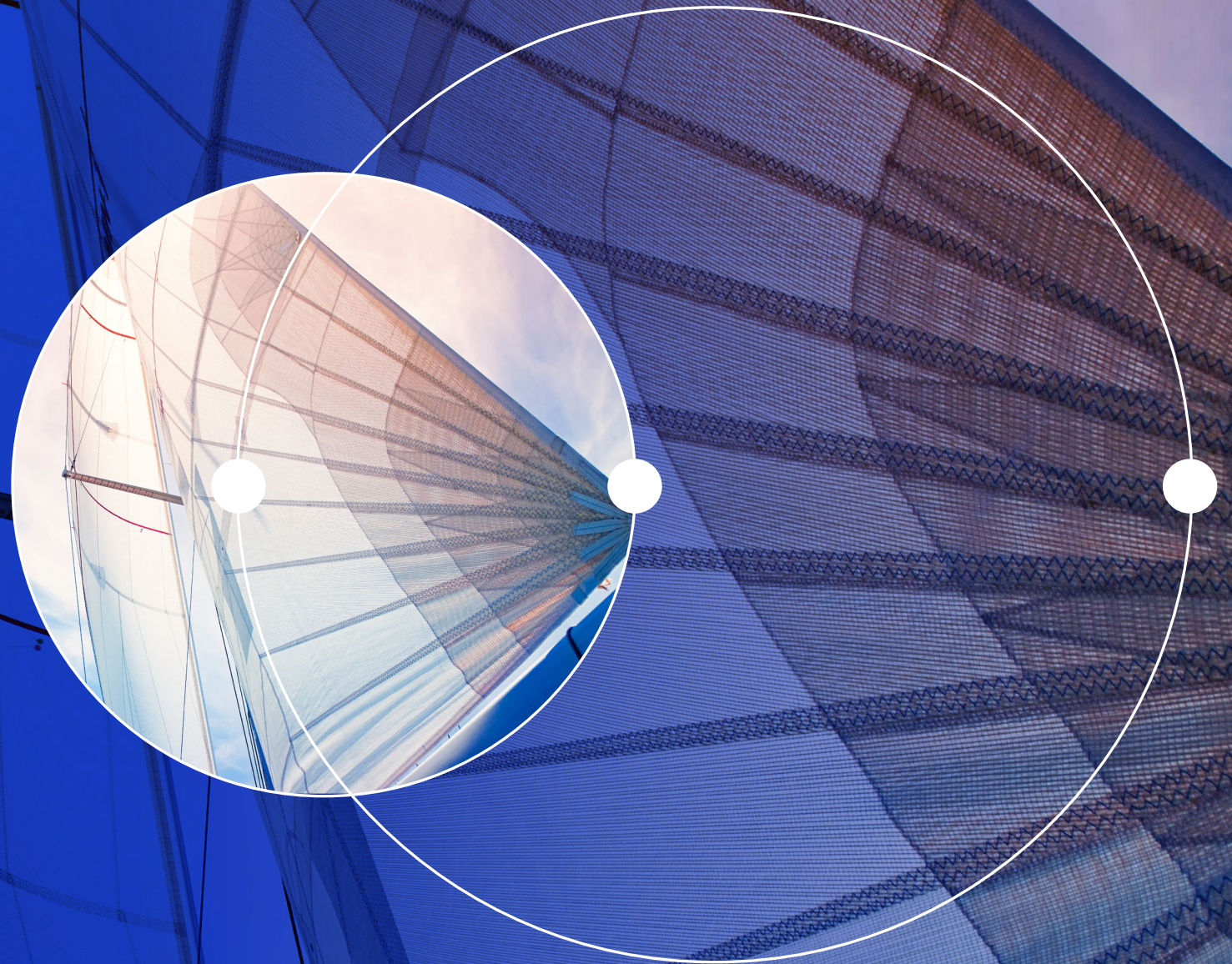




MSCI Multi-Asset Class analytics – in your infrastructure

Allocate capital across your whole portfolio
with greater confidence

For Asset Owners



Asset owners are managing more capital across more asset classes than ever before, but much of the infrastructure they rely on wasn't built to handle this complexity. With key insights spread across isolated systems and reliant on external data sharing, it can be hard to gain a clear view of your investment universe.

Our multi-asset-class solutions are designed to integrate directly into your existing systems, making it easier to access the information that matters and support capital allocation, implementation and monitoring capital with confidence.

Challenges every investment and risk team recognises

- **Fragmented coverage across complex portfolios** – Balancing risk and return consistently across asset classes — each with its own universe of instruments, markets and risk drivers — within a single coherent framework is a challenge that many existing infrastructures are not designed to address.
- **Rising governance and accountability expectations** – CIOs and CROs have a demanding mandate: deliver the returns needed to meet funding obligations, often through complex multi-asset strategies, while ensuring every decision is transparent and defensible. But fragmented data and inconsistent methodologies can limit the extent to which processes are auditable, which governance frameworks and beneficiaries increasingly expect.
- **Data sovereignty as a strategic imperative** – In many jurisdictions, sovereign wealth funds and pension plans cannot expose sensitive position data externally. Accessing third-party models through conventional means can introduce confidentiality and governance consideration for institutions operating under strict data sovereignty mandates.





A unified foundation for the total portfolio

Our MAC solutions are designed to embed institutional-grade, multi-asset analytics into your existing infrastructure, applying a consistent framework across asset classes, while maintaining data sovereignty or operational control.

Always-on risk intelligence - Risk analytics are available where and when allocation decisions are being made — and can be embedded directly into your workflows.

One total portfolio framework - A single, consistent MAC factor framework spans public and private assets, enabling coherent exposure measurement and factor transparency at the whole-fund level.

Full data sovereignty by design - The client-hosted risk library runs entirely within your own infrastructure. Institutional-grade analytics are accessible without requiring external sharing of position data.

Governance-ready, auditable infrastructure - A consistent MSCI methodology across every asset class is designed to support the transparency, auditability and defensibility that CIO and CRO offices typically require.

Modular building blocks, tailored to your investment process

Where each solution fits in your investment process

Solutions	Asset Allocation	Portfolio Construction	Hedging	Risk Management
Factor Models				
MAC Factor Models	●	●	●	●
Calculation Engines				
Instrument Analytics	●	●	●	●
Portfolio Risk	●	●	●	●
Optimizer	●	●		





Factor Models - Delivered via FTP or Flat files and Snowflake

MAC Factor Models

A unified factor framework spanning equities and fixed income, delivering consistent risk measurement across the total portfolio within a single multi-asset-class model. Delivered natively via Snowflake, it embeds directly into existing asset allocation and risk workflows without platform replacement.

Data - Delivered via FTP or Flat files and Snowflake

Pre-calculated Exposures

Pre-calculated Exposures for 300,000+ instruments via Snowflake enables fast on-boarding of MSCI's Factor Models for risk and portfolio construction use cases including backtesting and time series analysis.

Calculation Engines – Can be installed locally or accessed via API

Portfolio Risk

A validated analytics library embedding MSCI's core risk calculation engine — directly into your own infrastructure. Delivers institutional-grade analytics with full data sovereignty and no external transmission of position data.

Instrument Analytics

As portfolios expand into complex instruments where pre-calculated exposures fall short, Instrument Analytics generates on-demand exposures across 60+ instrument types, providing the consistent, instrument-level foundation needed to embed accurate risk insight across the full investment universe into allocation and risk management workflows.

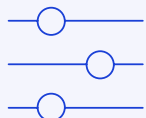
Optimizer

Automate aspects of asset allocation and portfolio construction across asset classes using MSCI's proprietary optimization solvers. Deployable within the client-hosted risk library for intraday allocation simulation with full data sovereignty.



What You Gain

Faster, more confident allocation decisions



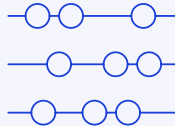
Intraday, cross-asset risk and return insight embedded in your workflows designed to enable CIO and asset allocation teams to act with clarity and conviction

Total portfolio consistency



A single factor framework across public and private assets designed to reduce fragmentation and supports coherent, whole-fund risk oversight

Governance and auditability



Consistent MSCI methodology and transparent factor decomposition support the defensible decision-making that governance frameworks demand

Unconditional data sovereignty



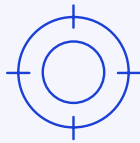
Analytics designed for institutional investment processes run within your own infrastructure, so sensitive position data remains within your environment

Reduced operational burden



Pre-calculated exposures and actively updated issuer curves eliminate the cost and complexity of in-house builds across fixed income

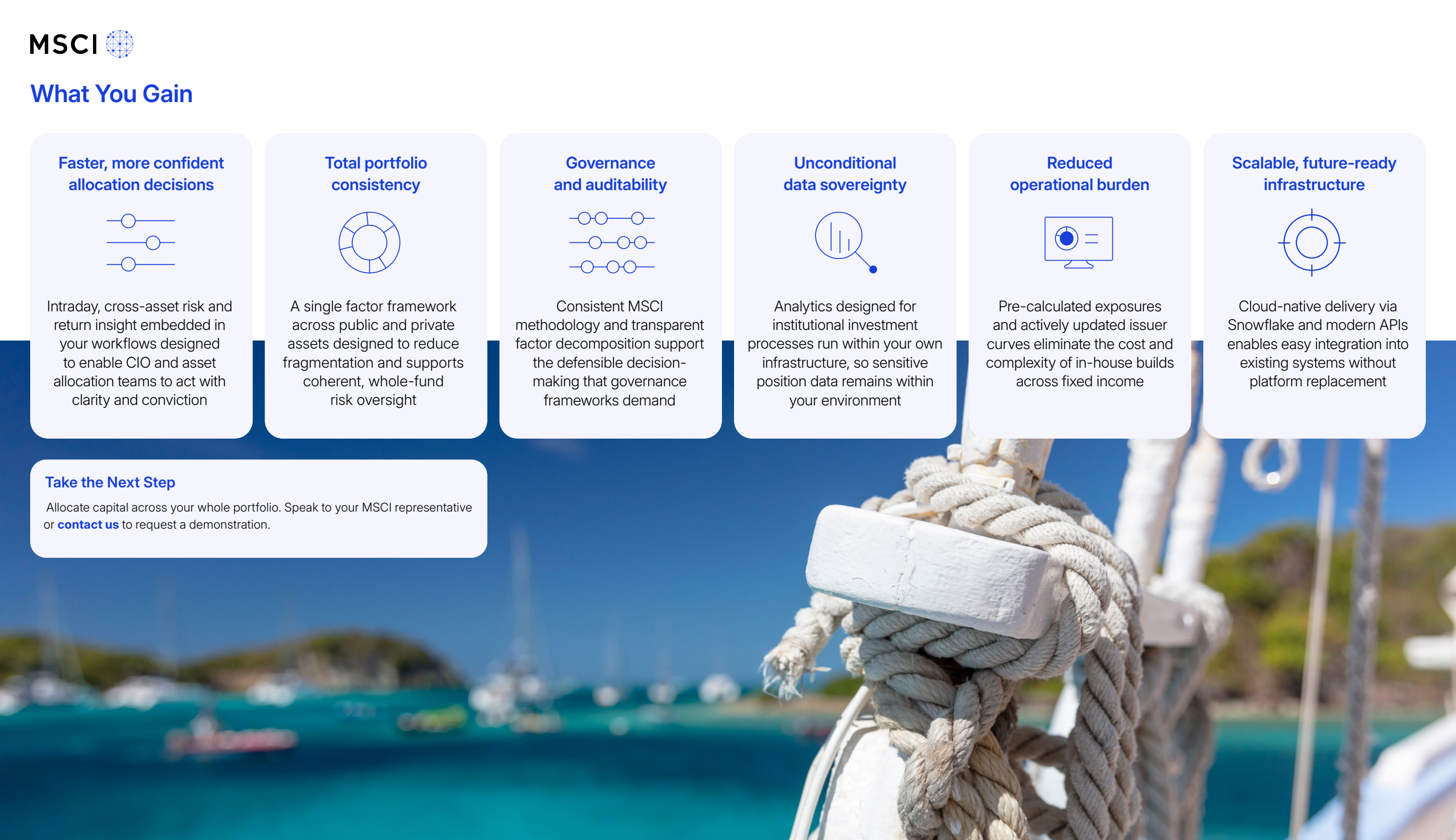
Scalable, future-ready infrastructure



Cloud-native delivery via Snowflake and modern APIs enables easy integration into existing systems without platform replacement

Take the Next Step

Allocate capital across your whole portfolio. Speak to your MSCI representative or **contact us** to request a demonstration.





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About MSCI

MSCI (NYSE: MSCI Inc.) strengthens global markets by connecting participants across the financial ecosystem with a common language. Our research-based data, analytics and indexes, supported by advanced technology, set standards for global investors and help our clients understand risks and opportunities so they can make better decisions and unlock innovation. We serve asset managers and owners, private-market sponsors and investors, hedge funds, wealth managers, banks, insurers and corporates.

To learn more, please visit

