

EU Spark Spreads

Dutch Spark Spread (TTF)

Description	The Dutch Spark Spread (TTF) allows you to trade the spread between ICE Endex TTF Gas Futures and ICE Endex Dutch Power Financial Base Futures contracts. Trading a position in the Dutch Spark Spread results in two separate positions in the underlying futures legs i.e. a long (short) position in the ICE Endex TTF Gas Futures contract and a short (long) position in the ICE Endex Dutch Power Financial Base Futures contract. The Dutch Spark Spread represents the theoretical gross margin of a gas-fired power plant derived from selling a unit of electricity, having bought the natural gas to produce this unit of electricity (heat rate is 50%).
Trading Screen Product Name	Dutch Spark Spr (TTF)
Trading Screen Hub Name	Dutch Grid/TTF
Commodity Code	NLB/TFM
Unit of Trading	1 MW
Contract Size	The minimum Dutch Spark Spread quantity is 5 lots, made up of 5 lots of Dutch Power Financial Base Futures and 10 lots of Dutch TTF Gas Futures. The Dutch Spark Spread trades in 5 lot increments. The price of the Dutch Spark Spread assumes a fuel efficiency of 50%. The cost of fuel is calculated by dividing the price of natural gas by 0.5.
Currency	Euro
Trading Price Quotation	The contract price is in Euros and Euro cents per MWh
Minimum Price Fluctuation	1 Euro Cent per MWh (€0.01/MWh)
Maximum Price Fluctuation	There are no limits
Tick Size	Contract Size x Minimum Trade Size x Minimum Price Flux
Last Trading Day	Trading will cease at the close of business two Business Days prior to the first calendar day of the delivery period of the underlying Dutch TTF Gas Futures contract.
Final Settlement	Trading a position in the Dutch Spark Spread results in two separate positions in the underlying futures legs i.e. a long (short) position in the ICE Endex Dutch TTF Gas Futures contract and a short (long) position in the ICE Endex Dutch Power Financial Base Futures contract. The settlement of each leg will be the respective expiry of the ICE Endex

	Dutch TTF Gas Futures and ICE Endex Dutch Power Financial Base Futures contracts as made public by ICE Endex.
Contract Series	<p>Up to 59 consecutive month contracts or as otherwise determined and announced by ICE Endex from time to time.</p> <p>Up to 9 consecutive quarters or as otherwise determined and announced by ICE Endex from time to time. Quarters are strips of three individual and consecutive contract months. Quarters always comprise a strip of Jan-Mar, Apr-Jun, Jul-Sep or Oct-Dec.</p> <p>Up to 4 consecutive years or as otherwise determined and announced by ICE Endex from time to time. Years are strips of twelve individual and consecutive contract months comprising Jan - Dec.</p> <p>Months, quarters and years are listed in parallel.</p>
Contract Security	ICE Clear Europe (ICEU) acts as central counterparty to all trades thereby guaranteeing the financial performance of ICE Endex contracts registered in the name of its Members up to and including delivery, exercise and/or settlement
MIC Code	NDEX
Clearing Venues	ICEU

German Spark Spread (TTF)

Description	The German Spark Spread (TTF) allows you to trade the spread between ICE Endex TTF Gas Futures and ICE Endex German Power Financial Base Futures contracts. Trading a position in the German Spark Spread results in two separate positions in the underlying futures legs i.e. a long (short) position in the ICE Endex TTF Gas Futures contract and a short (long) position in the ICE Endex German Power Financial Base Futures contract. The German Spark Spread represents the theoretical gross margin of a gas-fired power plant derived from selling a unit of electricity, having bought the natural gas to produce this unit of electricity (heat rate is 50%).
Trading Screen Product Name	German Spark Spr (TTF)
Trading Screen Hub Name	German Grid/TTF
Commodity Code	GAB/TFM
Unit of Trading	1 MW
Contract Size	The minimum German Spark Spread quantity is 5 lots, made up of 5 lots of German Power Financial Base Futures and 10 lots of Dutch TTF Gas Futures. The German Spark Spread trades in 5 lot increments. The price of the German Spark Spread assumes a fuel efficiency of 50%. The cost of fuel is calculated by dividing the price of natural gas by 0.5.
Currency	Euro
Trading Price Quotation	The contract price is in Euros and Euro cents per MWh
Minimum Price Fluctuation	1 Euro Cent per MWh (€0.01/MWh)
Maximum Price Fluctuation	There are no limits
Tick Size	Contract Size x Minimum Trade Size x Minimum Price Flux
Last Trading Day	Trading will cease at the close of business two Business Days prior to the first calendar day of the delivery period of the underlying Dutch TTF Gas contract.
Final Settlement	Trading a position in the German Spark Spread results in two separate positions in the underlying futures legs i.e. a long (short) position in the ICE Endex Dutch TTF Gas Futures contract and a short (long) position in the ICE Endex German Power Financial Base Futures contract. The settlement of each leg will be the respective expiry of the ICE Endex Dutch TTF Gas Futures and ICE Endex German Power Financial Base Futures contracts as made public by ICE Endex.
Contract Series	Up to 59 consecutive month contracts or as otherwise determined and announced by ICE Endex from time to time. Up to 9 consecutive

	<p>quarters or as otherwise determined and announced by ICE Endex from time to time. Quarters are strips of three individual and consecutive contract months. Quarters always comprise a strip of Jan-Mar, Apr-Jun, Jul-Sep or Oct-Dec. Up to 4 consecutive years or as otherwise determined and announced by ICE Endex from time to time. Years are strips of twelve individual and consecutive contract months comprising Jan - Dec. Months, quarters and years are listed in parallel.</p>
Contract Security	<p>ICE Clear Europe (ICEU) acts as central counterparty to all trades thereby guaranteeing the financial performance of ICE Endex contracts registered in the name of its Members up to and including delivery, exercise and/or settlement</p>
MIC Code	NDEX
Clearing Venues	ICEU

Italian Spark Spread (PSV)

Description	The Italian Spark Spread (PSV) allows you to trade the spread between ICE Endex Italian PSV Natural Gas Futures and ICE Endex Italian Power Financial Base Futures contracts. Trading a position in the Italian Spark Spread (PSV) results in two separate positions in the underlying futures legs i.e. a long (short) position in the ICE Endex Italian PSV Natural Gas Futures contract and a short (long) position in the ICE Endex Italian Power Financial Base Futures contract. The Italian Spark Spread (PSV) represents the theoretical gross margin of a gas-fired power plant derived from selling a unit of electricity, having bought the natural gas to produce this unit of electricity (heat rate is 50%).
Trading Screen Product Name	Italian Spark Spr (PSV)
Trading Screen Hub Name	Italian Grid/PSV
Commodity Code	IPB/IGA
Unit of Trading	1 MW
Contract Size	The minimum Italian Spark Spread (PSV) quantity is 5 lots, made up of 5 lots of Italian Power Financial Base Futures and 10 lots of Italian PSV Natural Gas Futures. The Italian Spark Spread (PSV) trades in 5 lot increments. The price of the Italian Spark Spread (PSV) assumes a fuel efficiency of 50%. The cost of fuel is calculated by dividing the price of natural gas by 0.5.
Currency	Euro
Trading Price Quotation	The contract price is in Euros and Euro cents per MWh
Minimum Price Fluctuation	1 Euro Cent per MWh (€0.01/MWh)
Maximum Price Fluctuation	There are no limits
Tick Size	Contract Size x Minimum Trade Size x Minimum Price Flux
Last Trading Day	Trading will cease at the close of business two Business Days prior to the first calendar day of the delivery period of the underlying ICE Endex Italian PSV Natural Gas contract.
Final Settlement	Trading a position in the Italian Spark Spread (PSV) results in two separate positions in the underlying futures legs i.e. a long (short) position in the ICE Endex Italian PSV Natural Gas Futures contract and a short (long) position in the ICE Endex Italian Power Financial Base Futures contract. The settlement of each leg will be the respective expiry of the ICE Endex Italian PSV Natural Gas Futures and ICE Endex Italian Power Financial Base Futures contracts as made public by ICE Endex.
Contract Series	Up to 35 consecutive month contracts or as otherwise determined and announced by the Exchange from time to time. Up to 7 consecutive quarters or as otherwise determined and announced by the Exchange

	<p>from time to time. Quarters are strips of three individual and consecutive contract months. Quarters always comprise a strip of Jan-Mar, Apr-Jun, Jul- Sep or Oct-Dec. Up to 4 consecutive seasons or as otherwise determined and announced by the Exchange from time to time. Seasons are strips of six individual and consecutive contract months. Seasons always comprise a strip of Apr-Sep (Summer Season) or Oct-Mar (Winter Season).Up to 2 calendar years or as otherwise determined and announced by the Exchange from time to time. Calendar years are strips of twelve individual and consecutive contract months comprising Jan - Dec. Months, quarters, seasons and calendar years are listed in parallel.</p>
Contract Security	<p>ICE Clear Europe (ICEU) acts as central counterparty to all trades thereby guaranteeing the financial performance of ICE Endex contracts registered in the name of its Members up to and including delivery, exercise and/or settlement</p>
MIC Code	<p>NDEX</p>
Clearing Venues	<p>ICEU</p>

Italian Spark Spread (TTF)

Description	The Italian Spark Spread (TTF) allows you to trade the spread between ICE Endex Dutch TTF Gas Futures and ICE Endex Italian Power Financial Base Futures contracts. Trading a position in the Italian Spark Spread (TTF) results in two separate positions in the underlying futures legs i.e. a long (short) position in the ICE Endex Dutch TTF Gas Futures contract and a short (long) position in the ICE Endex Italian Power Financial Base Futures contract. The Italian Spark Spread (TTF) represents the theoretical gross margin of a gas-fired power plant derived from selling a unit of electricity, having bought the natural gas to produce this unit of electricity (heat rate is 50%).
Trading Screen Product Name	Italian Spark Spr (TTF)
Trading Screen Hub Name	Italian Grid/TTF
Commodity Code	IPB/TFM
Unit of Trading	1 MW
Contract Size	The minimum Italian Spark Spread (TTF) quantity is 5 lots, made up of 5 lots of Italian Power Financial Base Futures and 10 lots of Dutch TTF Gas Futures. The Italian Spark Spread (TTF) trades in 5 lot increments. The price of the Italian Spark Spread (TTF) assumes a fuel efficiency of 50%. The cost of fuel is calculated by dividing the price of natural gas by 0.5.
Currency	Euro
Trading Price Quotation	The contract price is in Euros and Euro cents per MWh
Minimum Price Fluctuation	1 Euro Cent per MWh (€0.01/MWh)
Maximum Price Fluctuation	There are no limits
Tick Size	Contract Size x Minimum Trade Size x Minimum Price Flux
Last Trading Day	Trading will cease at the close of business two Business Days prior to the first calendar day of the delivery period of the underlying ICE Endex Dutch TTF Gas.
Final Settlement	Trading a position in the Italian Spark Spread (TTF) results in two separate positions in the underlying futures legs i.e. a long (short) position in the ICE Endex Dutch TTF Gas Futures contract and a short (long) position in the ICE Endex Italian Power Financial Base Futures contract. The settlement of each leg will be the respective expiry of the ICE Endex Dutch TTF Gas Futures and ICE Endex Italian Power Financial Base Futures contracts as made public by ICE Endex.
Contract Series	Up to 35 consecutive month contracts or as otherwise determined and announced by the Exchange from time to time. Up to 7 consecutive quarters or as otherwise determined and announced by the Exchange from time to time. Quarters are strips of three individual and consecutive

	contract months. Quarters always comprise a strip of Jan-Mar, Apr-Jun, Jul- Sep or Oct-Dec. Up to 4 consecutive seasons or as otherwise determined and announced by the Exchange from time to time. Seasons are strips of six individual and consecutive contract months. Seasons always comprise a strip of Apr-Sep (Summer Season) or Oct-Mar (Winter Season). Up to 2 calendar years or as otherwise determined and announced by the Exchange from time to time. Calendar years are strips of twelve individual and consecutive contract months comprising Jan - Dec. Months, quarters, seasons and calendar years are listed in parallel.
Contract Security	ICE Clear Europe (ICEU) acts as central counterparty to all trades thereby guaranteeing the financial performance of ICE Endex contracts registered in the name of its Members up to and including delivery, exercise and/or settlement
MIC Code	NDEX
Clearing Venues	ICEU