



Risk Management  
Commodities Trading  
Physical Logistics  
Regulatory Compliance

## Price Connect 8.1

Complete and automated visibility into current, futures, and forward price data, fully integrated with the Allegro 8 platform.

Forward curve data has always been difficult to acquire and complicated to manage, often requiring spreadsheet handling prior to being inserted into the transaction system. The result is that data can be mismanaged, keyed incorrectly, and rapidly become outdated. With changes in today's markets and daily alterations in exchange platforms and specifications, trading horizons need to extend further forward than ever. Customers need current, accurate and complete pricing to manage risk and ensure the most accurate representation of their business.

### Product Overview

Price Connect 8.1 presets the handling of complex forward data into forward curves. Now prices supplied by vendors for multiple tenors on the forward curve can be mapped to a single Allegro forward price index, with the flexibility to handle quotes for any delivery period. In combination with Allegro 8's grid computing platform, the entire process is automated, ensuring customer confidence with immediate access to accurate current, futures and forward price data.

By providing a standardized interface to automatically connect to multiple market data providers, Price Connect 8.1 simplifies the price data management process, taking a once difficult task and making it easy to generate forward curves, evaluate positions and manage your business with complete confidence and accuracy across all business areas. Supporting price feeds from Platts, LIM, GlobalView, Bloomberg, Argus and PDS Energy, Price Connect 8.1 provides a simple, configurable interface to customize all of your data needs.

Key Feature	Key Benefit
Automatic forward curve generation	<ul style="list-style-type: none"> <li>Instantaneous visibility of positions to best manage company profitability</li> </ul>
Direct interface into the Allegro 8 transaction system	<ul style="list-style-type: none"> <li>Audit capability to ensure accuracy and compliance requirements of source data used to measure derivative valuations</li> <li>Reduces likelihood of data entry errors through manual processes or use of spreadsheets</li> </ul>
Plug and Play component providing direct data feed of current, futures and forward prices from a multitude of data sources	<ul style="list-style-type: none"> <li>Consistent price data across all business areas ensuring accuracy and compliance confidence</li> </ul>
Configurable GUI to maintain data interface	<ul style="list-style-type: none"> <li>A simplified, customizable way to manage price data</li> </ul>
Consolidates data from multiple vendors and data sources	<ul style="list-style-type: none"> <li>Eliminates or substantially reduces separate data, terminal, software and communication fees from multiple vendors</li> <li>Create a zero latency enterprise information-sharing environment</li> </ul>

## The following price feeds are supported by the Allegro Price Connect 8.1 Component

### Platts

Platts is a leading energy information reporting service that provides real-time news, pricing and analytical data. The Allegro-Platts Price Connect interface utilizes a secure online interface to connect to the Platts Dispatch data service, and captures data from the profile of dispatch categories from which the client has subscribed. In addition to pricing, the data retrieved includes categories, descriptions and units of measure that are used to create default price indexes in Allegro. Daily price data is available to Allegro Price Connect users from the following Platts dispatch categories:

Symbol Directory	DC Code	#Symbols	Dispatch Category Description	Symbol Directory	DC Code	#Symbols	Dispatch Category Description
Coal	CI	159	Coal: International + US Export Prices	Oil Assmts	YU	167	Crude Yields: US Mid-Continent
Coal	CO	1848	Coal: US Daily Assmts + Weekly Indexes	Oil Assmts	YL	96	Crude Yields: US West Coast
Coal	DC	100	Derivatives: Coal	Oil Assmts	RC	89	Crudes: Canadian
Coal	EU	34	Emissions: Global Carbon	Oil Assmts	RW	114	Crudes: Feeders - Weekly
Coal	EJ	80	Emissions: Global Sulfur/Nitrous Oxides	Oil Assmts	RI	320	Crudes: International
Metals	LM	106	Metals: LME	Oil Assmts	CL	43	Crudes: Latin America
Metals	ML	38	Metals: LME Monthly Averages	Oil Assmts	RP	87	Crudes: Pacific Rim
Metals	LT	17	Metals: Light	Oil Assmts	RA	24	Crudes: Russian Domestic Market:
Metals	MM	298	Metals: Major	Oil Assmts	RU	107	Crudes: United States
Metals	MI	23	Metals: Minor	Oil Assmts	DU	447	Derivatives: Petroleum Americas
Metals	PM	107	Metals: Precious	Oil Assmts	DA	515	Derivatives: Petroleum Asia
Metals	FA	392	Metals: Steel and Ferroalloys	Oil Assmts	DR	901	Derivatives: Petroleum EMEA
Natgas	LF	10	LNG: Assessments & Fundamentals	Oil Assmts	LI	195	LPG: International
Natgas	EG	801	Natural Gas: European Assessments	Oil Assmts	LG	30	LPG: US
Natgas	EH	107	Natural Gas: European Exch/Other	Oil Assmts	AG	32	Oil Products: Arab Gulf FOB
Natgas	GF	5337	Natural Gas: European Fwd Assessments	Oil Assmts	PU	14	Oil Products: Asphalt
Natgas	GN	8336	Natural Gas: N Amer Forward Assmts	Oil Assmts	CC	8	Oil Products: Caribbean Cargoes
Natgas	GD	639	Natural Gas: N American Daily Assmts	Oil Assmts	WC	15	Oil Products: Chicago Pipeline
Natgas	GM	375	Natural Gas: US Monthly Assessments	Oil Assmts	EB	142	Oil Products: European Bulk
Oil Assmts	BA	327	Bunkers	Oil Assmts	FS	74	Oil Products: Feedstocks
Oil Assmts	BL	42	Bunkers: Latin America	Oil Assmts	JF	32	Oil Products: Jet Fuel
Oil Assmts	NJ	157	Crude Netbacks: Caribbean	Oil Assmts	PL	11	Oil Products: Latin America
Oil Assmts	NW	129	Crude Netbacks: Europe ARA	Oil Assmts	LU	50	Oil Products: Lubricants
Oil Assmts	NQ	87	Crude Netbacks: Italy	Oil Assmts	PN	175	Oil Products: NY Harbor
Oil Assmts	NX	93	Crude Netbacks: Singapore	Oil Assmts	PZ	18	Oil Products: NY Harbor Fuel Oil
Oil Assmts	NV	117	Crude Netbacks: US East Coast	Oil Assmts	CJ	43	Oil Products: North Asia
Oil Assmts	NM	191	Crude Netbacks: US Gulf Coast	Oil Assmts	RM	36	Oil Products: Russian Domestic Market
Oil Assmts	NK	113	Crude Netbacks: US Mid-Continent	Oil Assmts	CS	74	Oil Products: Singapore
Oil Assmts	NT	96	Crude Netbacks: US West Coast	Oil Assmts	CX	21	Oil Products: Singapore Fuel Oil
Oil Assmts	YC	157	Crude Yields: Caribbean	Oil Assmts	PS	13	Oil Products: South China
Oil Assmts	YR	129	Crude Yields: Europe ARA	Oil Assmts	PQ	92	Oil Products: South China Fuel Oil
Oil Assmts	YI	87	Crude Yields: Italy	Oil Assmts	PG	9	Oil Products: US Group 3
Oil Assmts	YS	93	Crude Yields: Singapore	Oil Assmts	UG	114	Oil Products: US Gulf Coast
Oil Assmts	YN	117	Crude Yields: US East Coast	Oil Assmts	UZ	7	Oil Products: US Gulf Coast Fuel Oil
Oil Assmts	YH	191	Crude Yields: US Gulf Coast	Oil Assmts	UW	67	Oil Products: US West Coast

## Platts

Symbol Directory	DC Code	#Symbols	Dispatch Category Description	Symbol Directory	DC Code	#Symbols	Dispatch Category Description
Oil Assmts	UY	11	Oil Products: US West Coast Fuel Oil	Oil Other	NR	632	Racks/PSTR: PADD 4 - Rockies
Oil Assmts	IN	74	Platts Indexes	Oil Other	NB	503	Racks/PSTR: PADD 5 - Northern
Oil Assmts	MA	637	Platts Monthly Averages	Oil Other	SB	1175	Racks/PSTR: PADD 5 - Southern
Oil Other	PC	45	Crude Postings	Oil Other	PR	979	Racks: Canadian
Oil Other	PA	27	Crude Postings: Canadian	Petchems	HF	197	Petchems: Aromatics East Asia
Oil Other	CA	10	Crude Postings: Latin America	Petchems	AE	106	Petchems: Aromatics Europe
Oil Other	OS	217	Crude Postings: Official Selling Prices	Petchems	AL	2	Petchems: Aromatics Latin America
Oil Other	PP	30	Oil Product Postings: Caribbean	Petchems	AU	61	Petchems: Aromatics US
Oil Other	EP	10	Oil Product Postings: Eastern Hemisphere	Petchems	IM	150	Petchems: Intermediates
Oil Other	GA	15	Oil Product Postings: USAC/USGC Resids	Petchems	HO	142	Petchems: Olefins
Oil Other	AM	1491	Racks/PSTR: PADD 1 - Mid-Atlantic Area	Petchems	HP	590	Petchems: Polymers
Oil Other	NE	577	Racks/PSTR: PADD 1 - New England	Petchems	HS	129	Petchems: Solvents
Oil Other	NY	1456	Racks/PSTR: PADD 1 - New York Area	Power	EE	524	Electricity: European Assessments
Oil Other	SA	1722	Racks/PSTR: PADD 1 - South Atlantic	Power	ET	1917	Electricity: European Exch/Other
Oil Other	MW	781	Racks/PSTR: PADD 2 - Lower East Midwest	Power	PE	3022	Electricity: European Fwd Assessments
Oil Other	WO	904	Racks/PSTR: PADD 2 - Michigan/Ohio Area	Power	DP	6171	Electricity: N Amer Forward Assmts
Oil Other	NA	2119	Racks/PSTR: PADD 2 - Northwest Midwest	Power	EM	153	Electricity: Spark Spreads Europe
Oil Other	SM	1308	Racks/PSTR: PADD 2 - Southwest Midwest	Power	SK	204	Electricity: Spark Spreads Fwd NAmer
Oil Other	NI	1035	Racks/PSTR: PADD 2 - Wisc/N Ill/N Ind	Power	EK	462	Electricity: Spark Spreads N Amer
Oil Other	AA	1071	Racks/PSTR: PADD 3 - Inland	Power	ES	1908	Electricity: US Assessments + Indexes
Oil Other	GC	1152	Racks/PSTR: PADD 3 - US Gulf Coast				

## LIM

LIM (Logical Information Machines) is a leading data aggregator that provides industry-specific solutions to perform sophisticated, global historical research, and real-time, predictive analyses that enables customers to quickly and easily perform advanced research and analysis on the most comprehensive data sets available.

The LIM-Allegro Price Connect interface contains daily (7 day), intraday, and tick data values from over 280 sources available at a single location and includes the following data types:

### Daily Forward Price Data (structured similar to an exchange traded futures e.g. Nymex WTI, NYMEX Natural Gas, ICE Brent Crude, as well as forward curves from the Platts M2M Service)

Daily Forward price data in relative month form (swaps, derivatives etc. quoted by relative delivery month, quarter and year)

Daily Current (spot) price data

Daily Currency data – spot currency exchange rates

Daily Interest rates (delivered in relative month format) by maturity

Hourly spot price data (e.g. from ISO's)

### Financial Market Data

Currencies Fixed Income

### Energy Market Data

Agriculture	Coal	Commodity Futures	Electricity (N.A./Europe)
Emissions	Energy Information Administration	Futures	Futures Settlement Prices
Futures Exchanges	ISO	Metals	Natural Gas (N. A./Europe)
Nuclear	Oil	Petrochemicals	

**LIM**

For a complete list of LIM's sources: [www.lim.com/products/energy-market-data.php](http://www.lim.com/products/energy-market-data.php)

**Note:**

- The interface does not currently support weather, inventory, or shipment data.
- Allegro customers will need to ensure that they are authorized for the LIM vendors imported to Allegro.

**GlobalView**

GlobalView is a leading data aggregator that distributes real-time energy market data and news, and historical (end-of-day) data. Its direct interface in the Allegro Price Connect component allows monitoring of real-time, historical, and customer-proprietary data. With a comprehensive collection of data providers, for the crude oil, natural gas, power, petroleum, petrochemical, carbon, currency, marine, coal, and precious metal markets.

The Allegro Globalview Price Connect component supports End of Day, daily market price data of the following types:

Forward price data (structured like an exchange traded futures eg. Nymex WTI)

Forward price data in relative month form (swaps, derivatives quoted by relative delivery month, quarter and year)

Current (spot) price data

Currency data – spot currency exchange rates

**Note:**

- The Allegro interface works with Version 2 of the GlobalView Data API only.
- GlobalView provides streaming real-time pricing data. To access real-time intraday pricing data Allegro customers can schedule the grid batch process to run multiple times throughout the day.
- Globalview has access to a wide variety of energy market data from publishers such as Platts, Argus, APPI, RIM, Far East Oil Price Report. You can see a full list here: [http://www.gvsi.com/globaldata/data\\_providers.asp](http://www.gvsi.com/globaldata/data_providers.asp)

**Bloomberg**

Bloomberg is focused on information: accessing it, reporting it, analyzing it and distributing it, faster and more accurately than any other organization. The New York-based company employs more than 10,000 people in over 135 offices around the world. The Bloomberg Price Connect interface allows customers to configure their Allegro system to connect directly with The Bloomberg Data License service, the core product of Bloomberg.

Data accessibility is tagged to the Bloomberg Data License Per Security product and allows a customer to access financial and commodity information on a per security basis. The Allegro Price Connect component will allow access to End of Day Prices from Bloomberg by submitting a request file. Customers can shape a request to meet their information needs and submit it to Bloomberg. Bloomberg then processes these requests and sends back the information within the Allegro Price Connect component. This is a very flexible, effective, and timely way to access Bloomberg data.

**Data is divided into four field types:**

- Security Master or Fundamental descriptive data
- End of day prices
- Derived data
- Historical time series data

## Bloomberg

The data types from Bloomberg that are supported in Allegro are:

- Current or spot market data – where the Allegro price date is equal to the delivery date
- Futures data - where the data is exchange traded and conforms to a delivery period pattern
- Forward data - where each price has a different forward delivery period
- Currency Data – spot or forward currency exchange rate data
- Interest rate data – forward interest rates

Symbol coverage available from Bloomberg will vary by client and in the way the Data License Account is set up. Bloomberg provides symbol directories that allow you to search generally available data. Example sample directories is this website: <http://bcode.bloomberg.com/sym/>

## Argus

Argus is a leading provider of price assessments, business intelligence and market data on the global coal, electricity, oil, gas, emissions and transportation industries. The Allegro Argus Price Connect 8.1 component supports the following data modules:

Argus Data Models			
Argus McCloskey Coal	Argus Biomass Markets	Argus Global Markets	Argus Global Markets Netbacks
Argus Russian Motor Fuel	Argus Caspian Market	Russian Domestic Fuel Oil Market	Argus Biofuels
Argus Coal Daily International	Argus CIS Crude Export	Argus CIS products Export	Argus Coal Transport
Deals European Natural Gas	Argus European Emissions	Argus European Electricity	Argus Freight
Argus Freight US Bunkers Section	Argus FSU Energy	Argus US Crude	Argus US Crude - 17:00 Section (Houston Time)
Argus US Products	Argus US Products - 17:30 section (Houston Time)	Argus US Products - 17:00 section (Houston Time)	Argus International Asphalt
Argus Indonesian Coal Index	Argus Jet Fuel	Argus European Crude	Argus Liquefied Natural Gas
Argus European Products	Argus Asia & Midday European Crude	Argus European Natural Gas	Argus Natural Gas Americas
Argus Americas NGL	Argus Petroleum Coke	Argus International LPG	Argus LPG - Asia Section
Argus LPG - European Section	Argus LPG - US Section	Argus Russian Domestic Crude	Argus Asia Products
DUSB	Argus Latin Markets	Argus Coal Daily	Argus US Electricity
Argus Air Daily	Argus US Ethanol		

### Note:

- The coverage available in Allegro will depend on the client's Argus Subscription but coverage of the above modules is supported.
- Price Connect allows clients to map Argus data to Allegro current price indexes as well as to model and map forward prices to Allegro forward price indexes.

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**PDS Energy**

PDS Energy Information has been providing electronic exchange solutions for the energy industry for over 15 years. PDS utilizes proven data integration techniques to provide customers with cost effective methods to efficiently access, transform, and distribute their data. The Allegro Price Connect 8.1 component supports PDS Energy's Crude Oil Posting's data-set. This covers the postings made by US Domestic and Canadian Refiners of prices they are willing to pay for crude into their gathering systems. The data includes any posting updates at the effective date and in addition, Allegro will store gravity adjustment data that defines the discounts to the posted prices which US posting companies will pay for lower quality crude.

For more information go to

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Allegro is a global leader in energy trading & risk management solutions for power and gas utilities, refiners, producers, traders, and commodity consumers. With more than 27 years of deep industry expertise, Allegro's enterprise platform drives profitability and efficiency across front, middle, and back offices, while managing the complex logistics associated with physical commodities. Allegro provides customers with agile solutions to manage risk across gas, power, coal, crude, petroleum, emissions, and other commodity markets, allowing decision makers to hedge and execute with confidence. Headquartered in Dallas, Texas, Allegro has offices in Calgary, Houston, London, Singapore and Zurich, along with a global network of partners.