

Product Overview **nMarket Suite**



The industry's most field-tested solution for transaction management in today's wholesale markets.

The nMarket Suite offers a seamlessly integrated, bid-to-bill transaction management platform for bidding, position management, nomination/scheduling, dispatch, settlement and reporting.

As a result of seamless front to back-office integration, you get all the efficiency, accuracy and superior audit trail of straight-through processing. nMarket's modular design and standard APIs make it easy to integrate with legacy or third-party energy trading and risk management products while allowing you to deploy front or back-office functionality when and where you need it.

Meeting the Demands of Constantly Changing Markets

nMarket is routinely updated to meet changing market demands and thoroughly tested for optimal, real-world results. It has been successfully deployed in all current U.S. power markets and has expanded its presence in other global commodity markets as well. With its newly developed gas functionality, nMarket supports transaction management for many North American pipelines.

More Deployments in More Markets Than Any Competing Product

More than 200 installations of nMarket have occurred since its introduction and more than half of our clients use the product in multiple markets.

Based on current clients and market share, nMarket provides functionality for the scheduling, bidding and settlement of more generation and load than all of the other competing software solutions combined. In addition, Ventyx is the only vendor that offers true multi-market coverage across every United States market. nMarket's success is Performance Proven, as existing clients continue to use nMarket as they enter new markets.

nMarket is currently deployed in the following North American ISO/RTO markets:

- California
- Midwest
- New England
- New York
- Ontario
- PJM
- Texas
- SPP

nMarket's gas functionality supports over 50 North American pipelines including:

- El Paso
- Columbia Gas
- Tennessee
- Nova
- NGPL
- Transco

Integrated, Extensible Toolset for Maximum Flexibility

nMarket is an integrated, extendable toolset that allows a participant to easily manage transactions and settlements with an ISO/RTO or North American pipeline. With increased reliability and reduced integration costs, process-specific software continues to be a preferred option for many companies in the industry. These tools are designed to work out of the box for standard configurations and provide additional user configuration without requiring custom development.

- Flexibility to evolve as the markets evolve
- Multiple-market/pipeline coverage
- Bid-to-bill process management
- Multiple technical configurations
- Standardized interfaces for integration with other systems
- Front to mid to back-office productivity enhancement

Comprehensive Bid-To-Bill Functionality

nMarket's front-office modules provide an attractive price-performance option for simplifying physical scheduling, nominations, ISO communications and position management. nMarket's back-office modules offer the energy industry's most comprehensive platform for ISO/RTO and pipeline settlement data capture, checkout, volume management, shadow settlement and dispute management.

nMarket Power

nMarket Power is a modular design for efficient deployment. Modules include the following:

ConfigurationManager Module

- System user management
- Market participant management
- Pricing node management
- Asset ownership management
- Data security management
- Task scheduling

TradeManager Module

- Asset bidding
- Bilateral scheduling
- Managing market offers/bids, and bilateral contracts
- Virtual bidding
- Schedule management

OperationManager Module

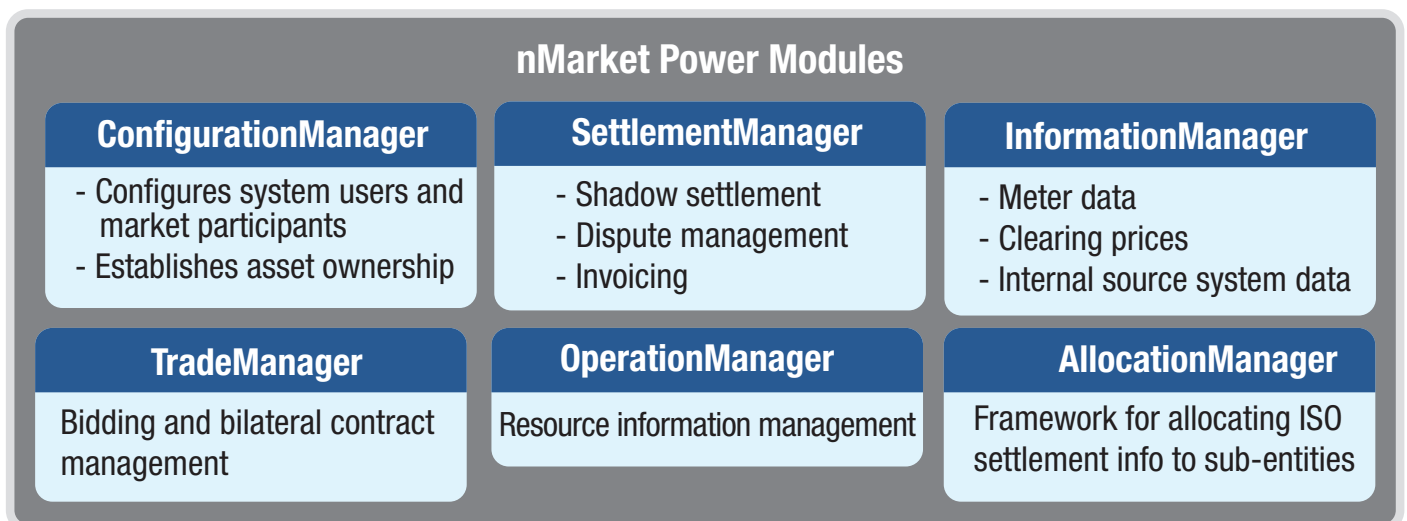
- Asset dispatch activity coordination and monitoring
- Unit operational parameter management at a default, daily and hourly level

SettlementManager Module

- Shadow settlements
- Checkout
- Dispute management
- Invoice management

InformationManager Module

- Meter data
- Clearing prices
- Market data
- Market volumes
- Rates



AllocationManager Module

Providing the ability to allocate settlements across multiple customers and business units

Many of today's market participants provide a variety of services to both external and internal business entities. These services for retail and industrial load customers include scheduling, resource management, trade book management and managing internal business processes.

As an optional nMarket module, AllocationManager extends nMarket by allocating nMarket shadow settlement estimates as well as wholesale settlements with a market operator to the individual customers or business units of a market participant.

AllocationManager provides the following functionality:

- Allows market participants to define sub-participants (customers, business units, trade books, etc.) and accurately allocate and invoice market-level charges and credits to each via standard or custom allocation methodologies.
- Allows market participants to create an invoice for any time period based on the best set of data available (either settlement statements or shadow settlement estimates). Furthermore, AllocationManager manages changes of underlying data over time to calculate accruals and prior period adjustments.
- Allows market participants to calculate intermediate data required to calculate a per-kWh rate that can be passed to a retail billing engine via a standard outbound API.
- Ability to manage allocation methodology rules by charge type and date range
- Ability to view customer-level data used for allocation
- Functionality to view allocation results at a summary or detail level
- Simple invoice generation and tracking functionality
- A set of standard allocation methodologies for each market

nMarket Offer Manager

nMarket OfferManager allows you to automatically create generation offers according to pre-defined strategies, pre-validate the offers based on ISO and provide the asset managers and traders with decision support tools to evaluate which strategy should be submitted to the market.

Key Features:

- Tightly integrated with the nMarket Suite
- Includes standard methods to create cost and ISO-defined offers
- Provides the capability to plug-in custom methods for offer creation
- Pre-validates offers against ISO rules prior to submission to ISO
- Supports the ability to manage each configuration of a combined-cycle plant
- Provides quick-edit capabilities to allow users to adjust offers graphically or via percent or absolute value adjustment
- Provides detailed audit trail that captures offer input data used to create offers as well as each version of an offer
- Provides customizable screen layouts and window attributes for each user
- Creates similar day LMP forecasts
- Provides up-to-date graphical decision support capabilities for key market and offer analysis information
- Tracks emissions credits and usage
- Tracks fuel prices and usage
- Calculates profit and loss by generation asset and portfolio
- Submits energy and ancillary services offers to the ISO
- Supports programmatic inbound APIs for key inputs

nMarket Gas

Building on the success of nMarket Power, nMarket Gas is the only software suite with true out-of-the-box configuration of each transporter's unique implementation of NAESB transaction sets and process rules. It provides a comprehensive tool kit to add surety to volumes and expenses in pipeline transportation, as well as integration for nominations, scheduled quantities, allocation/balancing statements and invoices.

nMarket Gas is comprised of four modules:

ConfigurationManager Module:

- Transportation service provider (TSP) location information
- NAESB code sets and data element suite
- TSP specific configuration
- Settlement-related agreement terms
- Unique TSP EDI & EDM mappings

NominationManager Module:

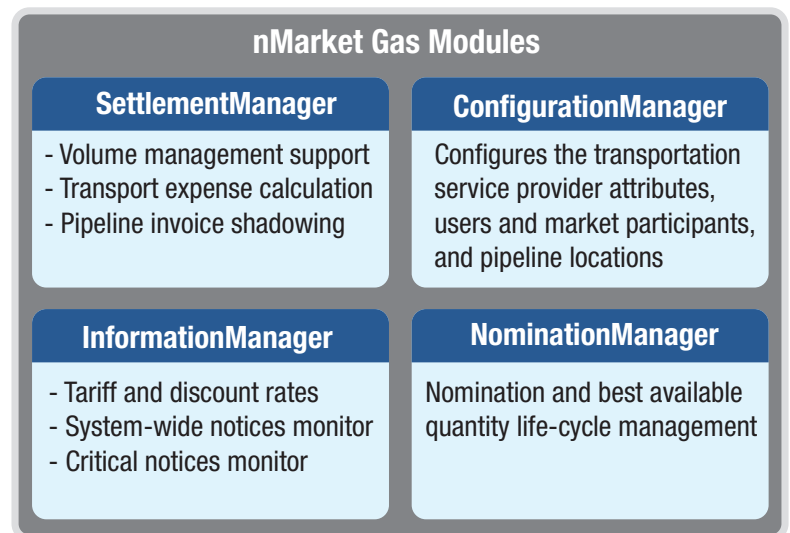
- Transportation, storage, pooling and imbalance resolution related nominations
- Client legacy nomination data import and transformation
- All NAESB nomination model types (pathed, non-pathed, pathed non-threaded)
- Nomination history
- Full life cycle best available quantity tracking
- Orphan nomination matching
- Automated nomination submission
- Quick responses, scheduled quantities, estimated and actual quantities

InformationManager Module:

- Pipeline tariff rate schedules, charges and rates
- North American pipeline tariff rate subscription
- Negotiated discount rates
- System-wide/critical notification monitors
- Alarms, e-mail and pager notification

SettlementManager Module:

- Imbalance quantities, storage balances
- Allocation, imbalance and invoice statements import
- Pipeline transportation expenses calculations
- Estimate expenses on any version of best available quantity
- Compare estimates versus actuals
- Track actualized volumes
- Dispute management tools



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