

MARKETMAP

# MARKET DATA SOLUTIONS

Empowering the Financial World  
FISGLOBAL.COM



# Overview of MarketMap

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## MarketMap Solutions

### MarketMap

Provides flexible, cost-efficient access to comprehensive, global, real-time and historical data, news and analytics in a lightweight application.

### MarketMap Components

Tools for integrating market data into Web sites and applications.

### MarketMap Analytic Platform

Stores, manages and analyzes intraday and high volume time-series data.

### MarketMap Energy

Data management solution for energy and commodities traders.

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## MarketMap Services

### MarketMap End-of-Day Pricing

End-of-day prices for global exchanges around the world.

### MarketMap Managed Data

Helps firms quickly expand the data managed on their MarketMap Analytic Platform by integrating data from such vendors as S&P, Thomson Reuters, IDC and MSCI. Our data integrity team works closely with our vendor partners to provide the cleanest data feed possible.

### MarketMap Contribution Services

Enable organizations to display their proprietary data to their internal users via MarketMap.

### MarketMap Professional Services

Leverage our team of expert consultants to integrate MarketMap solutions into any existing infrastructure.

# Innovative, High-quality, Global, Cost-effective Market Data

Leading-edge Access To Market Data From Terminals To Feeds To Components To Historical Data Management Solutions

**Today's organizations face a market data conundrum: How to deliver efficiency gains, control costs, and support business growth while anticipating and reacting to regulatory changes?**

Leading enterprises today solve this puzzle by applying the following strategies:

- Leveraging a partner that provides scalable, high quality market data and access to global markets and asset classes via multiple channels.
- Gaining control and visibility into market data delivery and exchange costs down to the individual user level.
- Reducing internal hardware and IT footprint by utilizing efficient standardized display capabilities across multiple platforms.
- Centralizing and standardizing real-time and historical data to eliminate silos and redundant processes.
- Utilizing a high-speed data storage environment that allows for transparency and easy manipulation of data for further analysis.

With the MarketMap suite of solutions, FIS proposes an alternative to this challenge: global, cost-efficient and innovative award-winning market data and analysis.

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## MarketMap offers:

- Leading-edge access to market data from terminals to feeds to web components to historical data management solutions accompanied by services that increase efficiencies and control costs.
- Comprehensive coverage of global asset classes.
- Market data delivery via multiple, standardized platforms.
- Variable cost models that enable firms to pay only for what they need and use.
- Seamless integration with internal applications as well as other FIS solutions.

In partnering with FIS, our customers gain a market data partner that provides not only the critical data that they need, but also scale, access to global markets and asset classes, industry expertise and experience that will help them improve and future-proof their investment while minimizing risk and saving money.



# MarketMap

## Flexible, Cost-effective Access

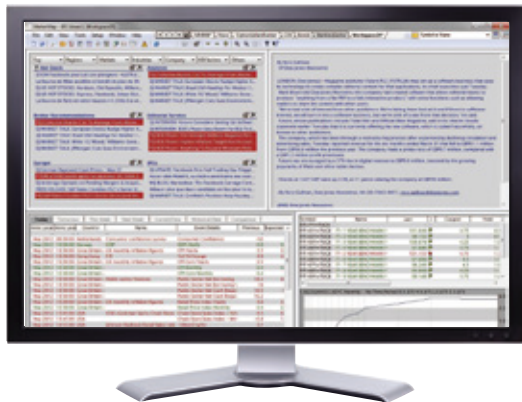
Every day, participants in the financial services industry need to make critical trading and investment decisions in highly volatile and fast-moving markets. In order to do that, they need access to in-depth, high-speed and accurate information, as well as the ability to conduct fast and reliable research.

With MarketMap, users get access to high-quality market data, news and analysis from over 160 global exchanges and over the counter (OTC) sources.

FIS aggregates real-time, reference and fundamental data from these sources, normalizes them into a single data model and delivers that data via the Internet or leased lines.

What's more, fully scalable, multi-asset class tools help financial professionals make informed investment decisions and support traders in price-discovery and decision-making processes.

### Scalable data delivery, infrastructure and display capabilities



### MarketMap provides:

**Cost-Effectiveness** – In addition to the SMART tool (see feature box below), which helps firms monitor and control data costs, MarketMap is delivered via an Application Service Provider (ASP) model using Software as a Service (SaaS), making it easy and fast to deploy and eliminating the costs and maintenance burdens of a traditional deployment.

**Ease of Use** – MarketMap's interface is easy to learn, allowing users to rapidly navigate between multiple market views or workspaces. In addition, users can create, save and share user-defined layouts via personal workspaces functionality that are accessible wherever they login.

**High Availability and Throughput** – With mirrored independent data centers and multi-level data caches, MarketMap's architecture is fully resilient, ensuring failsafe operation and supporting efficient and speedy delivery of data from the world's most active exchanges, such as OPRA and NASDAQ.

### Additional features include:

- Peer group lists for sector analysis
- Sophisticated calculators
- Extensive data models
- Easy integration with OMS systems
- Fundamental data and research
- User-defined fields and instruments for scenario simulations, market-wide performance comparisons and decision support.

### THE POWER OF SMART DATA

MarketMap includes an integrated permissioning system known as SMART, or the Subscriber Management and Reporting Terminal.

SMART offers:

- The ability for data managers to monitor, audit and control data costs in real-time.
- The assurance that users access only the services and the data to which they are entitled.
- On-demand and real-time usage reports that enable firms to optimize their expenditures.
- Streamlined and improved compliance and reporting processes.

# MarketMap Components

## Seamless Integration

For retail trading systems and online portals, incorporating data feeds that provide users with 24/7/365 availability of reliable market data via the Internet is a top business imperative. With its widgets and web services, MarketMap Components make it easy and fast to integrate financial data into any web site, web-based application or internal client and server application.

### Portal/Content Management System Integration



FIS market data solution supports the wide variety of market data needs we have. As a major Swiss bank group, we need access to data, a simple means to contribute data for use in in-house applications and an efficient way to distribute data across our branch network of nearly 350 legal entities. MarketMap provides us with a great combination of value and price, with outstanding customer responsiveness from the whole team.

**CHRIS COCHRANE,**  
SWITZERLAND, COOPERATIVE.

### Visualization Components



## MarketMap Components provide:

### Ease of Integration, Web-based Delivery and

**Pre-Configured Modules** – Delivered from redundant, state-of-the-art data centers, used by prestigious firms worldwide, fully documented with comprehensive API and development tools and round-the-clock, 24/7 support.

### Effortless Compatibility with XML, HTML and Dynamic Components

– MarketMap Components offer query response data content in XML to any in-house server or client application, provides market data content and modular tools in preformatted HTML for easy embedding into websites or applications, and supplies streaming, Java-based and Ajax-style content to any website or browser-based application with little integration effort.

**Advanced Charting** – MarketMap Components provide graphical access to FIS' historical data with pre-defined, customizable layouts of the most commonly used charts, including standard pricing, price/volume, traded volume and more.

**Access to the Components Developers' Center** – FIS makes it easy to incorporate Components into any type of financial website. The Developer's Center provides a Web-based, interactive development center for easy access to all documentation, APIs and tools, so users can rapidly integrate MarketMap Components in their businesses.

## MarketMap Widgets

Provide componentized access via standard technology to quotes, news, charts and historical and fundamental data. Offered as an ASP service, Widgets allow easy access to FIS and third-party content using standard URL-based APIs, XML, HTML and Java. This is the solution of choice for firms that manage the look and feel of their market data interfaces.

## MarketMap Web Services

Offer access to a full range of financial content including quotes, news, charts, historical and fundamental data, as well as market statistics and other market-related content on web pages via APIs.

## MarketMap Web Services also provide:

- Full management of user entitlements
- Management of user preferences
- Administrative tools for reporting usage and data consumption
- Scalable solution with flexible display options

## Web Applications



MarketMap Analytic Platform has worked reliably for us for 20 years and done everything we've wanted it to do. It performs so much faster than our previous system.

**HENRY FOIRA,**  
ASSISTANT DIRECTOR,  
NATIONAL ACCOUNTS  
IMPROVEMENTS, AUSTRALIAN  
BUREAU OF STATISTICS.

# MarketMap Analytic Platform

The MarketMap Analytic Platform is a front-to-back market data and historical database solution for storing and managing high-volumes of intraday and daily time-series data. Its powerful database and efficient analytic environment enable users to store, manipulate and analyze decision support data, macroeconomic trends, historical pricing data and more.

## MarketMap Analytic Platform provides:

**True Analysis of Time-series Data** – By combining vector based storage and management of time-series data with analytical models, the MarketMap Analytic Platform enables firms to improve their forecasting capabilities and provide enhanced risk exposure, potential return on investment and other statistical services.

**MarketMap Managed Data** – Access to global, high quality, normalized data via FIS' infrastructure. MarketMap Managed Data Services are hosted in FIS' resilient data centers and provide access to more than 100 sources of exchange and third party data. MarketMap Managed Data Services include:

- Global, normalized MarketMap data mapped against a global security master and universal data dictionary then stored within the MarketMap Analytic Platform.
- Availability of multiple query and access methods for working with the managed data.
- Integrity and quality checks of all data updates and corrections.
- Access to the MarketMap Managed Data Support desk.
- Access to MarketMap professional services for customers wanting to load own data sets.

**Compliance With Industry and Regulatory Requirements** – With constantly changing regulations and policies, financial institutions are being forced to better track such elements as fees, risk exposure, returns and other actionable current and historical data. The MarketMap Analytic Platform enables firms to get access to the data they need in order to comply with regulatory demands.

# MarketMap Energy

MarketMap Energy is a data management solution designed for energy and commodities traders. The solution provides aggregated energy information from multiple vendors, validated and presented in a consistent framework and delivered quickly and accurately to help provide customers with a competitive market advantage.

MarketMap Energy helps lower market data costs, improves data quality and expedites time to market.

## MarketMap Energy provides:

**User-friendly, Web-based Interface** – Designed to expedite the aggregation, navigation, charting and analysis of energy market data. Expedites and facilitates both standard and proprietary data analyses.

**Energy Market Data** – Access to more than 250 energy and commodity data sources. These time-series are fully managed and quality-checked to ensure data accuracy.

**Real-Time Market Data** – Integration of MarketMap real-time market data solutions to enable views and analysis of real-time data alongside the energy and commodities time-series data.

**Open Technology Platform** – Facilitates enterprise-wide consolidation, integration and management of data for business applications. MarketMap professional services are available to help integrate MarketMap Energy into customer's infrastructure.

## MARKETMAP TODAY

- 8 out of the top 10 banks in the world use FIS' MarketMap solutions
- More than 800 customers in over 60 countries use MarketMap
- More than 30 of the world's central banks use the MarketMap Analytic Platform
- Named fastest growing market data provider by Burton-Taylor International Consulting in 2012
- Leverages data from FIS' SGN Network which connects 2,500 institutions to 120 markets and 31 trading hubs
- Named "Best Buy-Side Technology Provider of the Year" in 2010 by Waters
- FIS named "Top Vendor" in Energy Risk's 2010 Software Survey Rankings
- FIS named "Software House of the Year" in 2011 Energy Risk Asia Awards

## About FIS

FIS is a global leader in financial services technology, with a focus on retail and institutional banking, payments, asset and wealth management, risk and compliance, consulting and outsourcing solutions. Through the depth and breadth of our solutions portfolio, global capabilities and domain expertise, FIS serves more than 20,000 clients in over 130 countries. Headquartered in Jacksonville, Florida, FIS employs more than 55,000 people worldwide and holds leadership positions in payment processing, financial software and banking solutions. Providing software, services and outsourcing of the technology that empowers the financial world, FIS is a Fortune 500 company and is a member of Standard & Poor's 500® Index. For more information about FIS, visit [www.fisglobal.com](http://www.fisglobal.com)

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