



1 year

## Product Information Kraak

### Product Idea

Kraak is our efficient peak shaving storage facility located in the THE market area, which perfectly matches your trading or balancing needs and also has low transport costs due to its unique connection to the transmission and local distribution grid.

In case of having booked two or more contracts referring Kraak Storage, the customer is allowed to combine injection rates according to his own strategy. This also applies to withdrawal rates.

The term of the contract is 1 April 2023, at 6 a.m., until 1 April 2024, at 6 a.m.

Further capacities can be negotiated in bilateral conversations.

### Pricing

We offer Kraak as fixed-price product:

Fixed Price:

$P (\text{€}/\text{Lot}) = \text{your bid}$

Additional fees:

System Service Fee = 13,000 €/a

Variable costs = 1.07 €/MWh

### Product details

Market Area	THE	
Owner	HanseWerk AG	
Network Operator	Schleswig-Holstein Netz AG, Gasnetz Hamburg GmbH, ONTRAS Gastransport GmbH	
Contract period	1 year, starting 04/2023	
<b>Bundled Capacities:</b>	<b>Lot size</b>	<b>Total Volume (34)</b>
WGC (GWh)	6.55 (firm) 0.59 (interr.)	242.76 (total)
IR (MWh/h)	4.4 (firm) 1.6 (interr.)	204 (total)
WR (MWh/h)	8.63 (firm) 1.37 (interr.)	340 (total)
Churn rate	72 days in / 75 days out	
Storage curve	Specific curves apply	
Restrictions	Further restrictions apply, please refer to Storage Contract Kraak	
Re-nomination	Intra-day, lead time 2 h	



### Transport

A special feature of Kraak is its connection to the transmission grid of Ontras and the distribution networks of Schleswig-Holstein Netz AG and Gasnetz Hamburg GmbH. Storage withdrawal is primarily on distribution network level and free of charge.

Transport costs for using TSO Ontras are as follows: both entry and exit for firm capacities 0.137 €/MWh. For interruptible capacities a deduction factor of 0.8 is applied. Furthermore short-term multipliers (i. a. day-ahead 1.4, month 1.25) have to be considered. More detailed information can be found on <https://www.ontras.com/de/downloads>.

According to the published fees and surcharges of Trading Hub Europe GmbH, the conversion neutrality charge of currently 0.38 €/MWh applies to all physical feed-in quantities brought into a balancing group.

### Marketing

Auction is scheduled March 30th between 11 a.m. and 12 p.m. (noon). Dedicated information can be found on HAW Storage Portal. Please send the authorization form to us if you are interested.



### Your Contact

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### Storage Curves

The following storage curves apply:

