# How nGenue addresses ETRM aspects

Below is a detailed explanation of how nGenue addresses key aspects of ETRM:

### 1. Deal and contract management

* **What it manages**: Centralizes the management of trading deals and contracts across the value chain.
* **Capabilities**:
  + Facilitates deal creation, execution, and settlement for both physical and financial trades.
  + Tracks contract terms, pricing structures, and expiration dates.
  + Supports hedging strategies to mitigate market risks.
* **Benefits**: Streamlines trading operations and ensures contractual compliance.

### 2. Pipeline path operations

* **What it manages**: Tracks and optimizes the movement of natural gas through pipeline networks.
* **Capabilities**:
  + Configures pipeline paths to ensure the seamless flow of gas from suppliers to end users.
  + Supports nomination, scheduling, and balancing to maximize throughput efficiency.
  + Provides detailed analytics to monitor and address pipeline constraints in real time.
* **Benefits**: Minimizes transportation costs and ensures reliable gas delivery.

### 3. LDC configurations

* **What it manages**: Customizes configurations for Local Distribution Companies (LDCs).
* **Capabilities**:
  + Manages contracts between LDCs and suppliers or marketers.
  + Tracks volumes, delivery schedules, and rate structures specific to LDC agreements.
  + Automates compliance with LDC-specific operational rules and regulations.
* **Benefits**: Enhances efficiency in serving LDCs and reduces manual intervention.

### 4. Storage and distribution

* **What it manages**: Handles the storage and distribution of natural gas to balance supply and demand.
* **Capabilities**:
  + Supports inventory management for gas stored in underground or off-site facilities.
  + Optimizes withdrawal and injection cycles based on market conditions.
  + Provides tools to allocate storage costs to relevant contracts or deals.
* **Benefits**: Ensures energy availability during peak demand and maximizes storage profitability.

### 5. Risk management

* **What it manages**: Identifies, assesses, and mitigates risks associated with trading and operations.
* **Capabilities**:
  + Monitors market volatility and provides price forecasting tools.
  + Enables scenario analysis to evaluate the impact of market changes on profitability.
  + Tracks credit and operational risks associated with counterparties and logistics.
* **Benefits**: Protects against financial losses and promotes informed decision-making.

nGenue’s ETRM platform empowers businesses to achieve operational excellence while staying competitive in an ever-changing energy market.

## Related topics that you might be interested

* :material-format-paint:{ .lg .middle } **Understanding ETRM**
* Understand the basics of ETRM and what are its key components.
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