



Risk Management
Commodities Trading
Physical Logistics
Regulatory Compliance

Manages the entire LNG life-cycle from product process scheduling to capturing physical transactions and tracking best available physical positions

Producing, transporting, loading/unloading, storing and regasifying Liquefied Natural Gas (LNG) entails major operational challenges in addition to managing the associated financial business processes.

LNG 8.0 Overview Allegro addresses these issues by integrating all of the physical and financial aspects in the platform with a component specifically designed to manage the entire LNG life-cycle from the liquification of natural gas, to LNG, to the re-gasification of LNG back to natural gas. The Allegro LNG component does this in addition to tying seamlessly with many other critical aspects of the LNG life-cycle.

The comprehensive functionality provides the scheduling of both the liquification and regasification processes for the LNG inventory, along with modeling the input, output and loss for both processes. Additionally, it assesses the quality rating of a process with pricing adjustments to valuation of inventory. And finally, it is completely integrated with numerous other key components in the Allegro system, allowing for a comprehensive, seamless management process for the entire LNG life-cycle.

Features & Benefits

Key Features	Key Benefits
Robust calculations model the input, output and loss for liquification and regasification processes and assess the quality rating of a process with pricing adjustments to valuation of inventory	All aspects of the LNG life-cycle are captured providing a holistic and accurate valuation of inventory, quality and pricing.
Trading and Contract Integration	Allows the physical transactions to be processed within the LNG component to provide real-time visibility of your physical positions.
Complete integration with Allegro's physical logistics components such as Vessel, Barge, Pipeline, Truck and Rail	Track all aspects of the shipment of the LNG commodity to and from the LNG facility
Natural gas scheduling integration	Provides a seamless process for the efficient scheduling of natural gas positions that are to be liquefied or regasified back into the natural gas pipeline system. The result is a reduction in time, effort, and user error.
Settlement integration	Integration with key accounting components provides the ability to settle and account for all processing fees that originate in the LNG component providing accurate and real-time financial functionality.

Business Case

The life-cycle of Liquefied Natural Gas (LNG) can be complex and involves many different players such as natural gas suppliers, liquefaction plants, transport operators (such as vessels, trucks and rail), terminal operators, regasification plants, storage facilities, pipeline operators, and many others. Thus, managing all aspects of the (LNG) life-cycle entails major operational challenges. The key benefits of the Allegro LNG component lie in two areas. The first is the comprehensive integration of the component with numerous other critical parts of the system such as trades, contracts, physical logistics, natural gas scheduling, positions and settlement. This integration is key to the robust functionality of the component. The second is accurate modeling, quality assessment and accounting of the actual LNG process itself. These two key areas allow companies to create a seamless, accurate and highly transparent business process that captures all the points along the LNG life-cycle.

Component View

The screenshot displays the Allegro LNG component interface. The top section is titled 'Schedule' and shows a table with columns for Group description, Open, Supply, Transport, Market, Close, Actual, Unit, Reg time, Comm mode, and End time. Below this is a 'Process' section showing details for a specific process (100140) including quantity, unit, shipper, process, validation, creation name, creation date, revision date, and revision name. The bottom section is 'Process detail', which is a large table showing values for various products and locations over time.

Product	Location	Process mode	Commodity	Value	Value unit	9/1/2008	9/2/2008	9/3/2008	9/4/2008	9/5/2008	9/6/2008	9/7/2008	9/8/2008	9/9/2008	9/10/2008	9/11/2008	9/12/2008	9/13/2008	9/14/2008
LNG	Atlantic LNG - INPUT		Energy Inc	100,000.00	mt	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00
LNG	Atlantic LNG - LQSS		Energy Inc	22,400.00	mt	760.00	760.00	760.00	760.00	760.00	760.00	760.00	760.00	760.00	760.00	760.00	760.00	760.00	760.00
LNG	Atlantic LNG - OUTPUT		Energy Inc	127,600.00	mt	4,240.00	4,240.00	4,240.00	4,240.00	4,240.00	4,240.00	4,240.00	4,240.00	4,240.00	4,240.00	4,240.00	4,240.00	4,240.00	4,240.00

The LNG component captures and integrates all aspects of the LNG life-cycle

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