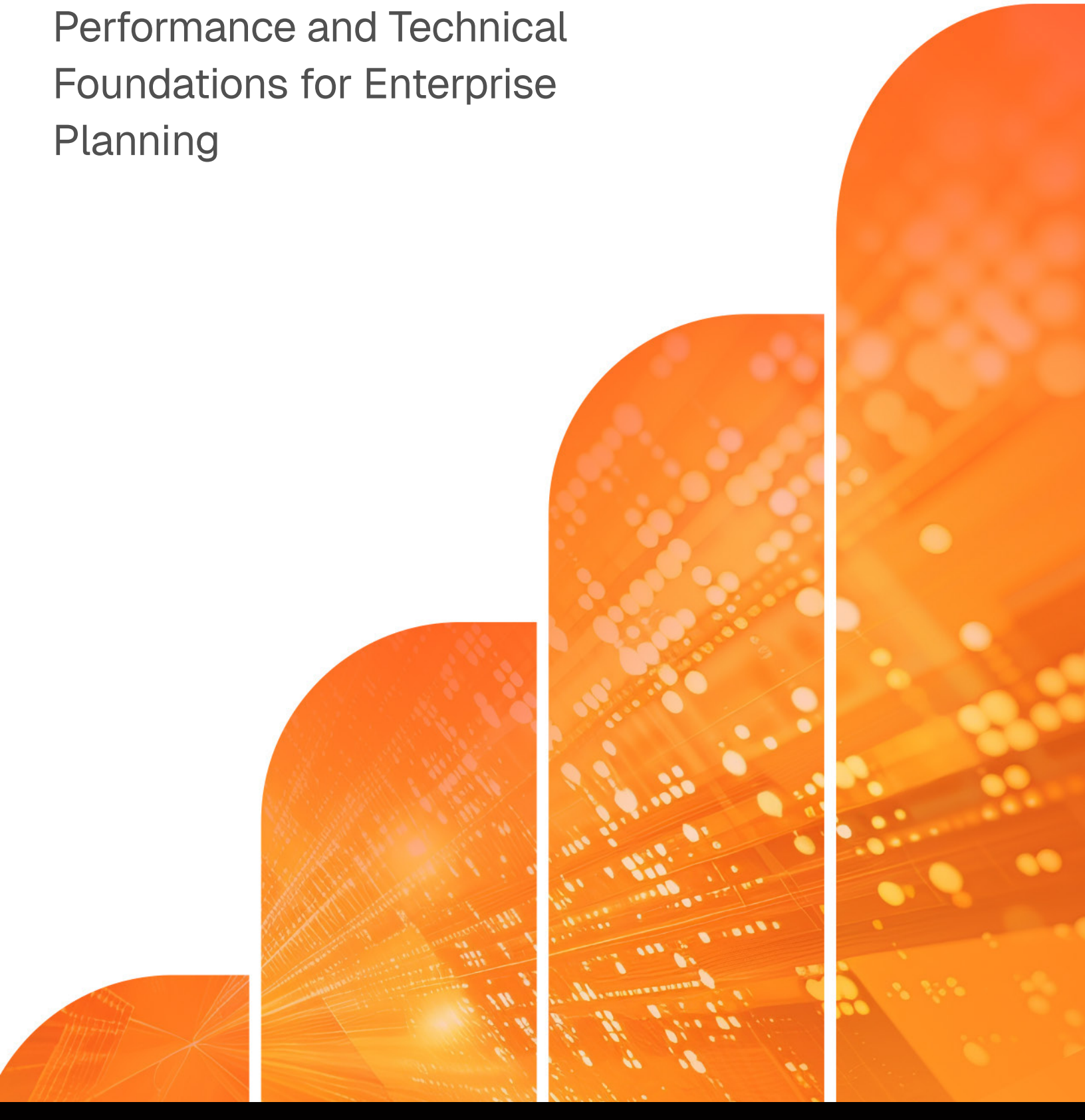
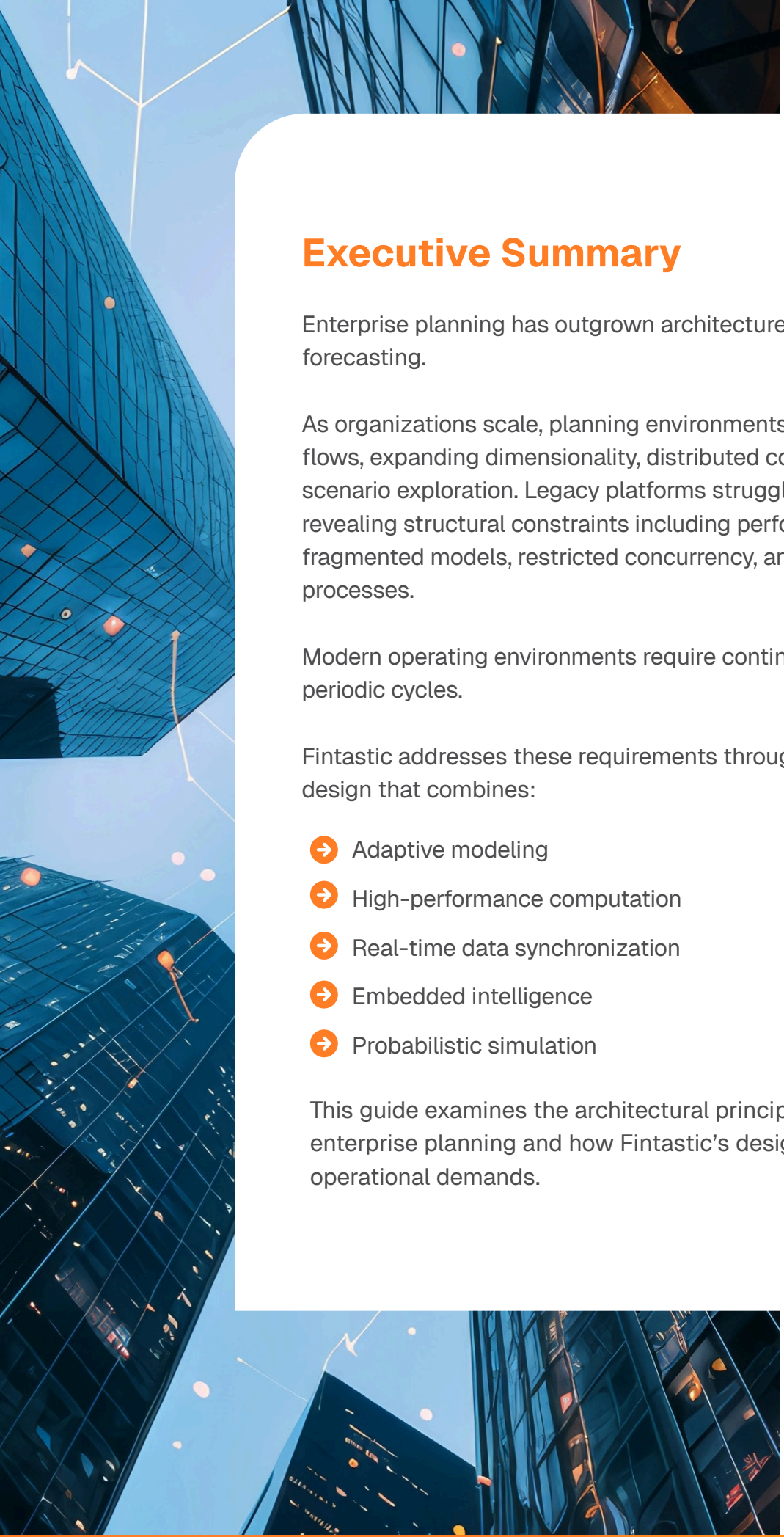


Table of Contents



Executive Summary

Enterprise planning has outgrown architectures designed for periodic forecasting.

As organizations scale, planning environments must support real-time data flows, expanding dimensionality, distributed collaboration, and continuous scenario exploration. Legacy platforms struggle under these conditions, revealing structural constraints including performance degradation, fragmented models, restricted concurrency, and reliance on batch data processes.

Modern operating environments require continuous planning rather than periodic cycles.

Fintastic addresses these requirements through an architecture-first design that combines:

- Adaptive modeling
- High-performance computation
- Real-time data synchronization
- Embedded intelligence
- Probabilistic simulation

This guide examines the architectural principles shaping next-generation enterprise planning and how Fintastic's design aligns with emerging operational demands.

01 The Structural Evolution of Enterprise Planning

Planning platforms historically evolved around structured financial workflows such as budgeting and reporting. These architectures assumed controlled cycles and relatively stable organizational structures.

Modern enterprises require planning environments capable of modeling operational complexity, incorporating live signals, supporting concurrent collaboration, and enabling rapid scenario iteration.

Legacy architectures often fail under these conditions due to:

- Dimensionality limits and model size constraints
- Performance degradation at scale
- Model fragmentation introduced to maintain usability
- Limited parallel scenario exploration

These constraints force planning teams into workarounds that reduce visibility and slow decision-making.

02 Architectural Principles for Continuous Enterprise Planning

Modern enterprise planning converges around five architectural principles:

01 Adaptive modeling architectures that represent real operational structures.

02 High-performance computational frameworks supporting large-dimensional datasets.

03 Continuous synchronization between operational systems and planning environments.

04 Embedded intelligence layers enabling direct interaction with planning models.

05 Probabilistic forecasting approaches replacing single-point estimates.

Fintastic's architecture integrates these principles into a unified platform designed to eliminate structural limitations while maintaining governance and performance.

03 Fintastic Enterprise Planning Architecture

Adaptive Modeling Architecture

Traditional planning platforms impose structural constraints that require organizations to reshape workflows around system limitations. Fintastic's modeling engine enables organizations to represent real-world processes directly, allowing models to evolve alongside operational complexity.

Capabilities	Result
Support for arbitrary dimensionality	Reduced need for structural redesign
Flexible schema design	Alignment between planning models and operational reality
Absence of rigid modular requirements	

Independent Versioning and Parallel Scenario Exploration

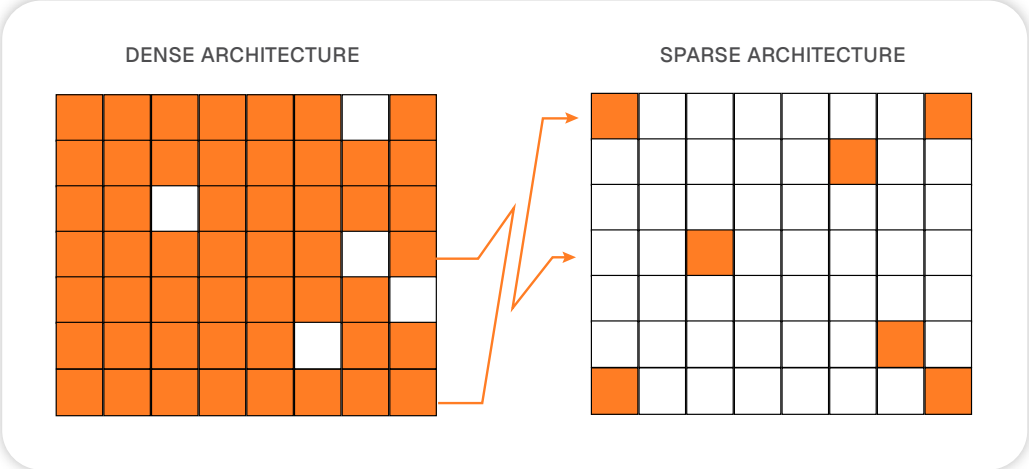
Continuous planning requires experimentation without operational risk. Fintastic provides isolated execution environments for each version, enabling parallel workflows without user lockouts.

Capabilities	Result
Independent memory and logic structures	Safe experimentation
Parallel updates across multidimensional views	Parallel planning workflows
Unlimited isolated scenarios	Increased strategic flexibility

High-Performance Computational Framework

Maintaining performance at enterprise scale requires architecture designed for large-dimensional datasets. Fintastic uses a dual-engine execution model that dynamically selects optimal computation paths based on data characteristics.

Capabilities	Outcome
Optimization for dense and sparse structures	Stable performance as complexity grows
Unified execution across entities	Reduced need to fragment models
Automatic schema selection	Consistent recalculation performance



Embedded Intelligence Layer: Smartastic

Fintastic embeds AI directly within the architectural layer, enabling natural interaction with planning models while maintaining alignment with underlying logic and data structures.

Capabilities	Result
Natural language interaction	Faster access to insights
Structural model awareness	Reduced reliance on specialized analysts
Automated insight generation	Improved accessibility across user roles

Real-Time Data Architecture

Modern planning requires alignment with live operational conditions. Fintastic integrates continuous synchronization into its architecture, maintaining planning environments in a continuously current state.

Capabilities	Outcome
Incremental updates from ERP, CRM, HRIS, and data warehouses	Reduced reliance on batch ETL processes
Targeted recalculation triggered by data changes	Improved transparency and coordination
Transaction-level drill-down	

Probabilistic Simulation and Scenario Analysis

Single-point forecasts are insufficient in volatile operating environments. Fintastic integrates probabilistic simulation directly into planning workflows.

Capabilities	Outcome
Large-scale simulation runs	Probability-based forecasting
Sensitivity analysis across variables	Improved risk visibility
Identification of influential assumptions	Stronger strategic planning

Planning Teams Powered by Fintastic

priceline · agoda · o9 · Best Egg · CLAROTY · Gigamon® · Artlist · WNDRVR

04 Enterprise Performance and Operational Capabilities

Enterprise Performance Characteristics

Fintastic is designed to maintain performance under conditions that commonly challenge legacy platforms:

- Large-dimensional models
- High user concurrency
- Continuous data updates
- Extensive scenario exploration

Key characteristics include:

- Stable performance at enterprise scale
- Unlimited isolated scenarios
- Continuous responsiveness during processing

05 Governance and Security Architecture

Governance and security are embedded directly within the platform design.

Capabilities include:

- Cell-level permissions
- Column masking
- Full audit trails
- Role-based access controls
- Version isolation
- SSO integration

Security certifications and practices:

- SOC 2 Type II
- ISO 27001
- AWS infrastructure
- Encryption in transit and at rest
- Continuous monitoring and backup processes

06 Roadmap: What the Architecture Unlocks

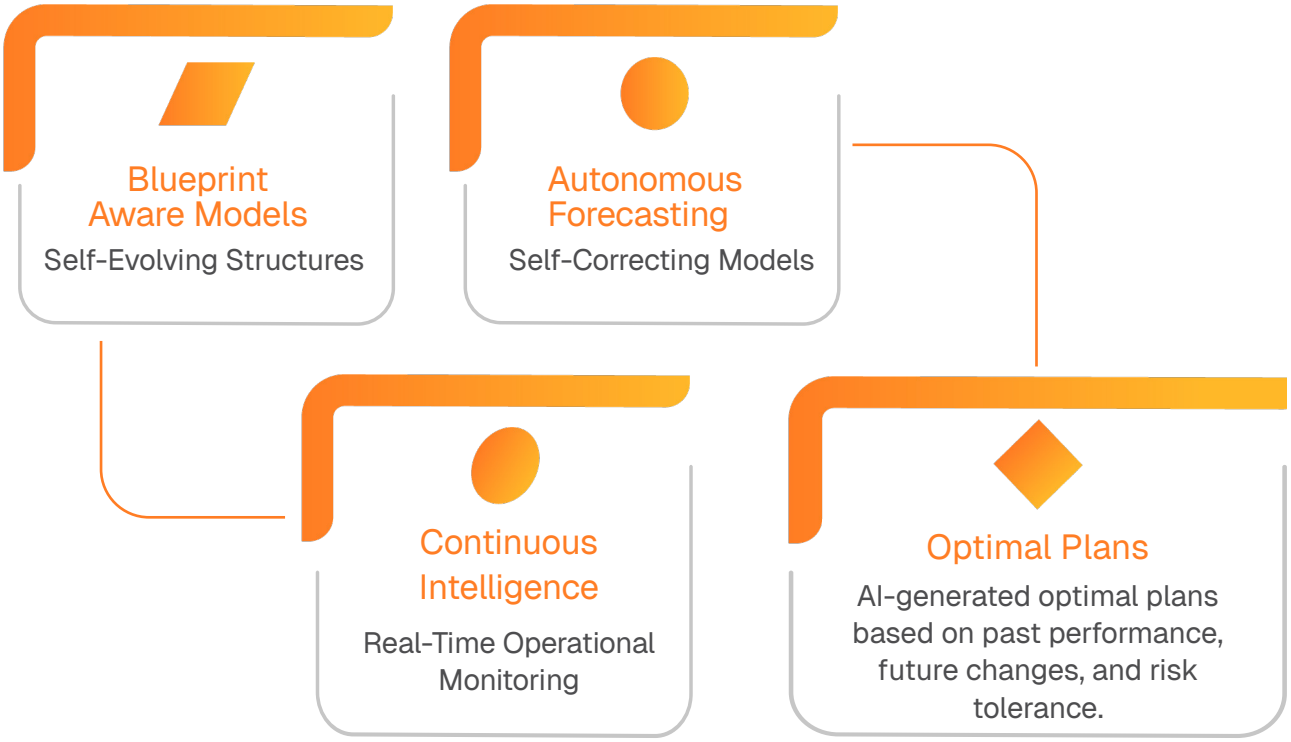
Planning platforms are shifting toward integrated intelligence environments combining modeling, real-time data synchronization, and AI-driven interaction. Fintastic's roadmap advances this evolution through native AI agents that assist with model construction, structural optimization, and planning automation.

Native Agents

AI that works inside the model.

- Generate formulas based on natural language instructions.
- Understand existing model structures .
- Suggest structural improvements.
- Accelerate deployment with consistent, error-free logic.

Business Impact: Model creation is faster, more accessible, and less dependent on technical specialists.



Conclusion

Enterprise planning is shifting from static forecasting systems toward continuous, intelligent planning environments.

Fintastic's architecture aligns with this evolution by combining adaptive modeling, high-performance computation, real-time data integration, embedded intelligence, and probabilistic simulation into a unified platform designed to operate without structural constraints.

See how Fintastic supports complex planning at scale.

Our team can review your model structure, performance constraints, and scenario workflows to show how Fintastic supports complex planning at scale.

Request your architecture fit review

fintastic