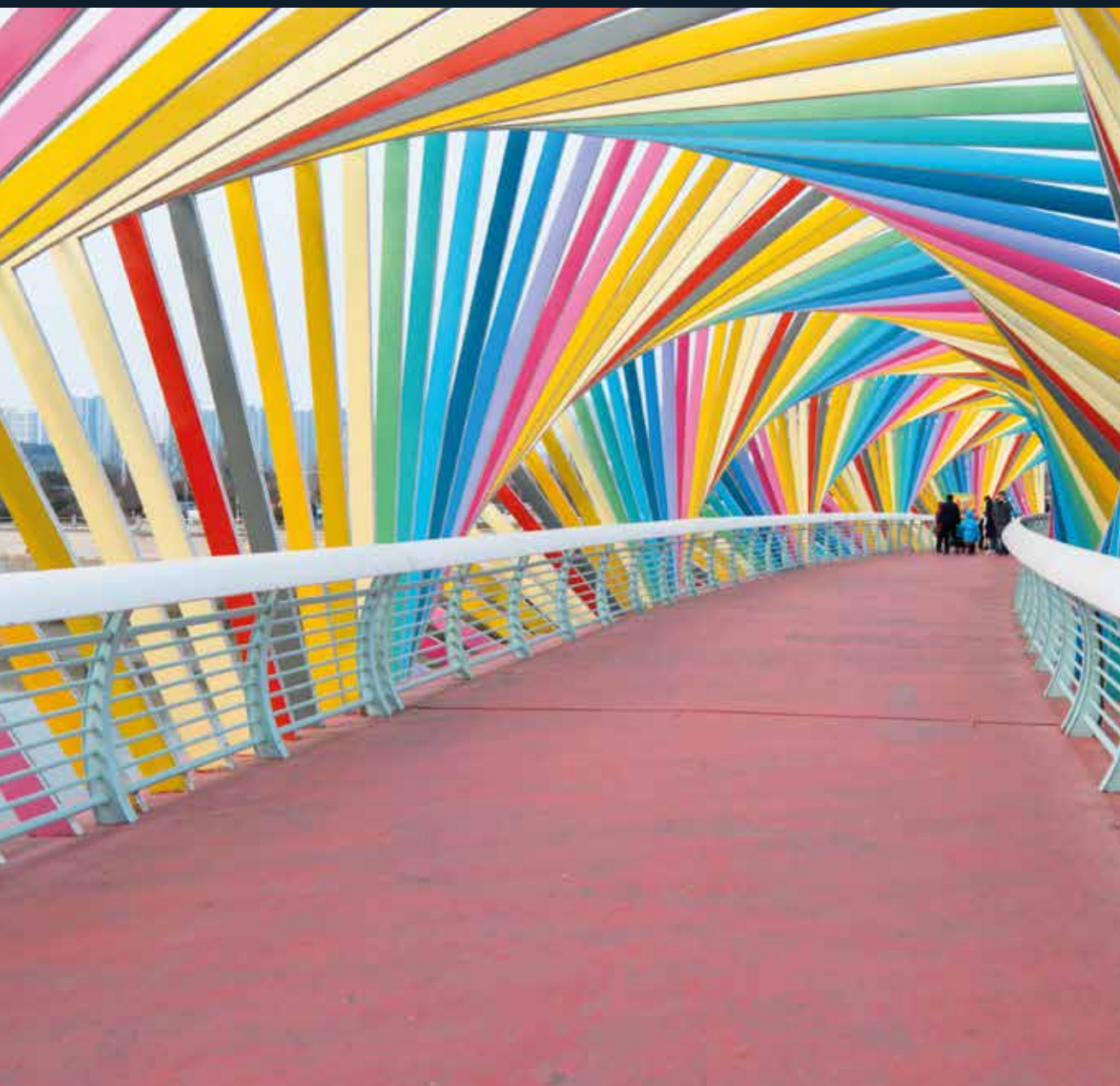




# Managed solutions



# Powering the decisions ahead.

The buy-side is in an era of intense change. Regulatory pressure is increasing. Industry-wide consolidation is rampant. Outsourcing non-core processes is now commonplace. Demands for more speed and greater transparency are rising. And the entire operational role of data is transforming.

As a result, buy-side firms face three urgent challenges:

- > Fee compression and margin erosion
- > Redundant, disparate workflows
- > Technology accelerating the pace of industry-wide change

## Doing more with less

**Improving efficiency** can help the buy-side tackle multiple challenges simultaneously—and compete more effectively. However, to do this requires an investment in both technology and operations.

**Technology investments** can include data infrastructure, public and private cloud deployment, APIs, high performance computing, data strategy, system design.

**Operational investments** may include data management, system consolidation, workflow automation and operational assessment.

To succeed, firms need a provider with experience and expertise in both domains: MSCI.

**Facing a transformative moment, the buy-side must find ways to do more with less in order to compete effectively.**

Three core offerings designed to deliver tailored solutions to address specific client challenges



# Make better decisions faster

**Buy-side firms often need more than what off-the-shelf products can deliver. But few providers offer true customization. MSCI Managed Solutions seeks to change this, combining three core offerings to help you solve complex operational challenges.**

## What sets MSCI apart?

MSCI Managed Solutions occupy a unique niche in our industry, delivering three big advantages rarely seen together.

### FLEXIBLE TECHNOLOGY

Open-architecture solutions connect with virtually any data, systems, and workflows

- Horizontally scaling technology to address complex portfolio processing needs
- In-memory analytics deliver granular analysis for high-volume needs
- Seamless integration with client-side applications

### SPECIALIZED EXPERTISE

Experienced experts help you implement our content and tools to meet unique needs

- Hands-on project management and process monitoring at each stage of implementation or ongoing operational support
- Personal support and training designed to ensure our applications and solutions meet your needs

### ACTIONABLE SOLUTIONS

Tailored solutions designed to help you be more efficient

- Add custom reports, granular portfolio analysis, or additional processing capacity
- End-to-end onboarding for portfolio migration and other capabilities
- Custom processes to accommodate a wider range of needs with a centralized system

## CRITICAL BENEFITS

### Better informed decisions, faster

Reduce redundant processes, improve consistency, and accelerate decision-making using trusted data for multiple enterprise applications.

### Lower total costs and free up resources for value-add activities

MSCI can design and operate a solution to streamline your internal systems and processes using a combination of MSCI's content, technology and services. This can free up resources to focus on revenue- and growth-related tasks by reallocating FTE positions to more strategic roles.

### Increase data and analytics quality

MSCI's automated data quality checks, analytic results monitoring, and established processes ensure you are working with the most accurate information. Reconciliation against client provided market values is included and can increase the consistency and integrity of the results.

### More flexibility

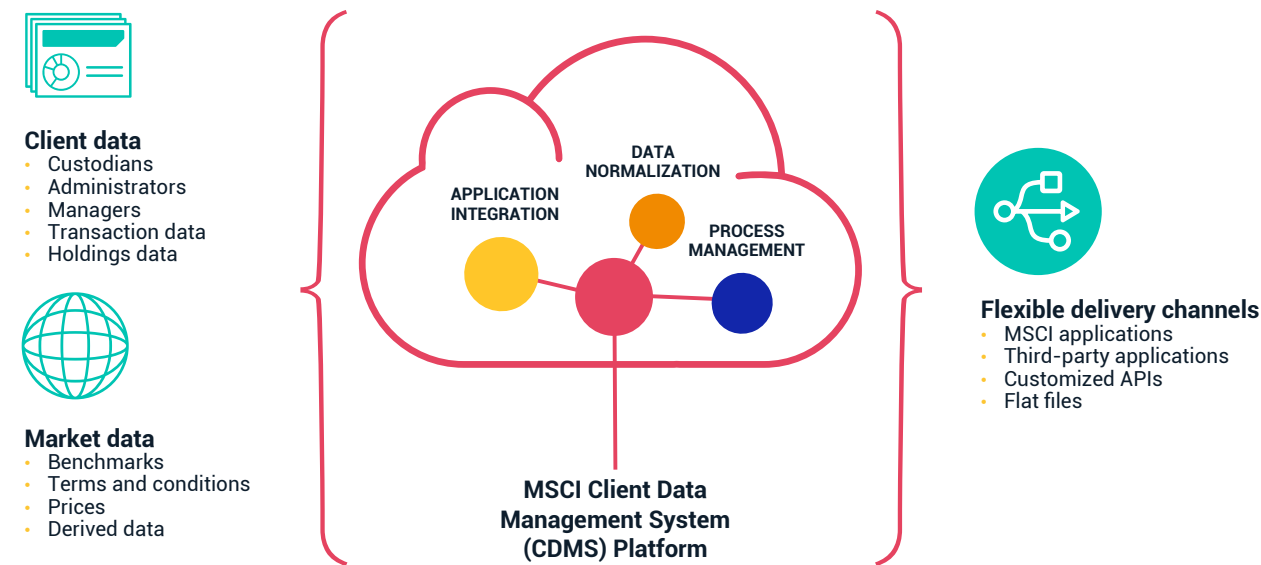
MSCI's experience working with the largest financial institutions globally allows us to design and implement a solution that can solve your current needs and evolve as your needs change.



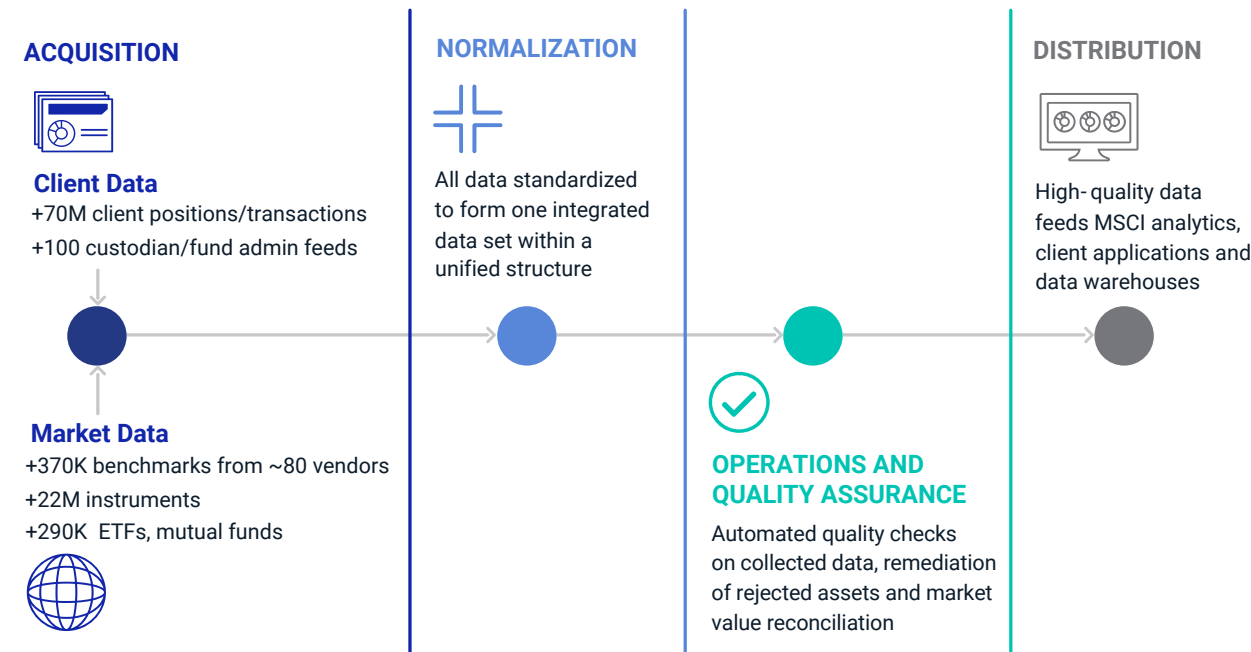
# Data management

Gain the ability to handle complex, integrated, high-volume workflows.

Data management is a core strength of MSCI, enabling our team to collect virtually any mix of data, process it according to your needs, and deliver it wherever it needs to go.

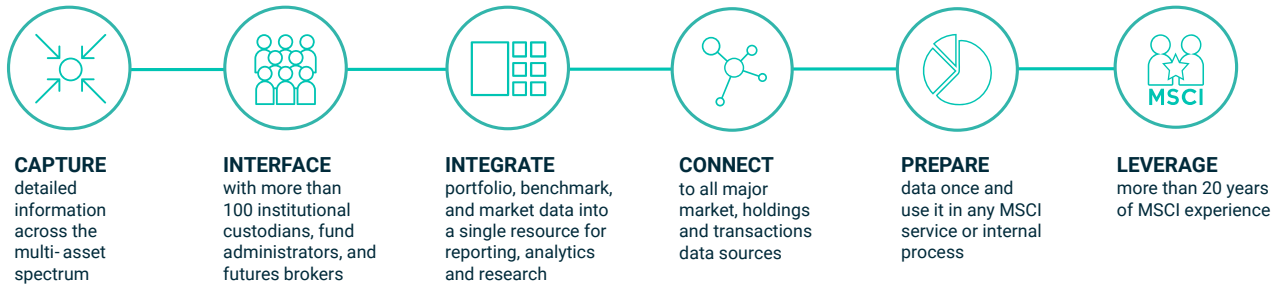


At every stage of this four-step process, our experts integrate portfolio and market data accurately and efficiently. Essentially, MSCI can provide tailored data management solutions for every stage of workflow, enabling buy-side firms to optimize the entire data universe.



## Key benefits

Data management solutions help firms spend less time on data—and more time protecting margins.



### Rejected asset remediation

Understand the rationale for rejection, resolve issues faster, ensure inputs to analytics are accurate.

- Proxy-to-cash: Rejected positions replaced with cash equivalent to market value
- Rule-based proxy: Rejected asset types are covered according to preset rules
- User-asset modeling: Firm establishes specific criteria

### Market value verification

MSCI helps you ensure that you are always working from the most accurate information by:

- Running data feeds through holdings-level reconciliation
- Highlighting coverage of holdings and market value
- Running reports for every input source and aggregate results
- Examining all material market value differences compared to MSCI sources

# Reporting services

**Deliver business critical reports with increased transparency, improved accuracy and efficiency**

MSCI reporting services provides increased transparency, improved accuracy, and efficiency to help demonstrate value, strengthen client relationships and comply with regulatory requirements. Our solutions include standard, regulatory or customizable reports tailored to your needs.

Communicate with both internal and external stakeholders including regulators

- Presentation ready reports that are easy to understand
- Ready-to-use reports leveraging MSCI's expertise and best practices gained from working with its broad client base
- Reports include standard, custom, regulatory, ESG and liquidity reporting

Understand and analyze analytic results

- Detailed reporting including access to position level analytics, intermediate results and the underlying data
- Seamlessly load large sets of analytics and data to your data warehouse or transition from an existing provider to MSCI
- Easy-to-consume files covering your full investment universe, programmed to your specification

## Analytic Validation

With MSCI Reporting Services you can have confidence in the quality and reliability of your business critical reports with analytic validation.

- MSCI monitors changes in risk statistics with respect to the last reporting cycle
- Investigates breaches and reports the likely cause to the appropriate data management teams
- Proposes solutions to avoid recurrences

## Process Management

Trusted specialists oversee your processes and maintain business continuity:

- Process monitoring, disaster recovery, and user acceptance environment are included
- 24/7 availability
- Process 70 million imported positions daily
- Process 1 trillion asset valuations daily



# Professional services

**Leverage our expertise and focus internal resources on revenue generation**

## NEEDS ASSESSMENT

- Understand operational requirements
- Proof of concept
- Ongoing operational optimization

## STAFF EXTENSION (DEDICATED SERVICES, RESOURCES, ETC.)

- Support during and after implementation

## NEEDS ASSESSMENT

Deep dive to identify how best to address pain points and streamline operations.

- Evaluate operations holistically to find gaps and opportunities
- Assess new and proven opportunities for improving data strategy
- Understand tradeoffs between cloud computing and on-prem solutions
- Improve efficiency and total cost of ownership (TCO) over time
- Proof of concept

## SOLUTION DELIVERY

Achieve peak efficiency faster with expert setup, installation, and integration.

- Project management: scope, launch, training, documentation, and more
- Workflow automation, including data input and high-volume report generation
- Business process analysis to determine ideal form/timing of output
- Data analysis: asset class modeling, system diagnostics, proxy rule implementation
- Early care period for transition from implementation to service

## STAFF EXTENSION

MSCI operational staff goes on-site to solve operational needs.

- Technical and functional expertise to support ad-hoc risk analysis
- Integration of MSCI analytics with third-party and internal systems
- Management of additional data- or risk-related projects





Call us or visit our website at [msci.com/servicesandsolutions](https://www.msci.com/servicesandsolutions)

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## About MSCI Inc.

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process.

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