



**TRADING
HUB
EUROPE**
keep in balance

**Joint customer event on balancing,
market-based instruments
and capacity buy-back**



Agenda

- 1. Introduction and presentation of THE**
- 2. THE product portfolio**
- 3. MBI and CBB processes**
- 4. MBI and CBB publication**
- 5. Bilateral tenders**
- 6. Analysis of balancing actions**
- 7. IT implementation status update**
- 8. THE website**

Introduction and presentation of Trading Hub Europe GmbH



Where we are coming from

GASPOOL

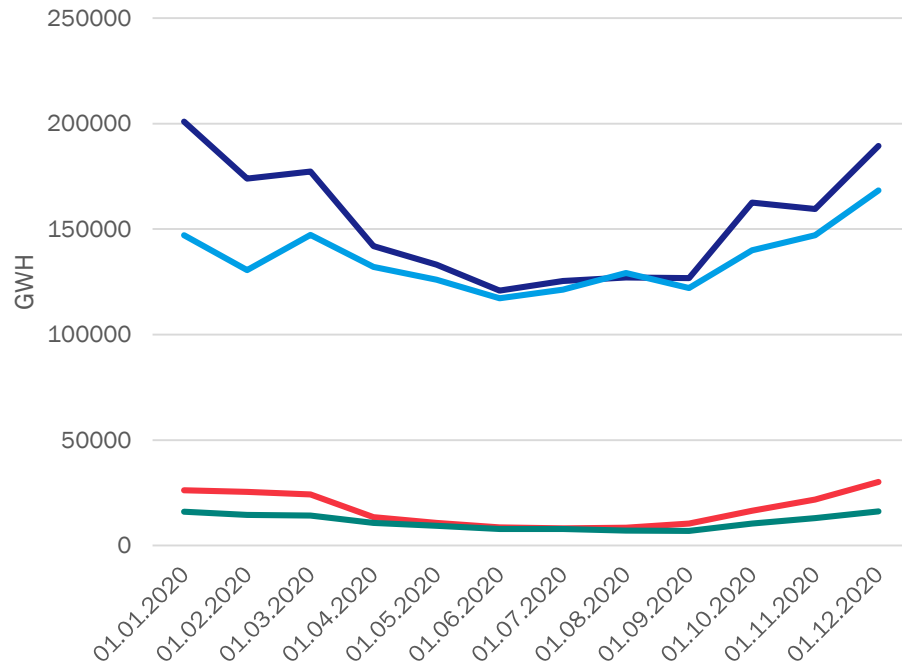
- **Shareholders:** GASCADE Gastransport GmbH, Gastransport Nord GmbH, Gasunie Deutschland Transport Services GmbH, Nowega GmbH and ONTRAS Gastransport GmbH
- **Established:** 2009
- **Market partners:** approx. 350 network operators, approx. 420 German and international BGMs

NetConnect Germany

- **Shareholders:** bayernets GmbH, Fluxys TENP GmbH, GRTgaz Deutschland GmbH, Open Grid Europe GmbH, terranets bw GmbH and Thyssengas GmbH
- **Established:** 2008
- **Market partners:** approx. 480 network operators, approx. 450 German and international BGMs



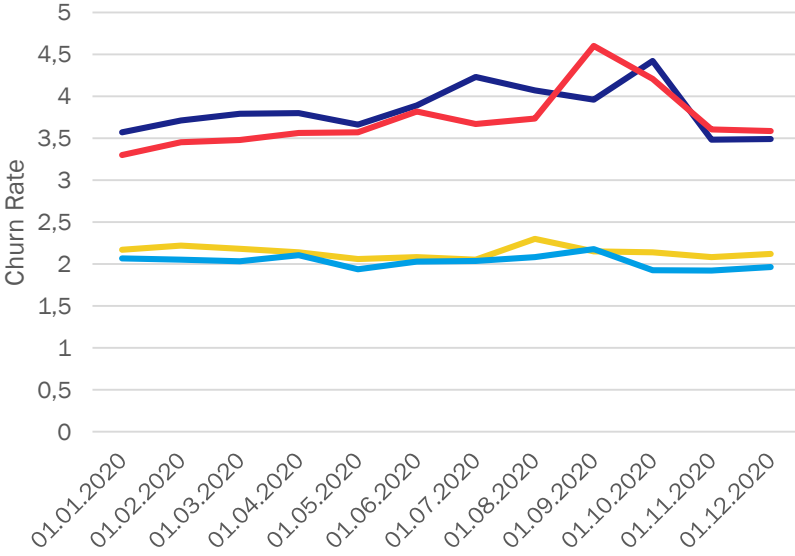
Development of GASPOOL and NCG VTPs



- Merger of two of the most attractive and most liquid trading points in Europe
- Dynamic development of VTPs in recent years

- steadily growing trading volume
- constantly positive development of churn rate
- attractive and liquid trading points for gas in Europe
- positive developments also in prompt and futures market

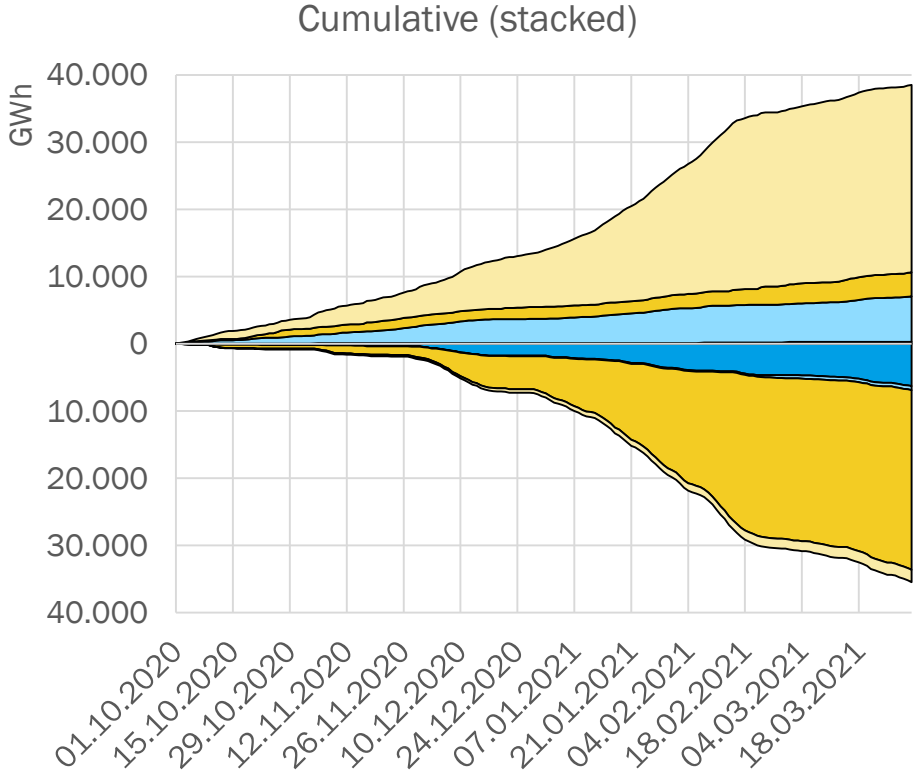
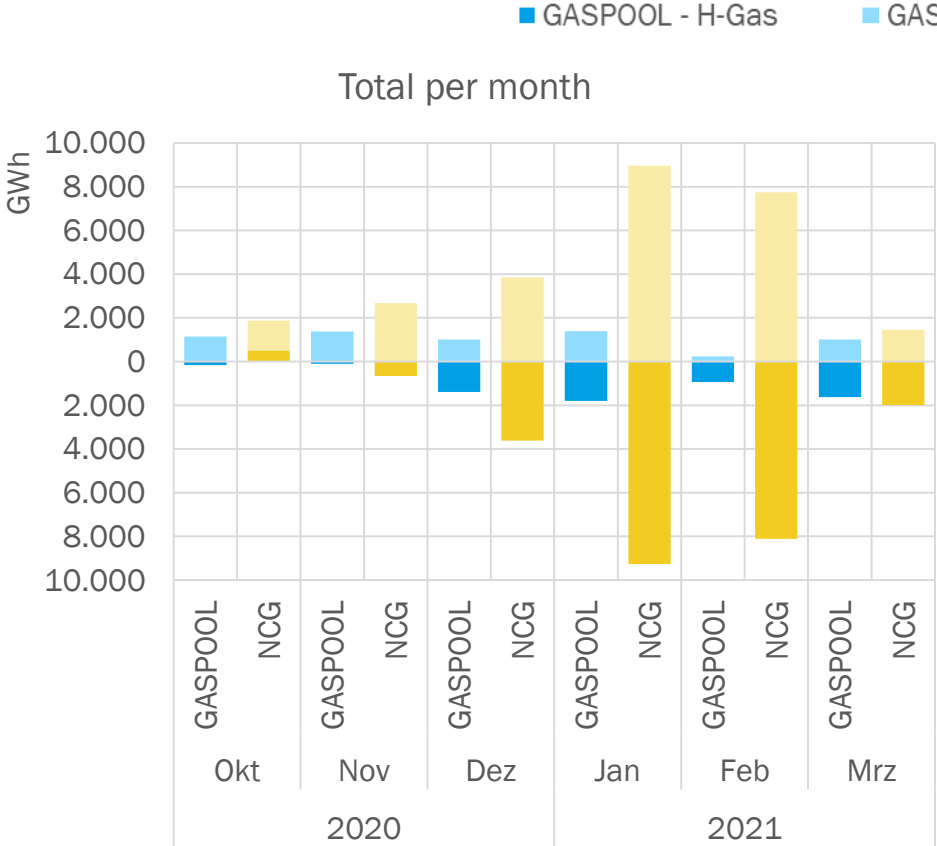
- Handelsvolumen H-Gas GWh (NCG)
- Handelsvolumen L-Gas GWh (NCG)
- Handelsvolumen H-Gas GWh (GASPOOL)
- Handelsvolumen L-Gas GWh (GASPOOL)



- Churn Rate H-Gas (NCG)
- Churn Rate L-Gas (NCG)
- Churn Rate H-Gas (GASPOOL)
- Churn Rate L-Gas (GASPOOL)



Balancing gas use by market area and gas quality



Milestones to date



Implementation project of the market area managers

MAM implementation project ("*MGV-UP*")

- Project kick-off in 2019
- MAM implementation project complements the marco project
- The aim of the MAM implementation project is to create a fully functional Market Area Manager
- Definition of the process landscape and organisational structure
- Implementation of all IT requirements
- Coordination and implementation of the organisational changes
- Coordination and implementation of the legal changes

Goals and challenges in 2021

IT project management

- **Successfully complete development/testing phase for >25 projects**
- **Deliver migration strategy as planned**

Processes

- **Harmonise existing and changed processes in THE environment**

Communication

- **Ensure intensive communication with targeted information on THE activities and conversion processes**

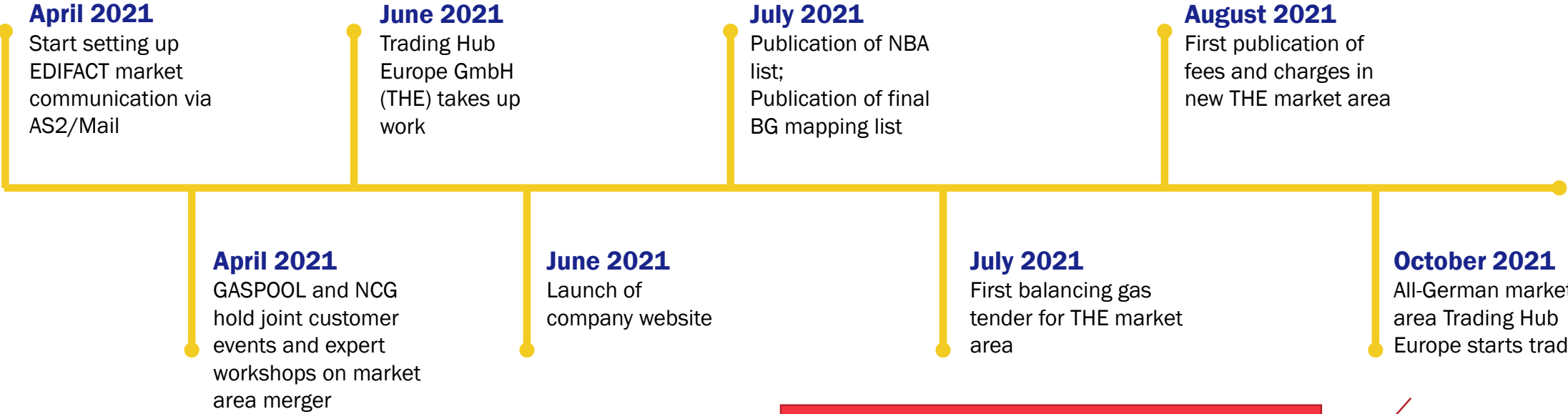
Launch

- **Harmonise cut-over planning across all systems and processes**
- **Announce changeover dates early and keep downtimes to a minimum (focus on process management)**

Goal:
Create the greatest possible transparency through market dialogues, events and information on change processes.

Next steps

- MAM NetConnect Germany merged with MAM GASPOOL
- GASPOOL renamed Trading Hub Europe
- Market areas GASPOOL and NetConnect Germany continue to exist
- At the start of the nationwide market area, THE will operate the two existing GASPOOL and NetConnect Germany market areas as the MAM



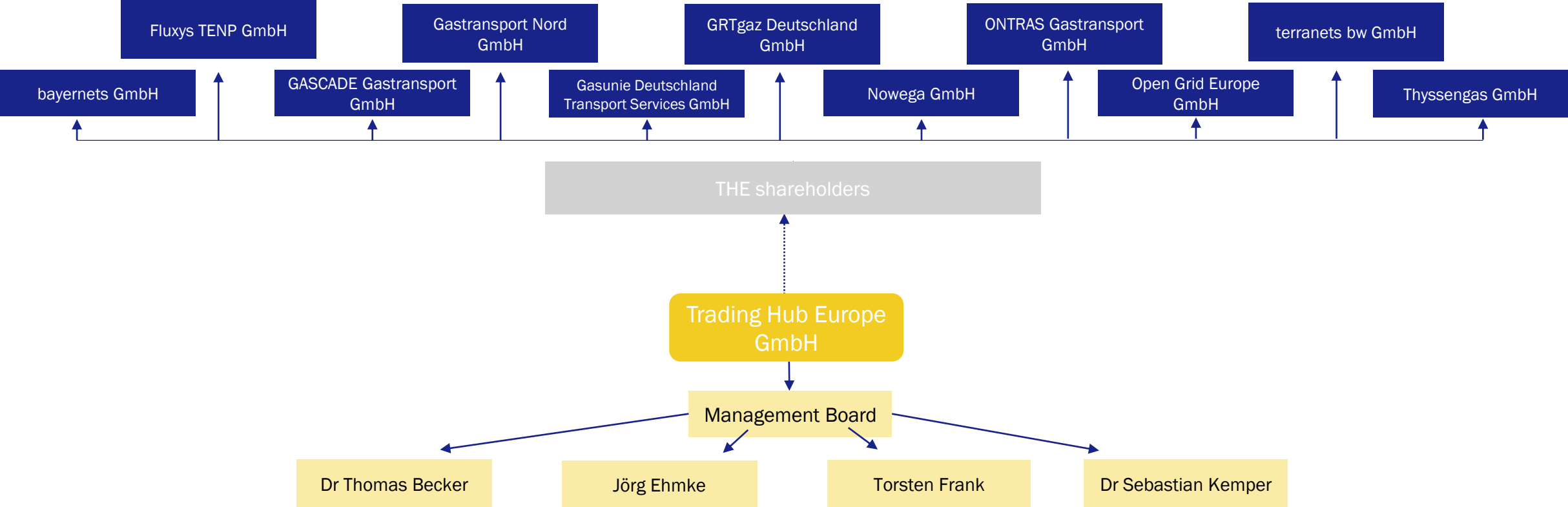
- Merger of GASPOOL and NCG market areas
- Nation-wide THE market area from 1 October



Our ambition

- **The best of both worlds**
 - Ensure that shippers, end users, network operators and balancing group managers can benefit
 - Design processes to be as customer-oriented as possible
 - Create real added value for the market
- **New nationwide MAM to be seen as a service provider that stands for high service quality, reliable data and smooth processes**
 - Successfully complete assigned tasks
- **Due to its central location in the heart of north-western Europe, the Germany-wide Market Area can become the central starting point for further connecting European gas markets across borders**
- **New market area is to become one of the most attractive and most liquid gas trading hubs in Europe**

Trading Hub Europe shareholder structure



Tasks and key figures

Main MAM tasks

- Balancing gas management and procurement
- Provision and operation of the Virtual Trading Point
- Publication of a wide range of information and invoicing data
- Management of balancing groups, balancing subgroups and network accounts
- Ensuring the exchange of data between market participants

Key figures

- High-pressure pipeline system in the Germany-wide market area spanning about 40,000 km
- More than 700 downstream networks
- Data hub for gas industry in Germany and Europe

Locations

Locations

- Berlin and Ratingen
- Tasks have been split between the two locations

- **Berlin**

- Financial accounting and risk management
- Dispatching / balancing gas / VTP
- IT infrastructure management
- Customer and contract management
- Regulation and Corporate Communications

- **Ratingen**

- Controlling and procurement
- Accounting and billing management
- Data management
- Market development and analysis
- IT application management
- Legal matters

Contacts

Contact persons

- Familiar contact persons will continue to be available until the merger takes place
- From June 2021
 - General customer service: Customer and Contract Management Department
 - Questions on billing issues for GASPOOL market area: Customer and Contract Management Department
 - Questions on billing issues for NCG market area: Balancing and Billing Management Department
 - Questions regarding EDIFACT market communication for GASPOOL: Customer and Contract Management Department
 - Questions regarding EDIFACT market communication for NCG: Data Management Department
 - Questions on setting up EDIFACT market communication for THE: Data Management Department
- From October 2021
 - General customer support: Customer and Contract Management Department
 - Questions on billing issues: Balancing and Billing Management Department
 - Questions regarding EDIFACT market communication: Data Management Department

✓ **The contact details of all relevant contact persons will be published on the THE website**



THE product portfolio

Trading Hub Europe



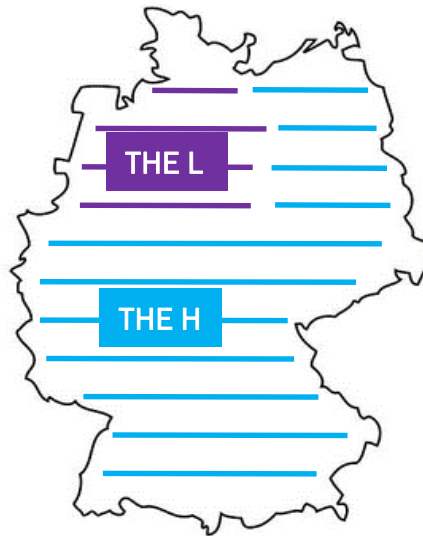
General Division of market area into areas and zones

- For balancing purposes and the application of so-called “market-based instruments” (MBI), the market area Trading Hub Europe (THE) will be divided into areas and zones
- A list showing which entry and exit points at TSO level belong to which area and zone will be published in due time before the start of the new market area

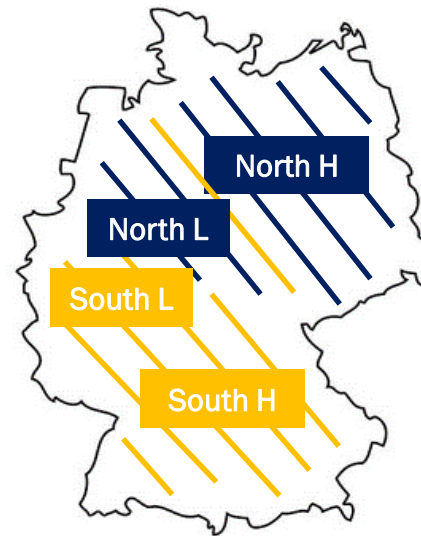
1 market area
(MOL 1)



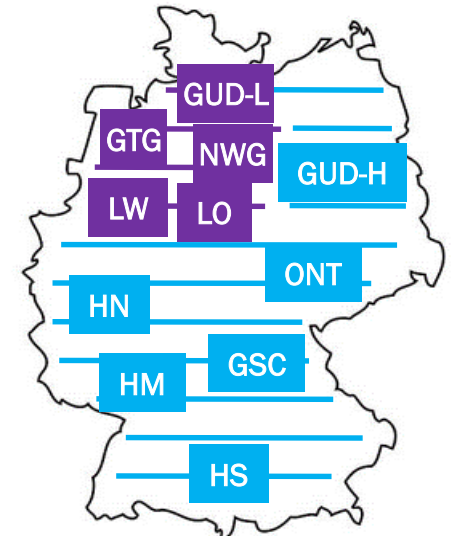
2 gas quality zones
(MOL 2)



4 balancing areas
(MOL 2/MBI)



11 balancing zones*
(MOL 4**)



* Current state of debate

** In L-gas partly also MOL 2 → see explanations on hourly products

Exchange product portfolio

Overview of daily products

In the THE market area, the following daily products (DA/RoD delivery) will be traded on the exchange from 1 October 2021:

Within Day/Day Ahead/Saturday/Sunday/Bank Holiday	
System balancing	Global
	Quality H
	Quality L
	TTF
	L-gas areas (North L, South L)
	H-gas areas (North H, South H)
	H-gas VIPs (North H NL, North H BE, South H NL, South H BE)
	H-gas area clusters (North H Cluster, South H Cluster)
	Locational products

Exchange product portfolio

Explanation on daily products (1/2)

- The previous NCG and GASPOOL-specific global and quality-specific exchange products will be merged into uniform THE products
- The existing TTF order book will continue to be used for balancing actions via the adjacent market area
- For location-specific trading, there will be "area-specific order books" for the new balancing areas instead of the previous "zone-specific order books" for each balancing zone or network area
 - In addition, there will be so-called "VIP products" and "cluster products"
- For the quality-specific and locational products, detailed physical delivery restrictions apply in addition to the product rules of the exchange
 - These are governed by section 25 of the Balancing Group Contract Terms & Conditions (Annex 4 to the Cooperation Agreement, "KoV XII"), which has been amended accordingly with effect from 1 October 2021

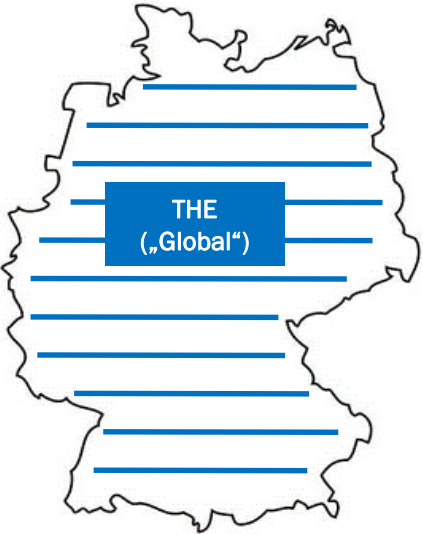
Exchange product portfolio

Explanation on daily products (2/2)

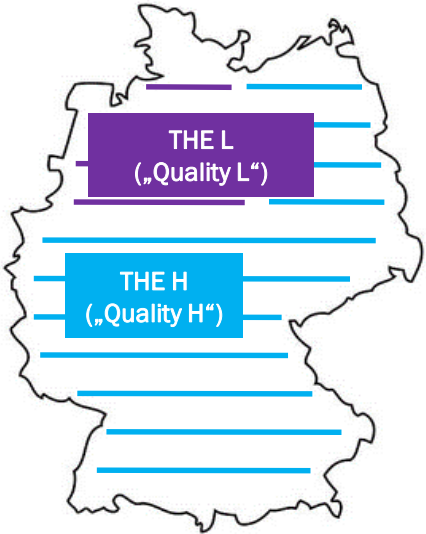
- The locational products have been designed to reflect the requirements of MBI actions
- The exchange order books to be introduced for MBI purposes (spread product) can, however, also be used to meet locational balancing requirements
- External balancing actions in accordance with the specifications of the “GaBi Gas 2.0” ruling and MBI actions on behalf of the TSOs will always be carried out separately
- The MAM will publish on its website for what purpose a trade is effected
- In the locational order books, trading between third parties is not possible → the counterparty is always the MAM
 - Whenever the MAM has to take MBI or locational balancing actions, the market will be informed accordingly so that the providers can enter bids in the appropriate order books

Exchange product portfolio

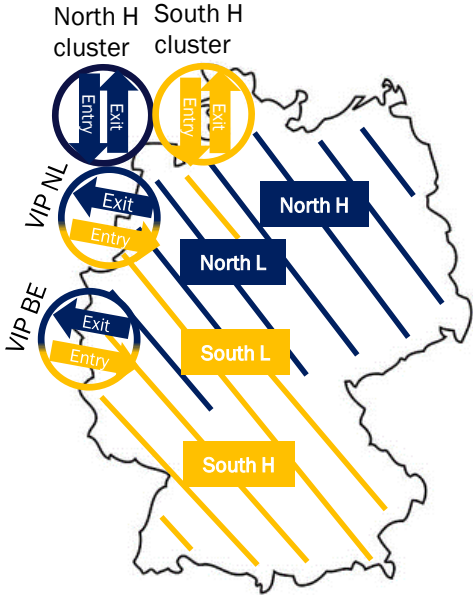
Overview of delivery restrictions for daily products



"General trading product" with no physical delivery restrictions



"Physical trading products" with point-specific delivery restrictions



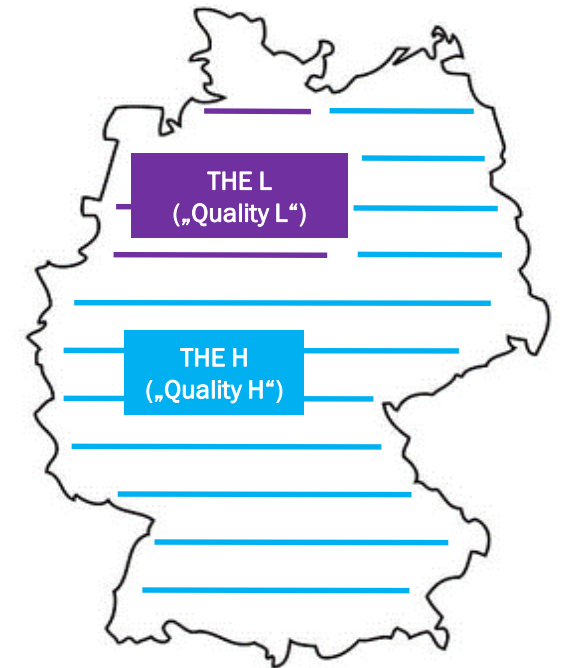
"Physical MAM products" with strict delivery restrictions (net flow approach)

↓
MBIs and balancing

Exchange product portfolio

Quality-specific products (1/2)

- Quality-specific products: Products traded in a specific gas quality (H-gas or L-gas)
- Physical delivery is subject to the following delivery restrictions:
 - The point used must belong to the respective gas quality but can be freely selected by the trading participant (several points may be selected)
 - Points used may not subsequently be changed during the course of the day
 - Physical delivery of the trade may be effected by either increasing or reducing flows:
 - Trading participants sells: increase in inputs (Entryso) or reduction in offtakes (Exitso)
 - Trading participant buys: increase in offtakes (Exitso) or reduction in inputs (Entryso)



Exchange product portfolio

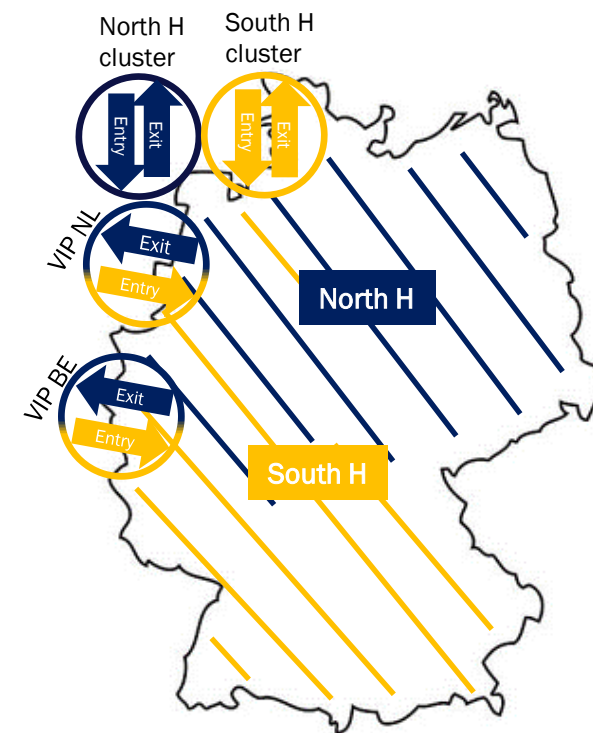
Quality-specific products (2/2)

- A physical effect will be deemed to have been duly delivered if the total changes in physical inputs and offtakes of the trading participant in the individual delivery hours of the delivery period in the direction of delivery at least reach the total quantity traded via the quality-specific product
 - The decisive factor here is whether the physical effect owed is provided in total over the agreed delivery period → delivery at a constant hourly rate is not necessarily required
- Delivery of the physical effect will be assessed based on the flows at the entry/exit points used by the provider ("implementation points")
 - Reference value for this is the most recent nomination for the delivery period at the time of the trade, as confirmed by the responsible network operator
- The physical effect can also be achieved by adjusting consumption at “RLM” exit points (“DSM”)
 - RLM = exit points where consumption is metered on an hourly basis

Exchange product portfolio

Locational H-gas products

- The locational H-gas products were developed for MBI purposes (spread product)
- Some entry and exit points in the new market area will be connected to both former market areas and cannot be used for MBI purposes without any limitations
- For this reason, a potential-based logic relying on separate order books was developed for trading by the MAM
- For H-gas there are therefore three different types of locational products:
 - VIP products
 - Cluster products
 - Area products
- In principle, the MAM's trades are cost-optimised across all three product types, but trades will only be executed up to the available potentials

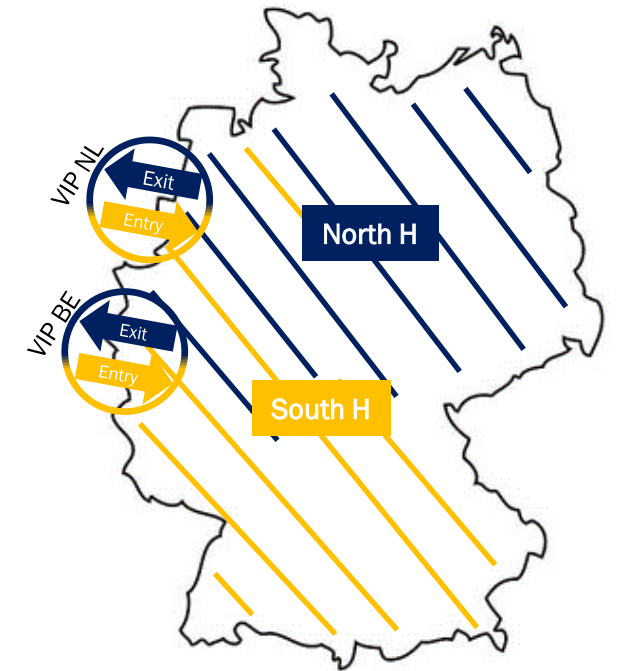


*Simplified representation of north-south congestion
(North H = Upstream, South H = Downstream)*

Exchange product portfolio

H-gas VIP products (1/2)

- The separate VIP order books serve to limit the MAM's trading activities to the scope of the available potentials
- Also, in order to ensure the physical effectiveness of the MAM's trades in view of the logic underlying the distribution of flows at the VIP, the relevant – cross-area – VIPs will be assigned to the balancing areas according by flow direction, namely:
 - VIP entry = undersupplied balancing area ("downstream")
 - VIP exit = oversupplied balancing area ("upstream")
- The individual entry and exit points combined in the VIP (IPs) are assigned and handled in exactly the same way as the VIP
 - Only relevant for trading participants who have existing capacity contracts at the IPs that run beyond 1 October 2021



*Simplified representation of north-south congestion
(North H = Upstream, South H = Downstream)*

Exchange product portfolio

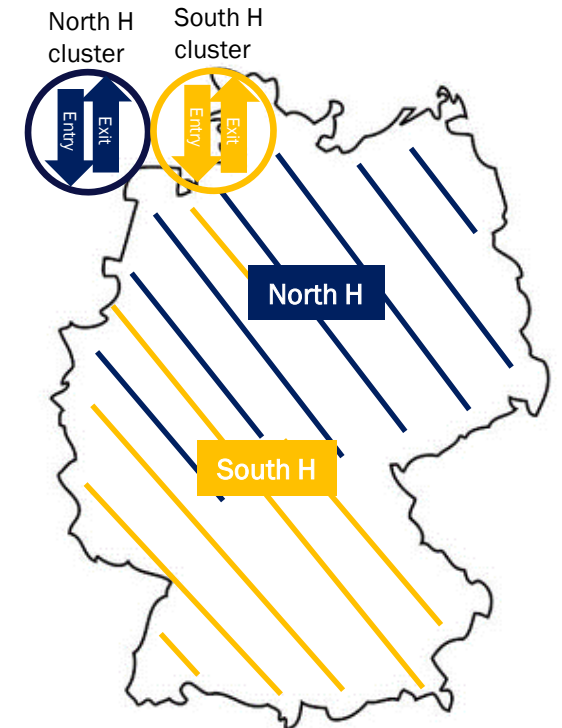
H-gas VIP products (2/2)

- For this reason, the following delivery restrictions apply when a VIP product is traded:
 - Delivery must take place at the corresponding VIP (or one of the IPs of the VIP)
 - Trading participants sells in VIP order book: increase in inputs (Entryso) at the VIP (or IP)
 - Trading participant buys in VIP order book: increase in offtakes (Exitso) at the VIP (or IP)
 - It is not permitted to deliver on the trade by reducing an existing flow
- There is a renomination restriction which restricts certain flow changes based on the balance of the provider's inputs and offtakes (net flow) across all entry and exit points belonging to the respective balancing area
 - Which area the VIP belongs to in each case is determined by the direction of the bottleneck in question as published by the MAM when the MBI requirement is announced
- On days when MBI actions are taken, a so-called “take-back obligation” also applies

Exchange product portfolio

H-gas cluster products (1/2)

- Unlike the cross-area VIPs, which are assigned dynamically based on the direction of the bottleneck in question, the entry and exit points assigned to the cluster products always belong to a fixed balancing area
- In order to take into account the physical connection between these points, potentials limit trading by the MAM to what actually serves the network
 - Separate order books are also created for these points
 - The MAM will only trade up to the maximum limit of the available potentials



*Simplified representation of north-south congestion
(North H = Upstream, South H = Downstream)*

Exchange product portfolio

H-gas cluster products (2/2)

- Physical delivery is governed by the following delivery restrictions:
 - The point used must belong to the respective cluster, but within the cluster the trading participant can choose freely (several points may be selected)
 - Physical delivery of the trade may be effected by either increasing or reducing flows:
 - Trading participants sells: increase in inputs (Entryso) or reduction in offtakes (Exitso)
 - Trading participant buys: increase in offtakes (Exitso) or reduction in inputs (Entryso)
- There is a renomination restriction which restricts certain flow changes based on the balance of the provider's inputs and offtakes (net flow) across all entry and exit points belonging to the respective balancing area
 - Each cluster point is firmly assigned to the respective balancing area North H or South H
- On days when MBI actions are taken, a so-called “take-back obligation” also applies

Exchange product portfolio

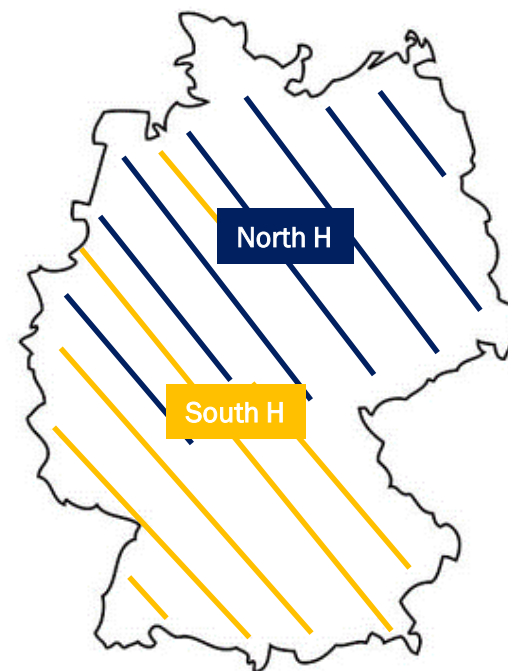
H-gas area products (1/2)

H-gas area products

- The H-gas area products each include all entry and exit points that are not already assigned to the VIP or cluster order books:
 - North H order book = North H balancing area without VIP NL/BE and without North H cluster
 - South H order book = South H balancing area without VIP NL/BE and without South H cluster

Physical delivery restrictions

- Physical delivery is subject to the following restrictions:
 - The point used must belong to the respective balancing area, but within the balancing area the trading participant can generally choose freely (several points may be selected)
 - Exception: Points assigned to the VIP or cluster order books must not be used



Exchange product portfolio

H-gas area products (2/2)

Physical delivery restrictions (cont.):

- Physical delivery of the trade may be effected by either increasing or reducing flows:
 - Trading participants sells: increase in inputs (Entryso) or reduction in offtakes (Exitso)
 - Trading participant buys: increase in offtakes (Exitso) or reduction in inputs (Entryso)
- There is a renomination restriction which restricts certain flow changes based on the balance of the provider's inputs and offtakes (net flow) across all entry and exit points belonging to the respective balancing area
 - i.e. including the cross-area VIPs (which are assigned to the balancing areas based on flow direction and direction of the bottleneck) and including the cluster points of the respective balancing area
- In the case of area products, the physical effect can also be achieved by adjusting consumption at RLM exit points ("DSM")
- On days when MBI actions are taken, a so-called "take-back obligation" also applies

Exchange product portfolio

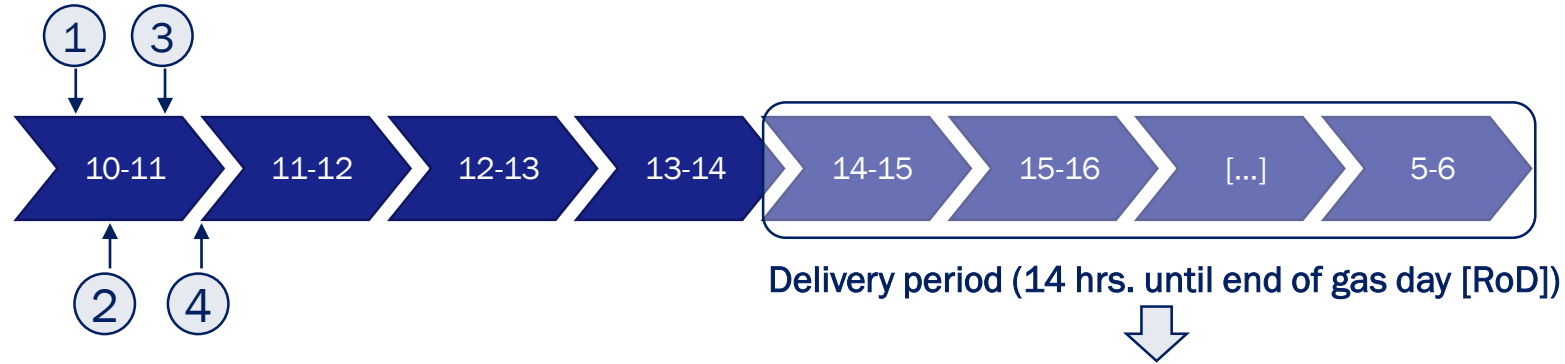
Take-back obligation

- If there is a bottleneck situation between the former two market areas, the MAM will publish the identified MBI requirement as a volume range, thereby calling for bids
- If a bid is accepted by the MAM, the provider is obliged to deliver a physical effect in accordance with the product rules, i.e. to adjust their physical inputs and/or offtakes in the respective balancing area in such a way that the bottleneck is alleviated
- Renominations made prior to the call for bids which already reduce the bottleneck will not be taken into account, i.e. the reference value is always the nomination situation at the time of the call for bids
- However, anyone who makes a renomination after the publication of the MBI requirement that exacerbates the bottleneck situation (on balance, i.e. net flow) must not stand to benefit from this during MBI actions and must neutralise this exacerbation in addition to the physical effect actually owed
- The take-back obligation applies to the time between publication of the MBI requirement and the time the bid is accepted by the MAM
- However, this take-back obligation only applies in the event of a bottleneck, i.e. only if the MAM has published an MBI requirement, and it only applies to the locational H-gas products

Exchange product portfolio

Take-back obligation – Example 1

- Representation of "congestion-exacerbating re-nomination" -



Nomination status of the provider* (Example for the upstream zone)

		14-15	15-16	[...]	5-6
①	MAM publishes MBI requirement	+300	+300	[...]	+300
②	Provider renominates in a way that <u>exacerbates the congestion situation</u>	+400	+400	[...]	+400
③	MAM accepts bid made by provider in the amount of 100	+400	+400	[...]	+400
④	Provider renominates for physical delivery and takes back initial congestion-exacerbating situation	+200	+200	[...]	+200

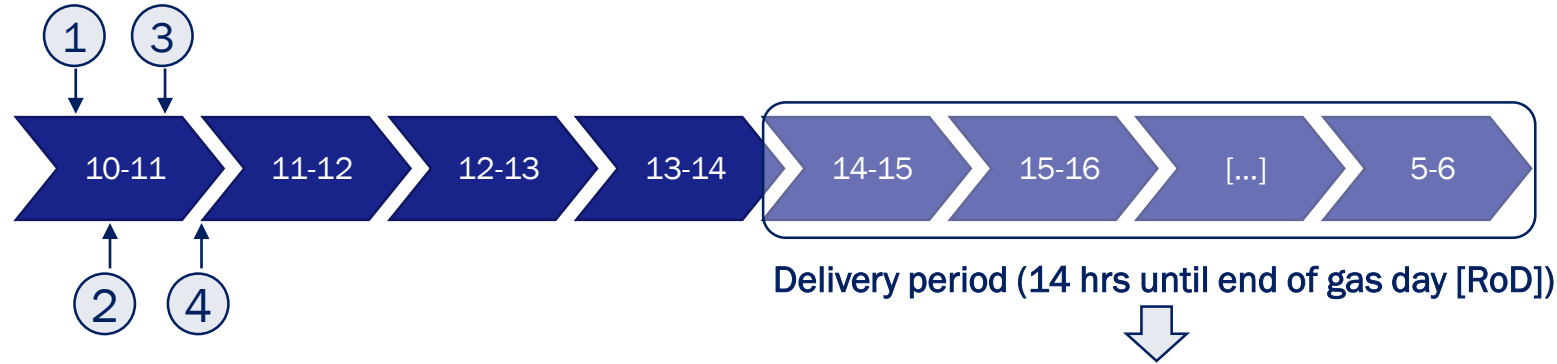
Change owed

* The table shows the balance of all nominated inputs and offtakes of the provider in the upstream zone

Exchange product portfolio

Take-back obligation – Example 2

- Representation of "congestion-reducing re-nomination" -



Nomination status of the provider* (Example for the upstream zone)

		14-15	15-16	[...]	5-6
①	MAM publishes MBI requirement	+300	+300	[...]	+300
②	Provider renominates in a congestion-reducing way	+200	+200	[...]	+200
③	MAM accepts bid made by provider in the amount of 100	+200	+200	[...]	+200
④	Provider renominates for physical delivery relative to time of trade	+100	+100	[...]	+100

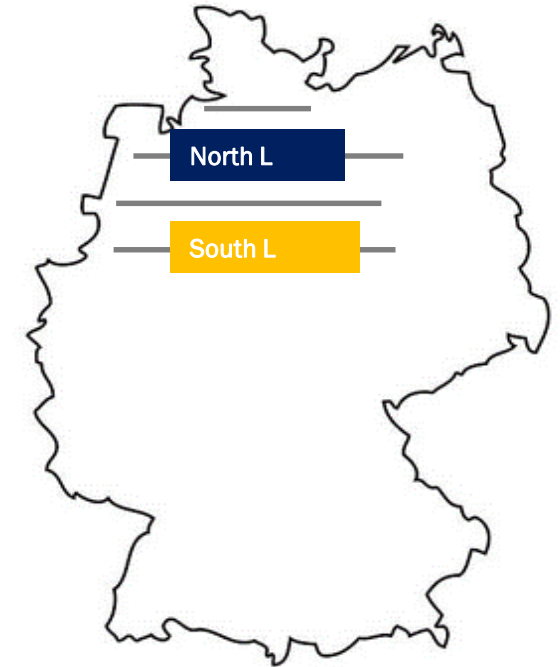
Change owed

* The table shows the balance of all nominated inputs and offtakes of the provider in the upstream zone

Exchange product portfolio

L-gas area products (1/2)

- The area-specific L-gas products replace the previous zone-specific products existing for each balancing zone or network area
 - North L = L-gas network area of the former GPL market area
 - South L = L-gas network area of the former NCG market area
- In contrast to H-gas, no potential-based logic is required for L-gas, which is why there is no further subdivision of the products into VIP, cluster and area products
 - The planned cross-area VIP for the German-NL border (L-gas) will be assigned to both balancing areas
 - However, in contrast to H-gas, the IPs combined in the VIP will be assigned to the balancing areas according to how they are presently assigned to the GPL and NCG market areas



Exchange product portfolio

L-gas area products (2/2)

Physical delivery is subject to the following restrictions:

- The point that is used must belong to the respective balancing area but within the balancing area the trading participant can generally choose freely (several points may be selected)
- Physical delivery of the trade may be effected by either increasing or reducing flows:
 - Trading participants sells: increase in inputs (Entryso) or reduction in offtakes (Exitso)
 - Trading participant buys: increase in offtakes (Exitso) or reduction in inputs (Entryso)
- Delivery of the physical effect will be assessed based on the provider's net flows at the entry/exit points belonging to the respective balancing area (total Entryso inputs less total Exitso offtakes)
- There is also a renomination restriction which restricts certain flow changes based on the net flow across the respective balancing area
- In the case of area products, the physical effect can also be achieved by adjusting consumption at RLM exit points ("DSM")

Locational products – further requirements

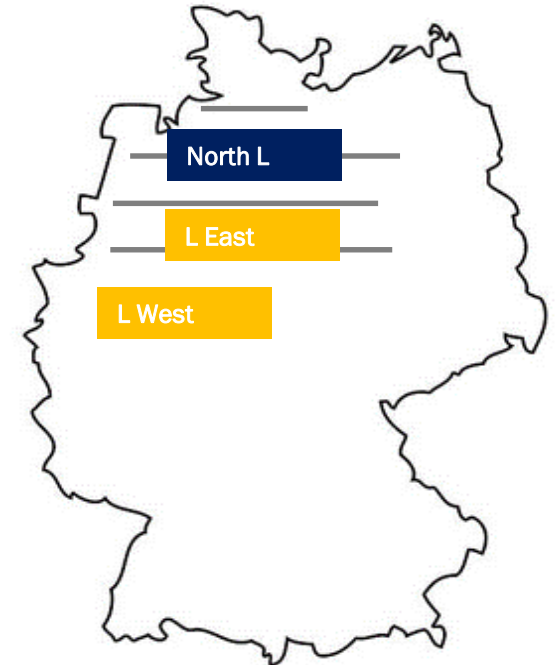
General delivery restrictions applying to all locational daily products (H-gas and L-gas):

- Physical delivery must always take place at a constant hourly rate from the first delivery hour of the agreed delivery period
- The (re-)nominations required for physical delivery must be made for all hours of the delivery period without undue delay after the trade
 - Reference value for measuring physical delivery is the most recent nomination for the delivery period at the time of the trade, as confirmed by the responsible network operator

Exchange product portfolio

Overview of hourly products

- In the THE market area there will also continue to be hourly products to meet external structuring requirements in the L-gas networks
- In addition to the daily products shown so far, THE will use the following hourly products* on the exchange:
 - North L (Hour) is traded for the North L balancing area
 - L East (Hour) is traded for the LO (East) balancing zone
 - L West (Hour) is traded for the LW (West) balancing zone



* In addition to the hourly products shown on this page, there will also be hourly order books for the global product THE as well as the quality-specific product THE-L. The hourly products that may be available in these order books will be shown and traded in the THE system as a daily product with a flat delivery profile, i.e. they will not be used for structuring purposes.

Exchange product portfolio

Hourly products (1/2)

The following physical delivery restrictions apply to the hourly products:

- Physical delivery must take place exactly in the traded delivery hour.
- The point that is used must belong to the respective balancing area or balancing zone but within the balancing area or balancing zone the trading participant can generally choose freely (several points may be selected)
- Physical delivery of the trade may be effected by either increasing or reducing flows:
 - Trading participants sells: increase in inputs (Entryso) or reduction in offtakes (Exitso)
 - Trading participant buys: increase in offtakes (Exitso) or reduction in inputs (Entryso)

Exchange product portfolio

Hourly products (2/2)

Delivery restrictions (cont.):

- Delivery of the physical effect will be assessed based on the provider's net flows at the entry/exit points belonging to the respective balancing area or balancing zone (total Entryso inputs less total Exitso offtakes)
- The flow change must be effected based on the flows in the hour ("H-1") preceding the traded delivery hour ("H")
 - Relevant quantities are the final nominated quantities according to the allocation
- If an hourly product is traded for several consecutive delivery hours, the additional flow change from hour to hour must only correspond to the difference between the quantities traded in the respective two individual delivery hours to be considered

Bilateral product portfolio

Product overview

In the THE market area the following products ranking at level 4 of the merit order (MOL 4) will be used via the Balancing Services Portal from 1 October 2021:

Bilateral products
Long-Term Options (LTO) RoD
Long-Term Options (LTO) Hourly
Short-Term Balancing Services (STB)
Short-Call Balancing Services (SCB)
Flexibility Services (FLEX)

 **Products are tendered for the defined balancing zones or smaller balancing sectors. All tenders are published on the website in advance.**

Bilateral product portfolio

Product design

- The terms and conditions and product descriptions for the MOL 4 products are currently being revised and will be published in due time before the respective tenders
- The design of the THE products will be partly based on the existing products and partly on the new rules for locational exchange products
 - FLEX: Basic product design will generally be the same as before in the GPL market area (see next page for details on planned contractual changes)
 - LTO Hourly: Basic product design will generally be the same as before in the NCG market area
 - LTO RoD: Basic product design was already adjusted as of 1 October 2020; possibly further clarifications/adjustments to the net inflow/net outflow logic
 - SCB: Basic product design will generally be the same as before in the NCG market area
 - STB: Product design will reflect the rules for the locational exchange products

Bilateral product portfolio

Design of FLEX product

Planned changes in THE market area:

- Clarification that connection points to production facilities cannot be used for the FLEX product
- Possibility to vary the contents of a bid by way of a side letter will be integrated into the contract award process on the Balancing Services Portal (no separate paper contract required after award) plus clarification that such bids may be ranked below other bids in the contract award process
- New clause providing for how known maintenance measures are taken into account in the bidding and award process (obligation of the provider to notify the MAM and to take this into account when setting the price; MAM's right to rank such bids below other bids in the contract award process)
- New clause for the financial settlement of the gas account balance at the end of the contract period, insofar as a settlement in kind was not possible

Capacity buy-back Overview

- A capacity buy-back (CBB) is only carried out as a last resort in an MBI situation in accordance with the “KAP+” decision
 - A CBB is only carried out for the balancing area that has the oversupply ("upstream zone")
- The CBB is carried out by THE in coordination with the TSOs via a separate CBB portal run by THE
 - Market participants will always be informed about any CBB requirement at least 3.5 hours before the start of delivery
- A prerequisite for participating in tenders for the CBB is a separate registration with THE as a shipper
 - The registration takes place via THE’s customer portal
 - The terms of registration for the CBB are currently being drawn up

Capacity buy-back

Reduction of inputs

- The contractual obligations between the CBB provider and THE will be set out in a bilateral standard contract
 - This is currently being drawn up and will be published in good time before 1 October 2021
- Provider's obligation: To reduce its inputs to the oversupplied balancing area
 - Contracts are awarded at individual points, with the reduction to be implemented at the contracted point
 - Bids can be submitted for all TSO entry points which belong to the oversupplied balancing area and at which the provider has corresponding nominations for firm entry capacity for the delivery period
 - It should be noted that, in a bottleneck situation, the entry side of the cross-area VIPs is assigned to the undersupplied balancing area, which is why they cannot be used to participate in the CBB
 - As with the locational exchange products, physical delivery is assessed on a “net flow” basis, i.e. the reduction at the entry point must also result in a negative flow change on balance across the oversupplied balancing area

Capacity buy-back

Renomination restrictions for the provider

- During the delivery period, the CBB provider must not change its physical inputs and offtakes in the flow direction contrary to the bottleneck, again only considering the net flow across the balancing area
 - The delivery period always comprises the period from the first delivery hour stated in the tender until the end of the respective gas day (RoD)
- The renomination restriction always applies in both balancing areas, i.e.
 - in the oversupplied balancing area (upstream), the CBB provider may on balance neither increase its physical inputs nor reduce its physical offtakes, and
 - in the undersupplied balancing area (downstream), the CBB provider may on balance neither reduce its physical inputs nor increase its physical offtakes
- Apart from the above, the general renomination restriction logic underlying the locational exchange products applies accordingly
- For the CBB there is also a take-back obligation relative to the time of publication of the CBB requirement

Capacity buy-back

General renomination restriction

- In contrast to the MBI situation (spread product), the renomination restriction applicable to individual CBB providers can also be extended to all market participants using H-gas points
- However, according to the KAP+ decision, this will only happen if the TSOs come to the conclusion for a specific bottleneck situation that a threat to, or disruption of, the security or reliability of the gas supply system cannot be eliminated, or cannot be eliminated in time, without taking this step
- In this case, THE will announce the general renomination restriction after consultation with the TSOs for all H-gas market participants (section 16 (2) of the German Energy Industry Act - *EnWG*)
- In terms of content the general renomination restriction will correspond to the renomination restriction of the CBB providers
- The associated contractual provisions including the consequences in case of violation can be found in the Cooperation Agreement (KoV XII) in:
 - Annex 1: section 13a, new subsection 7 → Authorisation of the MAM by the TSOs
 - Annex 4: new section 25a → Specific rules defining the renomination restriction and penalties in case of violation

KRP Topics



KRP Basics

- Go Live of the KRP on 1.9.21
- The KRP will provide assistance
- THE is currently creating an explainer video for the KRP (will be available on the THE website)
- Shippers can register for the KRP from 1.6.21 via THE customer portal
- With the registration on KRP user is created
- Additional user must be commissioned at THE (Contact details will be published after 1.6.21)

- Current tenders are marked in light green

THE TRADING HUB EUROPE

Nikola Transportkunde

22.04.2021 15:37

Spalten: Auktions-ID, Auktionszeitraum von, Auktionszeitraum bis, Leistungszeitraum von, Leistungszeitraum bis Ende Gastag, Spannweite von (MWh/h), Spannweite bis (MWh/h), Engpasszone, Status, abgegebene / angenommene Angebote, Angebotene Leistung (MWh/h), Erstellt am

Auktions-ID	Auktionszeitraum von	Auktionszeitraum bis	Leistungszeitraum von	Leistungszeitraum bis Ende Gastag	Spannweite von (MWh/h)	Spannweite bis (MWh/h)	Engpasszone	Status	abgegebene / angenommene Angebote	Angebote Leistung (MWh/h)	Erstellt am
20210054	22.04.2021 12:10	22.04.2021 13:00	22.04.2021 16:00	23.04.2021 06:00	1.500	2.500	North	Angebotsannahme	1 / 0	150	22.04.2021 12:08
20210055	22.04.2021 15:36	22.04.2021 16:05	22.04.2021 20:00	23.04.2021 06:00	1.500	2.500	North	Auktionszeitraum	0 / 0	0	22.04.2021 15:34
20210053	21.04.2021 17:12	21.04.2021 18:30	21.04.2021 22:00	22.04.2021 06:00	500	1.100	North	Beendet	0 / 0	0	21.04.2021 17:10
20210052	21.04.2021 14:21	21.04.2021 14:40	21.04.2021 18:00	22.04.2021 06:00	90	120	North	Beendet	3 / 3	250	21.04.2021 14:20
20210051	14.04.2021 15:15	14.04.2021 16:00	14.04.2021 19:00	15.04.2021 06:00	1.500	2.500	South	Beendet	0 / 0	0	14.04.2021 15:07

KRP Auction overview

- By selecting a running auction a button for bidding is activated

The screenshot shows the 'Capacity buyback' section of the Trading Hub Europe interface. At the top, there is a navigation bar with the logo, 'Capacity buyback', and user information. Below this is a filter criteria bar. The main content area features an 'Auction ID' input field and a table of auctions. A red circle highlights the 'Add offer' button, which is only visible when an auction is selected. The table below shows two auction entries with their respective details.

Auction ID	Auction period from	Auction period until	Performance period from	Performance period until the end of the gas day	Range from (MWh/h)	Range to (MWh/h)	Shortage zone	Status	Offers submitted / accepted	Offered performance (MWh/h)	Created on
20210054	22.04.2021 12:10	22.04.2021 13:00	22.04.2021 16:00	23.04.2021 06:00	1.500	2.500	North	Auktionszeitraum	0 / 0	0	22.04.2021 12:08
20210053	21.04.2021 17:12	21.04.2021 18:30	21.04.2021 22:00	22.04.2021 06:00	500	1.100	North	Beendet	0 / 0	0	21.04.2021 17:10

KRP Bidding

- Entering the data for the offer with acceptance of the GTC
- Confirmation and submission of the offer

Add offer ?

Auction ID:	20210054
Service period:	22.04.2021 16:00 - 23.04.2021 06:00
Allowed performance range (MWh/h):	1.500 - 2.500
Performance (MWh/h)*	Price per unit (EUR/MWh/h)*
150	3,5
Network operator*	Netpoint*
GASPOOL-TSO 2	Netzpunkt 4
Contract ID*	Balance group*
45059907	THE0BEH923233333

confirm that I have read the terms and [conditions for the capacity buyback](#) and I agree to them.

*Mandatory input

✓ ✗

Add offer ?

Add offer ?

Auction ID:	20210054
Service period	22.04.2021 16:00 - 23.04.2021 06:00
Allowed performance range (MWh/h)	1.500 - 2.500
Performance (MWh/h):	150
Price per unit (EUR/MWh/h):	3.50
Network operator:	GASPOOL-TSO 2
Netpoint:	Netzpunkt 4
Contract ID:	45059907
Balance group:	THE0BEH923233333

✓ ✗

✓ ✗

KRP Modification and withdrawal of offers

- Offers may be modified or withdrawn

The screenshot displays the 'Capacity buyback' interface on the Trading Hub Europe platform. It features a top navigation bar with the logo, 'Menu', 'Language', and user information. The main content area includes a search bar, a table of offers, and two modal windows: 'Edit offer data' and 'Withdraw offer'.

Table 1: Auction Data

Auction ID	Auction period from	Auction period until	Performance
20210054	22.04.2021 12:10	22.04.2021 13:00	22.04.2021

Table 2: Offers for auction 20210054

Auction	Offer counter	Offer ID
20210054	2	202100543640
20210054	1	202100541824
Total:		250

Table 3: Offer Details (from 'Withdraw offer' modal)

Auction ID:	20210054
Service period:	22.04.2021 16:00 - 23.04.2021 06:00
Allowed performance range (MWh/h):	1.500 - 2.500
Performance (MWh/h):	100
Price per unit (EUR/MWh/h):	3.00
Network operator:	GASPOOL-TSO 2
Netpoint:	Netzpunkt 4
Contract ID:	74526
Balance group:	THE0BEH923233333

Table 4: Offer Summary (from bottom table)

Balance group	State	Called amount (MWh/h)
THE0BEH923233333	Neu	
THE0BEH923233333	Neu	
Total:		0

MBI and CBB processes

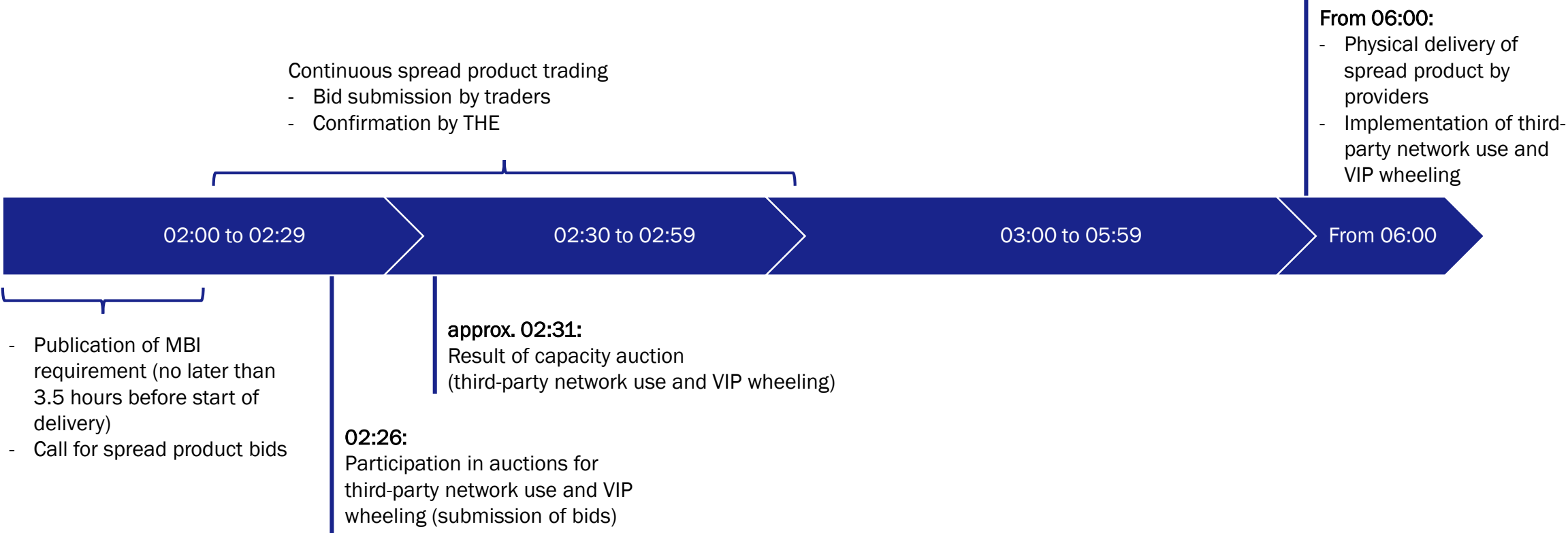
Trading Hub Europe



Process description

MBI actions

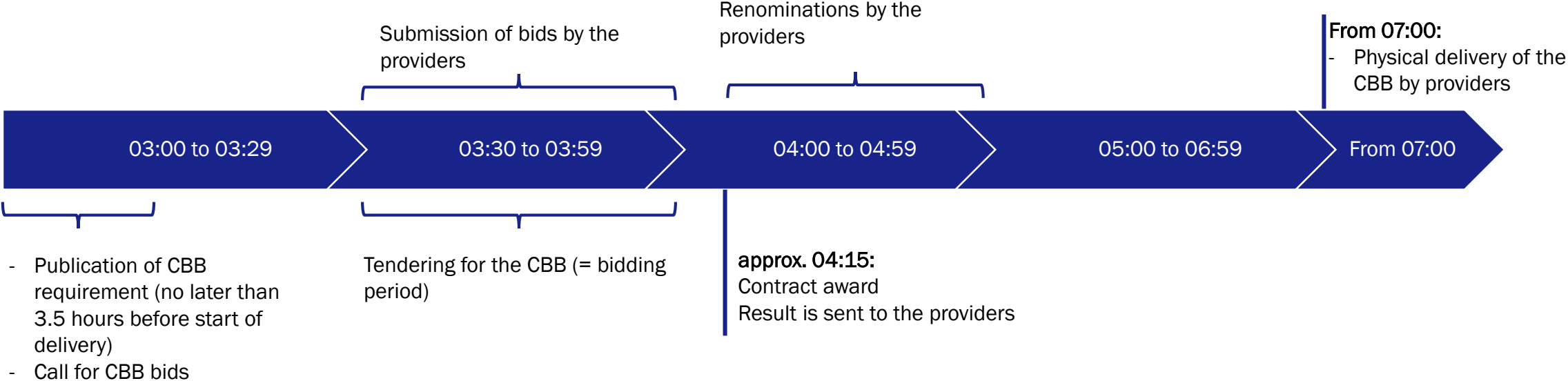
Example of MBI process for a delivery period starting from 06:00



Process description

Capacity buy-back

Example of CBB process for a delivery period starting from 07:00



MBI and CBB publication

Trading Hub Europe



MBI and CBB publication

Publication of MBI requirements

- THE will publish its MBI requirements in the form of a volume range on its website, with publication normally taking place with a lead time of at least three and a half (3.5) hours before the start of delivery
- The spread product is the only MBI that is traded with balancing group managers (BGMs). BGMs who wish to participate in spread product trading may register for the free subscription service on the MAM's website to ensure they are made aware whenever the MAM publishes an MBI requirement
- Market participants have no legal claim for the MAM to accept bids



The screenshot shows a web interface titled "MBI Bedarfsmeldung". Below the title is a yellow progress bar. A dark blue button labeled "Tabellenfilter" with a right-pointing arrow is visible. Below this are several filterable columns: "Zeitpunkt der Veröffentlichung" (with a dropdown arrow), "Status" (with a double-headed arrow), "von" (with a double-headed arrow), "bis" (with a double-headed arrow), "Beschreibung" (with a double-headed arrow), and "Ergänzende Informationen" (with a double-headed arrow).

Preliminary view; currently only available in German

MBI and CBB publication

Publication of MBI actions

- Whenever the MAM actually takes MBI actions, this will be published on the THE website on the same gas day
- Published information will be subdivided into the categories "VIP wheeling", "Third-party network use", "Spread product" and "Allocated trades"
- The details published include the delivery rate and duration of the MBI action as well as the cost of the respective MBI used
- In addition, THE will publish the aggregated costs for the respective year
- The "Allocated trades" publication is explained on the following page

Veröffentlichung MBI Einsatz

VIP-Wheeling

Drittnetznutzung

Spread-Produkt

Zugeteilte Trades

Preliminary view; currently only available in German

Information on (spread product):

- Location
- Gas day
- Delivery period
- Number of delivery hours
- Costs/revenues
- etc.

MBI and CBB publication

Publication and allocation of costs where balancing actions and MBI actions are taken at the same time

- As the physical MAM products can be used for spread product purposes as well as for the purposes of balancing actions, it may happen in a bottleneck situation that the products are used for both purposes during the same period of time
- THE will publish the products used by the MAM for each single trade on its website
- In order to enable an appropriate cost allocation between the “MBI” and “balancing” activities, all trades executed by the MAM are shown together in a single table ("Allocated trades")
- An allocation key is determined based on these trades and used to allocate the costs/revenues between the relevant accounts in an appropriate manner
- On this basis, the trades are then also published in the tables showing balancing and spread product trades as appropriate

MBI and CBB publication

Publication of capacity buy-back requirements

- THE will only determine a capacity buy-back (CBB) requirement and announce it on its website in the form of a volume range if the MBIs actions taken were not sufficient and there continues to be a need for further action
- The CBB requirement will be published at least three and a half (3.5) hours before the start of delivery
- Market participants who wish to participate in the CBB product may register for the free subscription service on the MAM's website to ensure they are made aware whenever the MAM publishes a CBB requirement
- Market participants have no legal claim for the MAM to accept bids

Veröffentlichung des Kapazitätsrückkaufsbedarfs

Tabellenfilter ▶

Auktions ID	Auktionszeitraum von	Auktionszeitraum bis	Leistungszeitraum von	Leistungszeitraum bis	Engpasszone
-------------	----------------------	----------------------	-----------------------	-----------------------	-------------

Preliminary view; currently only available in German

MBI and CBB publication

Publication of effected capacity buy-backs

- All bids accepted as part of a CBB will be published on the THE website on the following day D+1
- The details published include the delivery rate and duration of the CBB action as well as the cost
- In addition, THE will publish the aggregated costs for the respective year

Veröffentlichung der rückgekauften Kapazität

Tabellenfilter

Auktions ID	Leistungszeitraum von	Leistungszeitraum bis	Engpasszone	Leistung	Preis	Kosten
-------------	-----------------------	-----------------------	-------------	----------	-------	--------

Preliminary view; currently only available in German

Information on:

- Gas day
- Delivery period
- Number of delivery hours
- Area affected
- Costs/revenues
- etc.

Bilateral tenders

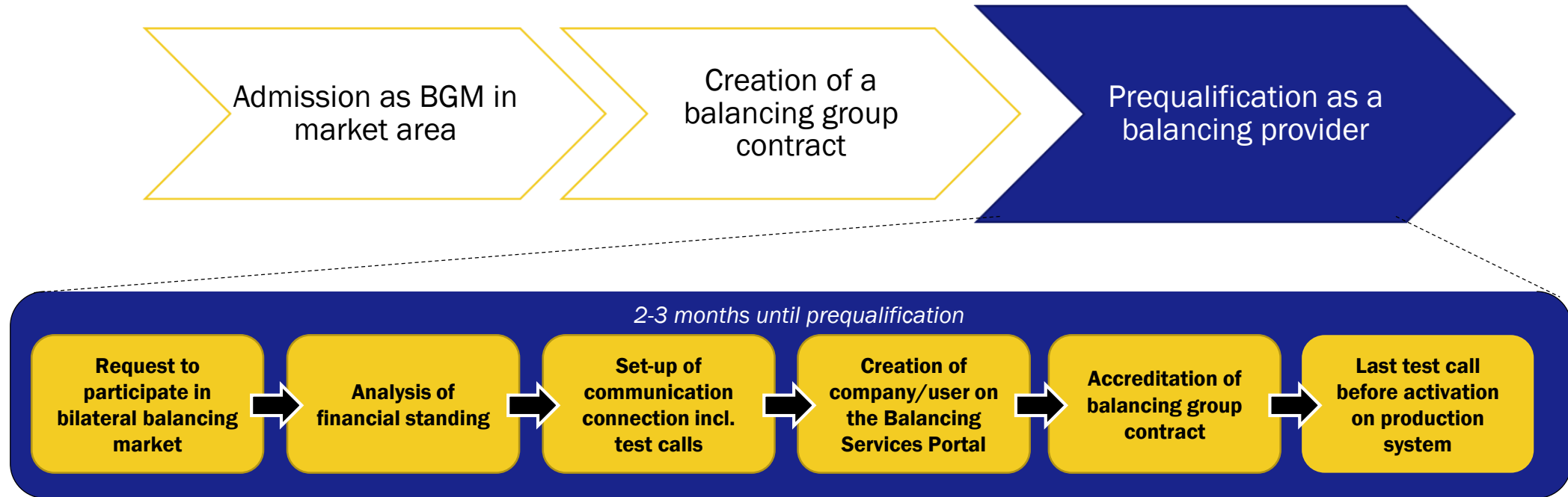
Trading Hub Europe



Bilateral tenders

Participation in bilateral balancing market (1/2)

Steps to becoming a balancing provider for products ranking at level 4 of the merit order (MOL 4)



Participation in bilateral balancing market (2/2)

Information on message types

- For the message exchange (REQUEST/REQRES) taking place for call orders on the bilateral products LTO and STB an AS2 connection between the balancing provider and THE is required
- The message types REQUEST/REQRES will only be used in an in-house format (already used by NCG)

Information for prequalified balancing providers

- The current prequalification rules are being revised and will be communicated to the balancing providers in good time
- Balancing providers who already hold a valid prequalification from at least one of the two German MAMs will not have to prequalify again
- However, the MAM may still conduct new communication tests with balancing providers under certain conditions
- Balancing providers will be contacted by the MAMs so that the communication requirements can be checked again and communication tests be carried out as necessary
- Login details for the new Balancing Services Portal will be made available by the MAMs in a timely manner

Bilateral tenders

Long-term tenders in 2021

Bilateral product	Direction	Bidding period	Contract period
FLEX	Parking & lending	Jun / Jul 2021	Oct 2021 – Mar 2022
SCB	System Buy / System Sell	Aug / Sep 2021	Oct 2021
	System Buy / System Sell	Sep / Oct 2021	Nov 2021
	System Buy / System Sell	Oct / Nov 2021	Dec 2021
	System Buy / System Sell	Nov / Dec 2021	Jan 2022
LTO, RoD	System Buy	Aug / Sep 2021	Q4 2021
LTO, Hourly	System Buy / System Sell	Aug / Sep 2021	Q4 2021
LTO, RoD	System Buy	Oct / Nov 2021	Jan – Mar 2022
LTO, Hourly	System Buy / System Sell	Nov / Dec 2021	Q1 2022

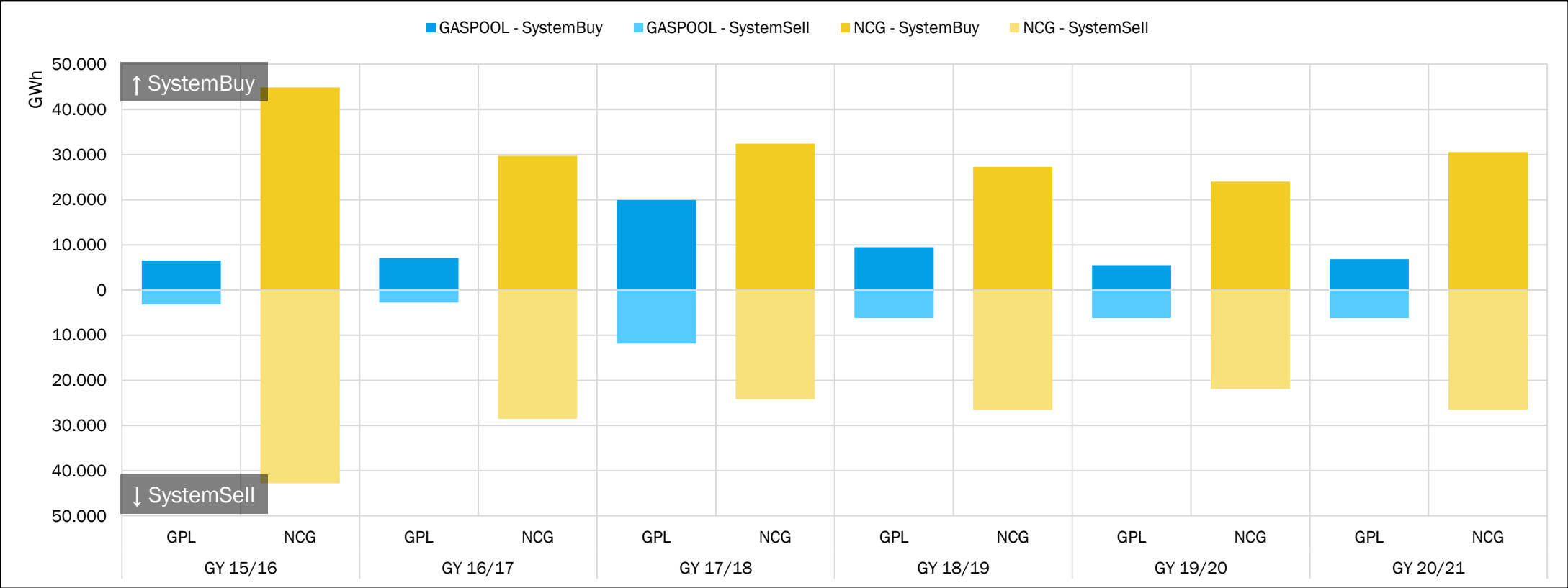
Analysis of balancing actions

Trading Hub Europe



Analysis of balancing actions

Balancing quantities per market area and GY

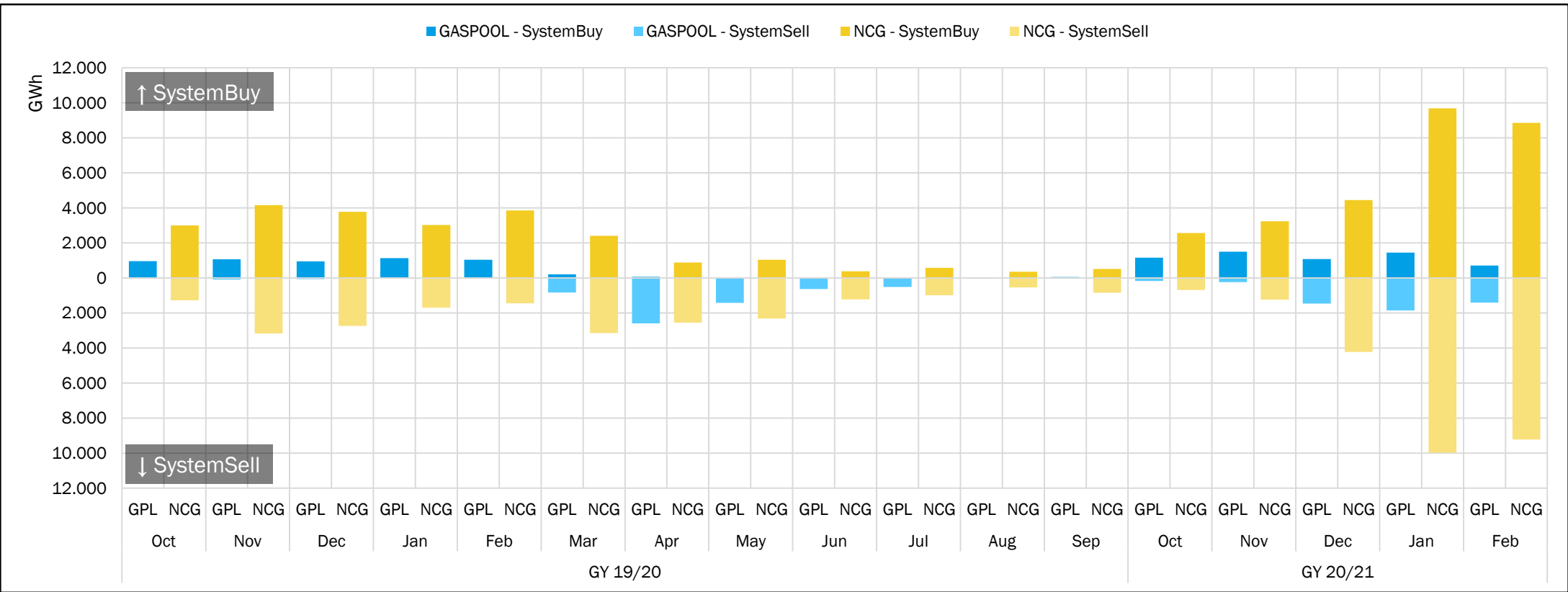


*) The data for GY 2020/21 only includes the data up to and including 02/2021



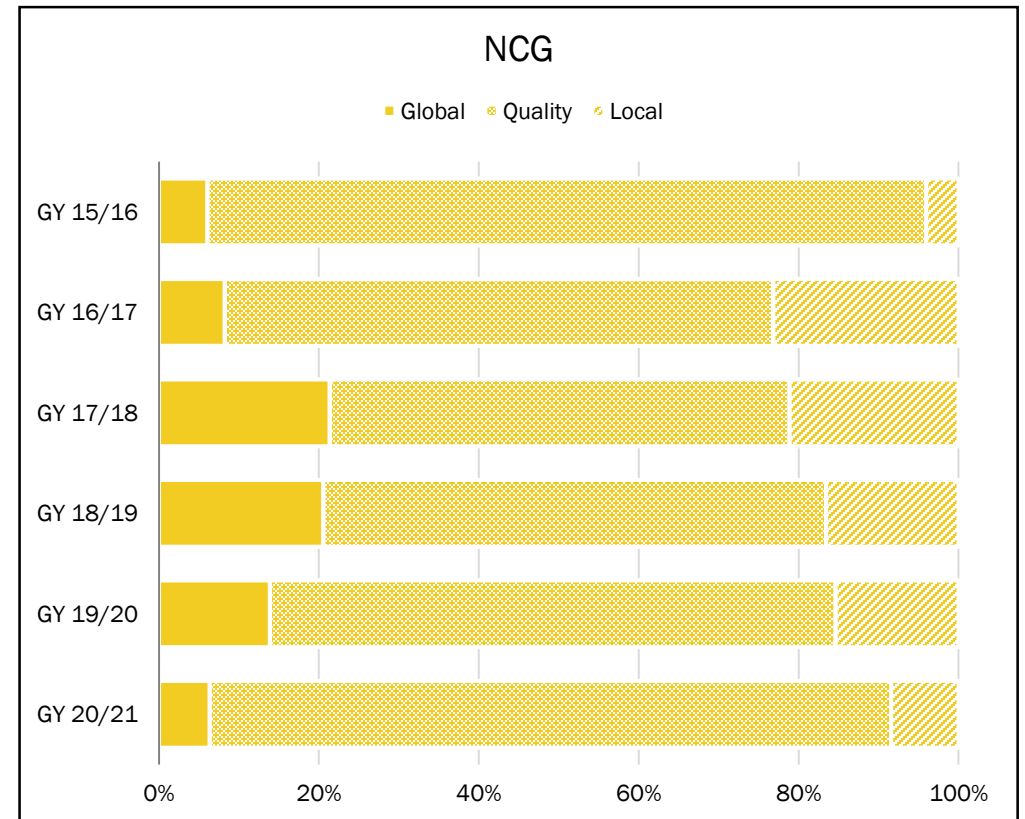
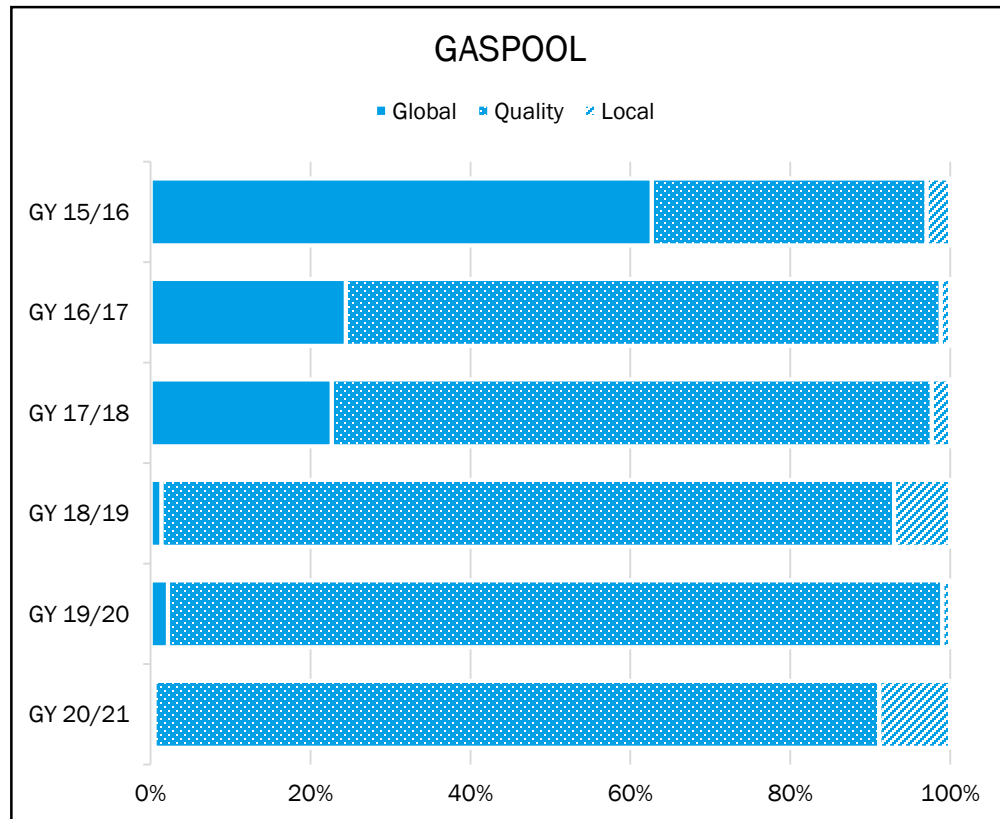
Analysis of balancing actions

Balancing quantities per market area and month



Analysis of balancing actions

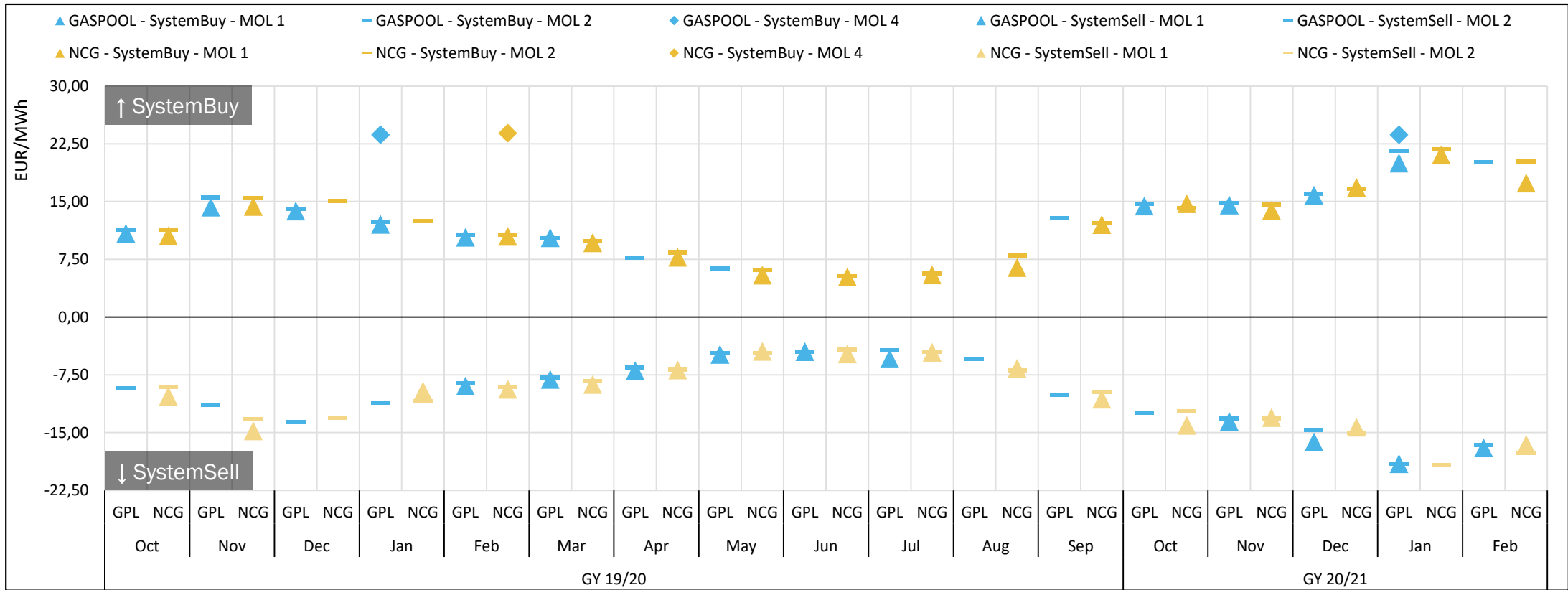
Balancing actions by balancing criterion per GY/market area



*) The data for GY 2020/21 only includes the data up to and including 02/2021

Analysis of balancing actions

Balancing prices per market area and merit order rank

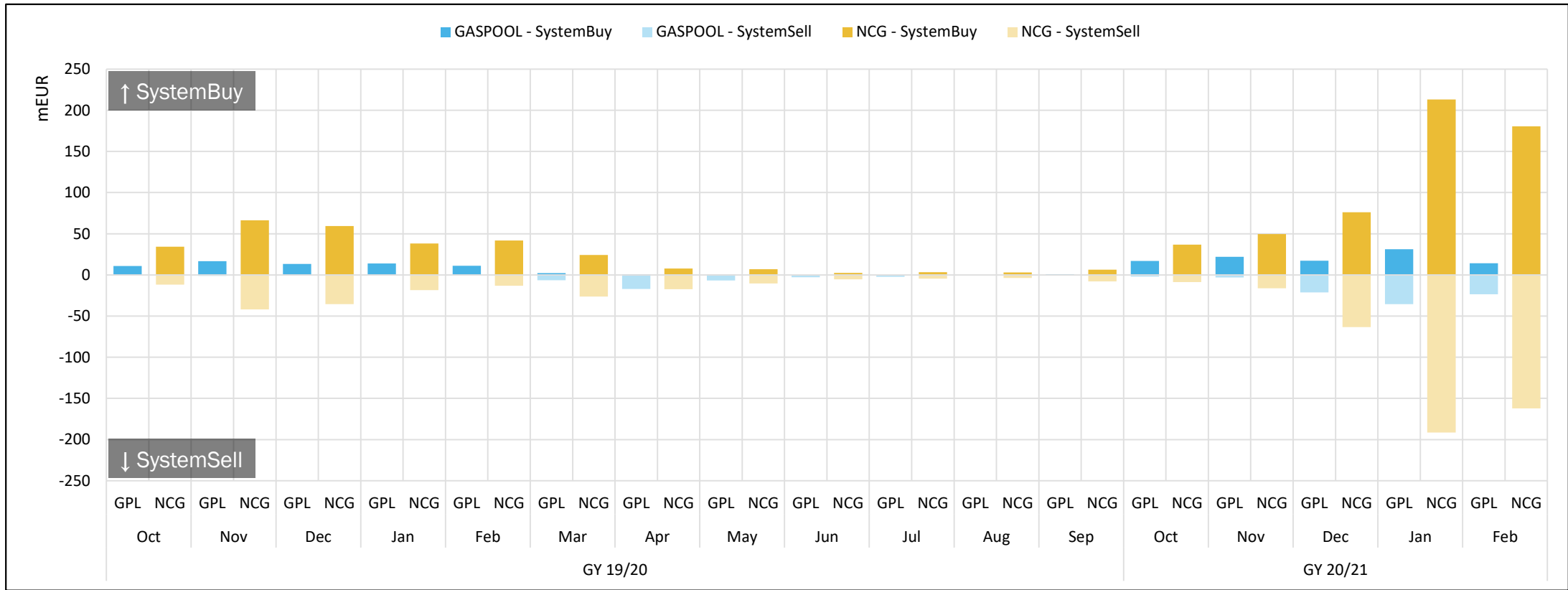


Volume-weighted monthly average buy/sell price per market area and MOL rank; NCG data does not include hourly products



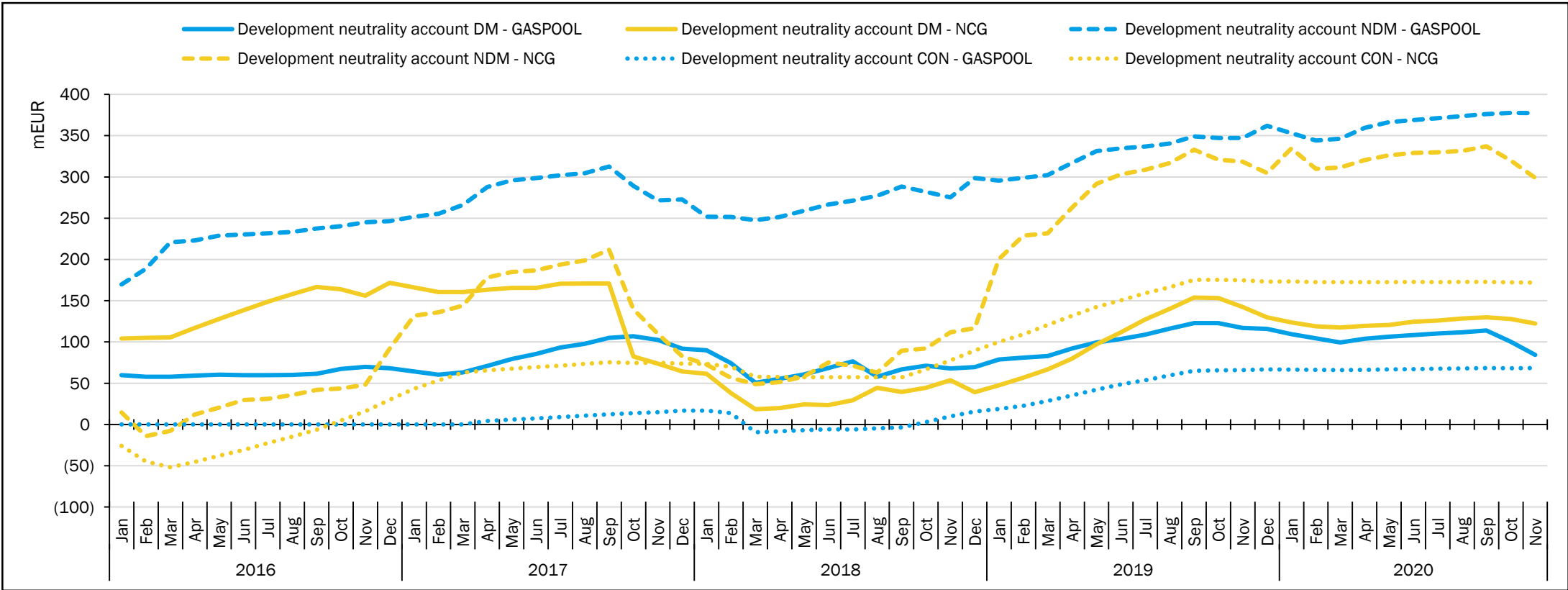
Analysis of balancing actions

Balancing costs per market area and month



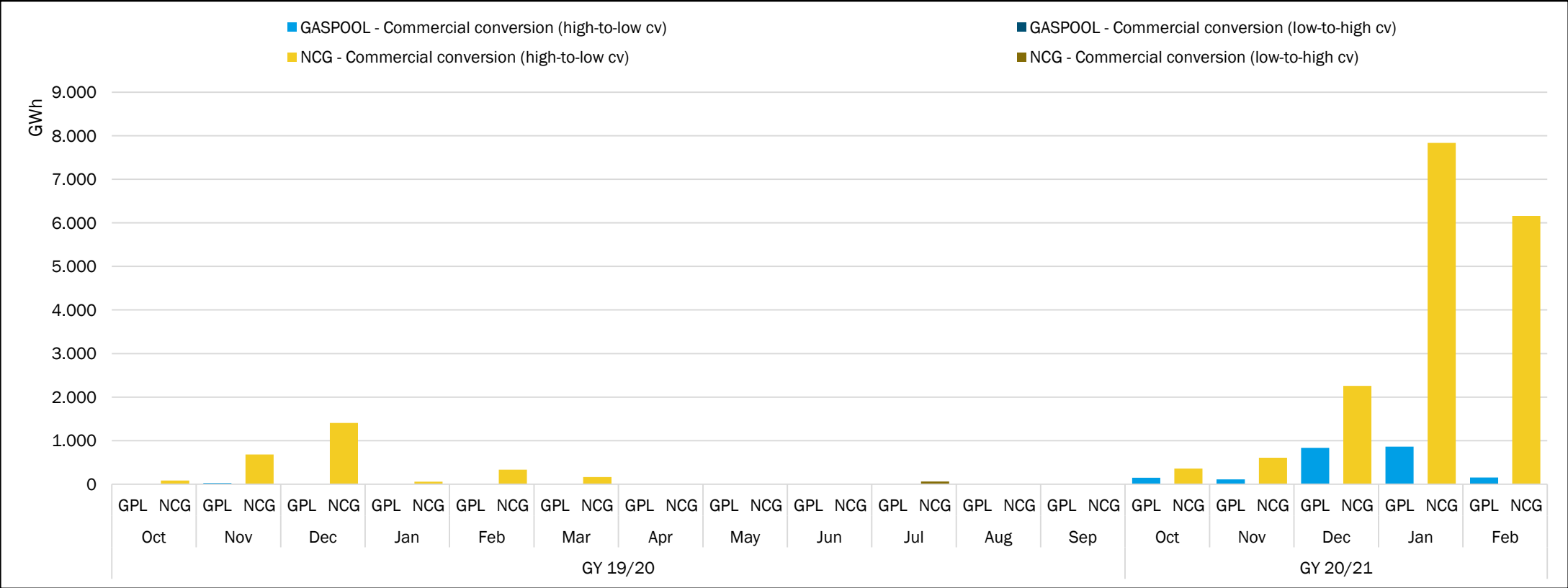
Analysis of balancing actions

Development of the balancing neutrality accounts



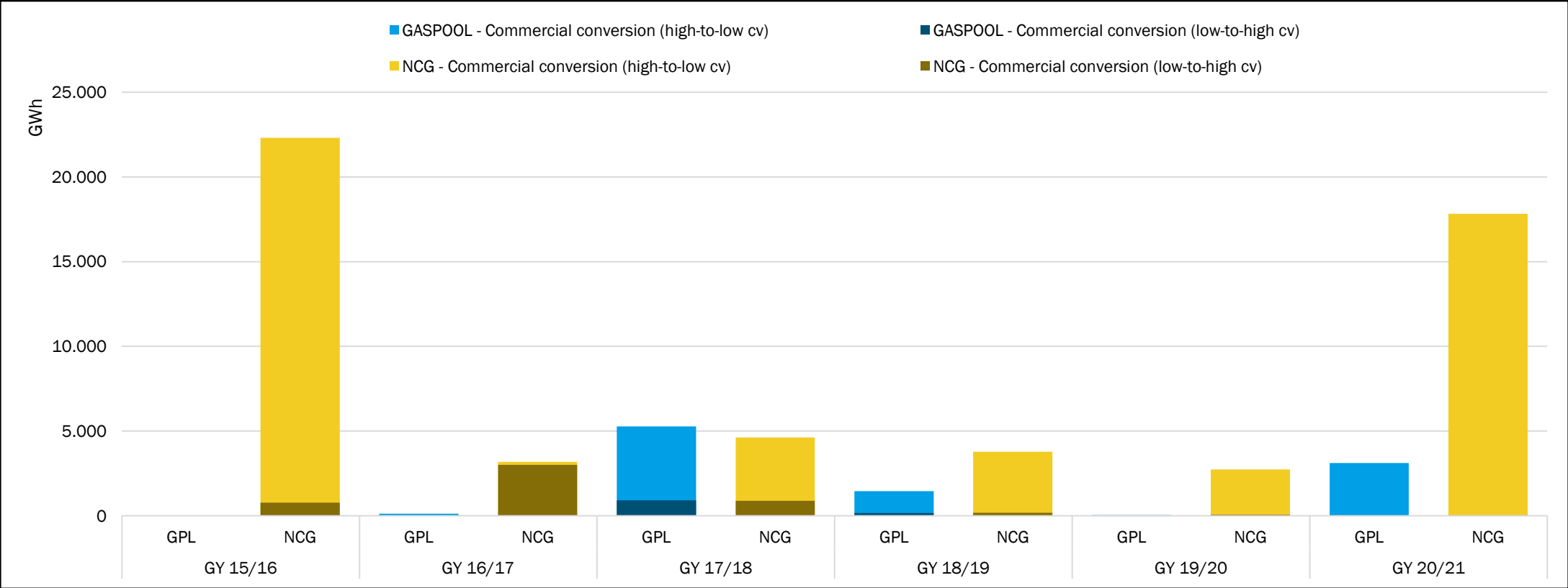
Analysis of balancing actions

Commercial conversion per month and market area



Analysis of balancing actions

Commercial conversion per GY and market area



IT implementation status update

Trading Hub Europe





Balancing Services Portal (BSP) Login

Go-live on 15 June 2021



Balancing Services Portal

 Benutzername *

 Passwort *

Anmelden

Balancing Services Portal (BSP) Settings/language

The screenshot shows the top navigation bar of the Balancing Services Portal. On the left is the logo for Trading Hub Europe, consisting of a stylized yellow 'TME' and the text 'TRADING HUB EUROPE'. Below the logo is a blue bar with the text 'Balancing Services Portal' and a hamburger menu icon. A 'Navigation' menu is visible below this bar. On the right side, there is a user profile section with a blue button labeled 'SIDAHMEDD' and a dropdown arrow. Below this button is a grey menu with 'User Settings' and 'Logout' options. To the right of the user profile is a 'logged in as' section with a dropdown menu showing 'Select One'. Further right are links for 'Home', 'en', and the time '15:34:11'.

The screenshot shows the 'User Settings' page for user 'SIDAHMEDD'. The page has a blue header with the 'Balancing Services Portal' logo and navigation links. A left sidebar contains a 'Navigation' menu with 'Home', 'Master Data', and 'Auctions'. The main content area is titled 'User Settings: SIDAHMEDD' and is divided into two sections: 'General' and 'Account'. The 'General' section contains a 'Display language' dropdown menu set to 'English'. The 'Account' section contains a 'Password' field with a blue 'Change Password' button.

Balancing Services Portal (BSP)

Overview of the open calls for tenders

The screenshot displays the Balancing Services Portal (BSP) interface. At the top left is the logo for TRADING HUB EUROPE. The top right shows the user 'SIDAHMEDD' logged in as 'TRADER1 - TRADER'. The main navigation bar includes 'Balancing Services Portal', 'Home', 'en', and '15:22:38'. A left sidebar contains navigation options: Home, Master Data (Person List, Companies), and Auctions. The main content area is titled 'Tenders' and is divided into four sections: Short-Term Balancing Services, Long-Term Options, Short-Call Balancing Services, and Flexibility Services. The Short-Term section features two yellow boxes for dates 18.04.21 and 19.04.21, each containing 'SystemSELL' and 'SystemBUY'. A legend below indicates bidding status: blue for 'Bidding Closed', yellow for 'Bidding Opened', and red for 'Bidding Opened // High Demand'. The Long-Term Options section lists 'THE_Hour_SystemSell_long-term_Q3-2021' and 'THE_RoD_SystemBuy_long-term_Q4-2021'. The Short-Call Balancing Services section lists 'THE_SCB_SystemBUY_05_2021'. The Flexibility Services section lists 'THE_SystemBuy_flex_firm_05_2021', 'THE_SystemBuy_flex_interruptible_05-2021', and 'THE_SystemBuy_flex_interruptible_06_2021'.

Balancing Services Portal (BSP)

Submission of bid for Short Term Balancing – System Sell

Product: SystemSELL Shortterm Direction: SystemSELL Gas Day: 18.04.2021 Close of Tender: 19.04.2021 03:59

Own Bids

	Volume [MW]	Price [EUR/MWh]	Call Lead Time [h]	Gas Quality	Zone	Sector	Bidding Time	Nomination Qualifier
New Bid>>>	<input type="text" value="250"/>	<input type="text" value="20"/>	<input type="text" value="3"/>	<input type="text" value="TRADER1_NC"/>	<input type="text" value="LO"/>	<input type="text" value="DOTSCH"/>		<input checked="" type="checkbox"/> Accept the terms & conditions

✓ Successfully saved

Product: SystemSELL Shortterm Direction: SystemSELL Gas Day: 18.04.2021 Close of Tender: 19.04.2021 03:59

Own Bids

	Volume [MW]	Price [EUR/MWh]	Call Lead Time [h]	Gas Quality	Zone	Sector	Bidding Time	Nomination Qualifier
New Bid>>>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="-"/>	<input type="text" value="-"/>	<input type="text" value="-"/>		<input checked="" type="checkbox"/> Accept the terms & conditions
	250	20.00	3	TRADER1_NCGL	LO	DOTSCH	18.04.2021 15:26	TRADER1ROLO001

Balancing Services Portal (BSP)

Submission of bid for LTO Hour System Sell

Tenders > Bid entry

Bid entry: THE_Hour_SystemSell_long-term_Q3-2021 Back

✔ Successfully saved

Tender type: Long-Term Option / Hour Market Area: THE Planned close date: 30.04.2021 06:00 Contract period: 01.07.2021 06:00 - 01.10.2021 06:00

Tender quantities: SystemSELL Longterm Hour: 1,000 MW

Bid filter:

Bids (3) [I accept the terms & conditions](#) Add bid(s)

Gas Quality*	Product*	Lot Size*	Capacity Charge*	Commodity Charge*	Zone*	Bid Time	<input type="checkbox"/> <input type="checkbox"/>
TRADER1_NCGL	SystemSELL Longterm Hour	10 MW	1,000.00 EUR	0.25 EUR/MWh	L-Gas Ost	30.03.2021 15:55:21	<input type="checkbox"/>
TRADER1_NCGL	SystemSELL Longterm Hour	10 MW	1,010.00 EUR	0.24 EUR/MWh	L-Gas West	30.03.2021 15:58:32	<input type="checkbox"/>
TRADER1_NCGL	SystemSELL Longterm Hour	10 MW	900.00 EUR	3.00 EUR/MWh	L-Gas Ost	31.03.2021 15:43:21	<input type="checkbox"/>

Save
Delete
Edit
Reset
Report

Balancing Services Portal (BSP)

Submission of bid for LTO RoD System Buy

Tenders > Bid entry

Bid entry: THE_RoD_SystemBuy_long-term_Q4-2021 Back

✓ Successfully saved

Tender type: Long-Term Option / Rest of the Day	Market Area: THE	Planned close date: 30.04.2021 06:00	Contract period: 01.10.2021 06:00 - 01.01.2022 06:00
Tender quantities: SystemBUY Longterm: 800 MW <input type="text"/>	Maximal call days: 92	Minimal Lotsize: 10 MW	Maximum Lotsize: 1,000 MW Increment: 1 MW

Bid filter:

Bids (2) [I accept the terms & conditions](#) Add bid(s)

Gas Quality*	Product*	Lot Size*	Capacity Charge*	Commodity Charge*	Zone*	Bid Time	<input type="checkbox"/> <input type="checkbox"/>
TRADER1_NCGL	SystemBUY Longterm	300 MW	30,000.00 EUR	0.25 EUR/MWh	L-Gas Ost	30.03.2021 16:09:29	<input type="checkbox"/>
TRADER1_NCGL	SystemBUY Longterm	150 MW	15,000.00 EUR	23.00 EUR/MWh	L-Gas West	31.03.2021 15:48:20	<input type="checkbox"/>

Save Delete Edit Reset Report

Balancing Services Portal (BSP)

Submission of bid for Flexibility Services – System Buy L-gas firm

Tenders > Bid entry

Bid entry: THE_SystemBuy_flex_firm_05_2021 Back

✓ Successfully saved

Tender type: Flexibility Services Market Area: THE Planned close date: 30.04.2021 06:00 Contract period: 01.05.2021 06:00 - 01.06.2021 06:00

Tender quantities: SystemBUY FLEX: 1,500 MW 🔍 Gas Quality: L-Gas Liability: Fixed

Bid filter: ▾

Bids (4) [I accept the terms & conditions](#) 1 Add bid(s)

Gas Quality*	Product*	Calculation Type*	Borrowing/Parking*	Lot Size*	Capacity Charge*	Commodity Charge*	Zone*	Physical Point*	Bid Time	<input type="checkbox"/> <input type="checkbox"/>
TRADER1_NCGL	SystemBUY FLEX	Modality 1	1:1	300 MW	125,000.00 EUR	0.29000 EUR/MWh	L-Nowega	Empelde	14.04.2021 16:55:38	<input type="checkbox"/>
TRADER1_NCGL	SystemBUY FLEX	Modality 1	1:1	300 MW	125,000.00 EUR	0.29000 EUR/MWh	L-Nowega	Empelde	14.04.2021 16:55:38	<input type="checkbox"/>
TRADER1_NCGL	SystemBUY FLEX	Modality 2	1:1	120 MW	64,000.00 EUR	0.00200 EUR/MWh	L-Gasunie	UGS Nuettermoor	14.04.2021 16:56:25	<input type="checkbox"/>
TRADER1_NCGL	SystemBUY FLEX	Modality 1	1:1	100 MW	59,500.00 EUR	25.00000 EUR/MWh	L-Gastransport Nord	UGS EWE L-Gas	18.04.2021 15:03:35	<input type="checkbox"/>

Save Delete Edit Reset Report

Balancing Services Portal (BSP)

Submission of bid for Flexibility Services – System Buy H-gas

Tenders > Bid entry

Bid entry: THE_SystemBuy_flex_interruptible_05-2021 Back

✓ Successfully saved

Tender type: Flexibility Services Market Area: THE Planned close date: 30.04.2021 06:00 Contract period: 01.05.2021 06:00 - 01.06.2021 06:00

Tender quantities: SystemBUY FLEX: 0 MW Gas Quality: H-Gas Liability: Interruptible

Bid filter:

Bids (2) I accept the terms & conditions Add bid(s)

Gas Quality*	Product*	Borrowing/Parking*	Lot Size*	Commodity Charge*	Zone*	Physical Point*	Bid Time	<input type="checkbox"/>
TRADER1_NCG	SystemBUY FLEX	1:1	1,200 MW	0.25000 EUR/MWh	H-Gasunie	UGS Uelsen	30.03.2021 16:50:34	<input type="checkbox"/>
TRADER1_NCG	SystemBUY FLEX	1:1	1,500 MW	29.00000 EUR/MWh	H-Gasunie	UGS Uelsen	31.03.2021 15:53:52	<input type="checkbox"/>

Save Delete Edit Reset Report

Balancing Services Portal (BSP)

Offer confirmation and call-offs

Long-term tenders

- Flex (Alt GPL)/ SCB (Alt NCG)/ LTO (RoD, Hourly)
- Participants will be contacted via email, acceptance or rejection
- In case of acceptance please confirm the confirmation email
- LTO calls are made directly from THE dispatching
- Send Request/ Reqres
- Flex calls are made directly by the TSO
- SCB calls are made by THE dispatching

Short term calls

- STB (Short Term Balancing)
- Call-offs are made by THE dispatching
- Send Request/ Reqres

KRP Basics



KRP Basics

- Go Live of the KRP on 1.9.21
- The KRP will provide assistance
- THE is currently creating an explainer video for the KRP (will be available on the THE website)
- Shippers can register for the KRP from 1.6.21 via THE customer portal
- With the registration on KRP user is created
- Additional user must be commissioned at THE (Contact details will be published after 1.6.21)

- Current tenders are marked in light green

THE TRADING HUB EUROPE

Nikola Transportkunde

22.04.2021 15:37

Tabellenfilter

Spalten: Auktions-ID, Auktionszeitraum von, Auktionszeitraum bis, Leistungszeitraum von, Leistungszeitraum bis Ende Gastag, Spannweite von (MWh/h), Spannweite bis (MWh/h), Engpasszone, Status, abgegebene / angenommene Angebote, Angebotene Leistung (MWh/h), Erstellt am

Auktions-ID	Auktionszeitraum von	Auktionszeitraum bis	Leistungszeitraum von	Leistungszeitraum bis Ende Gastag	Spannweite von (MWh/h)	Spannweite bis (MWh/h)	Engpasszone	Status	abgegebene / angenommene Angebote	Angebotene Leistung (MWh/h)	Erstellt am
20210054	22.04.2021 12:10	22.04.2021 13:00	22.04.2021 16:00	23.04.2021 06:00	1.500	2.500	North	Angebotsannahme	1 / 0	150	22.04.2021 12:08
20210055	22.04.2021 15:36	22.04.2021 16:05	22.04.2021 20:00	23.04.2021 06:00	1.500	2.500	North	Auktionszeitraum	0 / 0	0	22.04.2021 15:34
20210053	21.04.2021 17:12	21.04.2021 18:30	21.04.2021 22:00	22.04.2021 06:00	500	1.100	North	Beendet	0 / 0	0	21.04.2021 17:10
20210052	21.04.2021 14:21	21.04.2021 14:40	21.04.2021 18:00	22.04.2021 06:00	90	120	North	Beendet	3 / 3	250	21.04.2021 14:20
20210051	14.04.2021 15:15	14.04.2021 16:00	14.04.2021 19:00	15.04.2021 06:00	1.500	2.500	South	Beendet	0 / 0	0	14.04.2021 15:07

KRP Auction overview

- By selecting a running auction a button for bidding is activated

The screenshot shows the 'Capacity buyback' section of the Trading Hub Europe interface. At the top left is the logo and 'Capacity buyback' text. On the right, there are navigation options: 'Menu', 'Language', and the user 'Nikola Transportkunde'. Below this is a header bar with 'Auction overview (Shipper)' and 'Filter criteria'. A search bar for 'Auction ID' is present. A red circle highlights the 'Add offer' button, which is active for the selected auction. Below the search bar, the results are shown as 'Result : 04/22/2021 12:21 PM'. A table filter is set to 'Columns' with a dropdown menu. The table has 12 columns: Auction ID, Auction period from, Auction period until, Performance period from, Performance period until the end of the gas day, Range from (MWh/h), Range to (MWh/h), Shortage zone, Status, Offers submitted / accepted, Offered performance (MWh/h), and Created on. Two rows are visible in the table.

Auction ID	Auction period from	Auction period until	Performance period from	Performance period until the end of the gas day	Range from (MWh/h)	Range to (MWh/h)	Shortage zone	Status	Offers submitted / accepted	Offered performance (MWh/h)	Created on
20210054	22.04.2021 12:10	22.04.2021 13:00	22.04.2021 16:00	23.04.2021 06:00	1.500	2.500	North	Auktionszeitraum	0 / 0	0	22.04.2021 12:08
20210053	21.04.2021 17:12	21.04.2021 18:30	21.04.2021 22:00	22.04.2021 06:00	500	1.100	North	Beendet	0 / 0	0	21.04.2021 17:10

KRP Bidding

- Entering the data for the offer with acceptance of the GTC
- Confirmation and submission of the offer

Add offer



Auction ID:	20210054
Service period:	22.04.2021 16:00 - 23.04.2021 06:00
Allowed performance range (MWh/h):	1.500 - 2.500
Performance (MWh/h)*	Price per unit (EUR/MWh/h)*
150	3,5
Network operator*	Netpoint*
GASPOOL-TSO 2	Netzpunkt 4
Contract ID*	Balance group*
45059907	THE0BEH923233333

confirm that I have read the terms and [conditions for the capacity buyback](#) and I agree to them.

*Mandatory input



Add offer



Add offer



Auction ID:	20210054
Service period	22.04.2021 16:00 - 23.04.2021 06:00
Allowed performance range (MWh/h)	1.500 - 2.500
Performance (MWh/h):	150
Price per unit (EUR/MWh/h):	3.50
Network operator:	GASPOOL-TSO 2
Netpoint:	Netzpunkt 4
Contract ID:	45059907
Balance group:	THE0BEH923233333



KRP Modification and withdrawal of offers

- Offers may be modified or withdrawn

The screenshot displays the 'Capacity buyback' interface on the Trading Hub Europe platform. It features a top navigation bar with the logo, 'Menu', 'Language', and user information. The main content area includes a search bar, a table of offers, and two modal windows for editing and withdrawing offers.

Table 1: Auction Results

Auction ID	Auction period from	Auction period until	Performance
20210054	22.04.2021 12:10	22.04.2021 13:00	22.04.2021

Table 2: Offers for auction 20210054

Auction	Offer counter	Offer ID
20210054	2	202100543640
20210054	1	202100541824
Total:		250

Table 3: Offer Details (from 'Withdraw offer' modal)

Auction ID:	20210054
Service period:	22.04.2021 16:00 - 23.04.2021 06:00
Allowed performance range (MWh/h):	1.500 - 2.500
Performance (MWh/h):	100
Price per unit (EUR/MWh/h):	3.00
Network operator:	GASPOOL-TSO 2
Netpoint:	Netzpunkt 4
Contract ID:	74526
Balance group:	THE0BEH923233333

Table 4: Offer Summary (from bottom table)

Balance group	State	Called amount (MWh/h)
THE0BEH923233333	Neu	
THE0BEH923233333	Neu	
Total:		0

THE website

Trading Hub Europe



General

Go-live of THE website

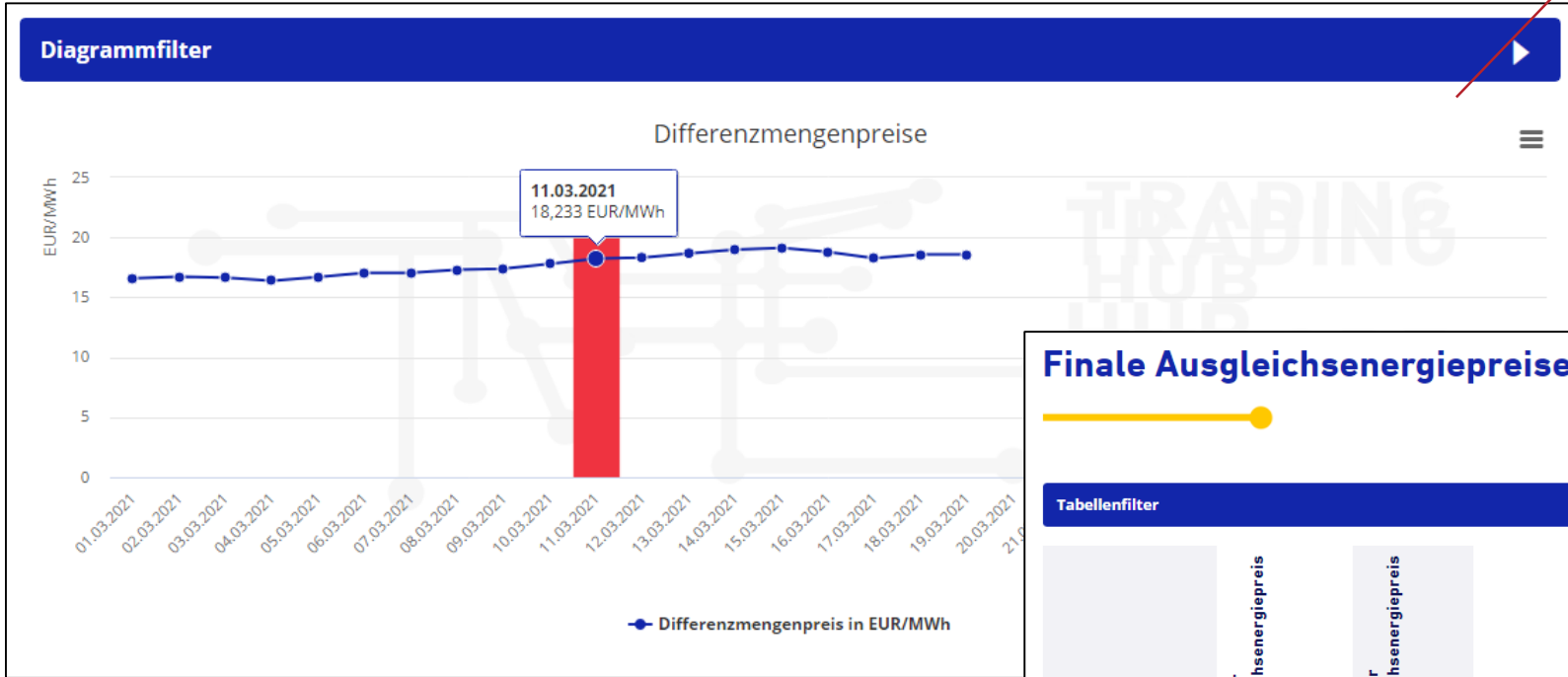
- Go-live at the beginning of June 2021
- The launch date of the new website will be announced separately
- Available at: www.tradinghub.eu

Publication of data during interim period

- From June up to and including September 2021, the data publication obligations will continue to be met on the websites of GASPOOL and NetConnect Germany for each market area
- From the start of the Trading Hub Europe market area, all publications will be made on the THE website
- The GASPOOL and NetConnect Germany websites will remain available until the end of 2021
- Legacy data of GASPOOL and NetConnect Germany will also be available in archived form on THE website after the old websites have been shut down

Impressions

Graphs



Tables

Finale Ausgleichsenergiepreise

Tabellenfilter

Gastag	positiver Ausgleichsenergiepreis	negativer Ausgleichsenergiepreis	Preis System Buy	Preis System Sell	VHP- Index	VHP- Index + 2 %	VHP- Index - 2 %
19.03.2021	18,935	18,193	n/a	n/a	18,564	18,193	18,935
18.03.2021	18,935	18,193	n/a	n/a	18,564	18,193	18,935
17.03.2021	18,636	17,906	n/a	n/a	18,271	17,906	18,636
16.03.2021	19,142	18,392	n/a	18,509	18,767	18,392	19,142
15.03.2021	33,000	8,509	33,000	8,508	19,116	18,734	19,498

Impressions

The screenshot shows the website's navigation structure. At the top left is the logo for Trading Hub Europe. The main navigation bar includes links for 'Unternehmen', 'Veröffentlichungen' (highlighted with a yellow underline), 'Services', 'Download', 'Portale', and 'Kontakt', along with a search icon. Below this, there are two columns of sub-navigation items. The left column lists 'Veröffentlichungen', 'Regelenergie', 'Konvertierung', 'Umlagekonten', 'Virtueller Handlungspunkt', 'MBI und Kapazitätsrückkauf', and 'Transparenz'. The right column lists 'Regelenergie', 'Externe Regelenergie', 'Interne Regelenergie', 'Kontrahierte Kapazitäten', 'Ergebnisse langfristiger Ausschreibungen', 'Regelenergiezonen', 'MOL Abweichungen', and 'Flexibility'. Two red callout boxes are present: 'Menu navigation' points to the top navigation bar, and 'Expanded navigation' points to the sub-navigation items.

Veröffentlichungen	Regelenergie
Preise >	Externe Regelenergie
Regelenergie >	Interne Regelenergie
Konvertierung >	Kontrahierte Kapazitäten
Umlagekonten >	Ergebnisse langfristiger Ausschreibungen
Virtueller Handlungspunkt >	Regelenergiezonen
MBI und Kapazitätsrückkauf >	MOL Abweichungen
Transparenz >	Flexibility

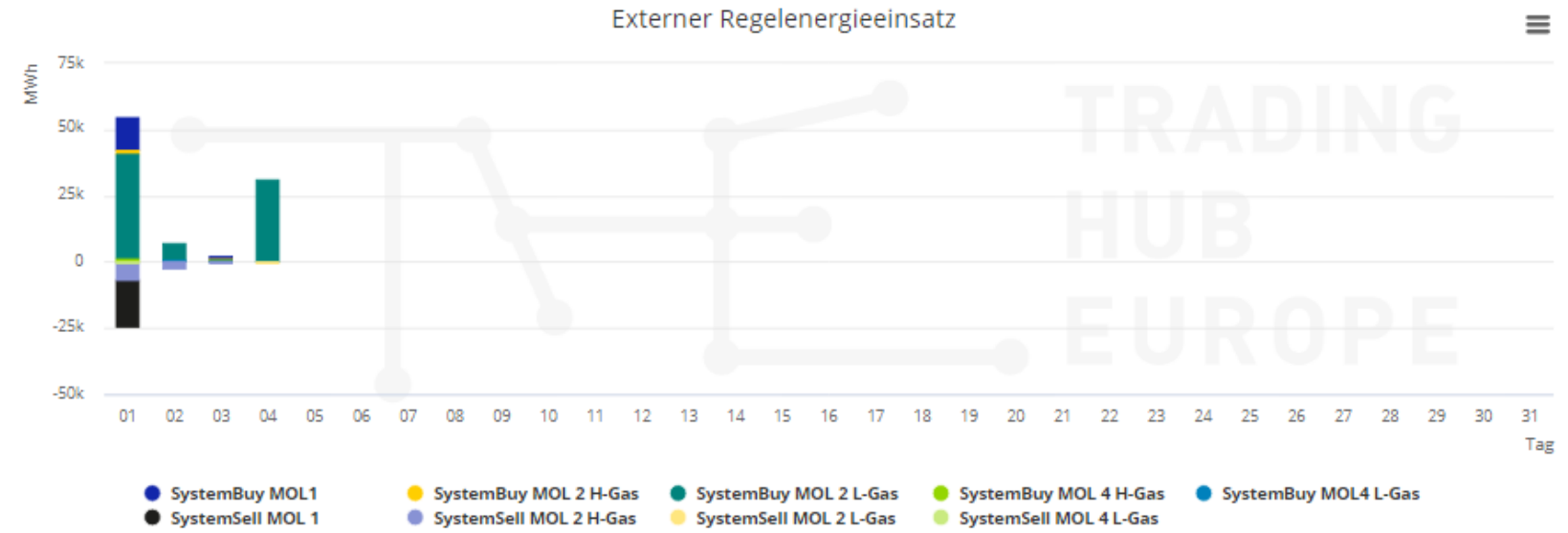
Impressions

Filter options

Externer Regelenergieeinsatz



Diagrammfilter



Information on XML retrieval



Download





Impressions

Aggregierte Verbrauchsdaten

Tabellenfilter

Gastag	SLPsyn H-Gas	SLPana H-Gas	SLPsyn L-Gas	SLPana L-Gas	RLMmT H-Gas	RLMmT L-Gas	RLMoT H-Gas	RLMoT L-Gas	Status
04.03.2021	595.177.540	88.389.744	180.443.780	70.579.610					vorläufig
03.03.2021	614.385.200	95.821.176	168.070.270	76.599.504					vorläufig
02.03.2021	666.962.900	94.586.496	184.502.940	72.401.090	766.226.600	206.564.610	14.891.879	11.341.283	vorläufig
01.03.2021	710.560.960	93.430.080	197.371.580	73.889.690	645.991.800	191.734.850	15.412.350	11.261.258	vorläufig

  [Download](#)

Download as
csv file

General information and services

- Information on the company, shareholders and management of THE
- Press area
- Newsroom
- E-mail subscription: THE press releases and newsletters
- HR area for applicants
- Contact area for all customer groups and other market partners
- Service area for NOs, BGMs and balancing gas providers
- Direct access to all THE client portals
- Publication of the contractual terms & conditions
- Publication of trading partners at the THE VTP
- All contents and services of the THE website will be available in German and English

Overview of data published (1/2)

Prices

- Imbalance prices
- Charges and fees
- Prices for quantity differences
- Flexibility cost contribution
- Reconciliation prices
- Transport cost surcharge/deduction

Conversion

- Virtual conversion
- Commercial conversion
- Technical conversion
- Conversion measures

Balancing gas

- External balancing gas
- Internal balancing gas
- Contracted transportation capacity
- Results of long-term tenders
- Balancing zones
- Deviations from merit order
- Flexibility

Neutrality accounts

- SLP balancing neutrality account
- RLM balancing neutrality account
- Conversion neutrality account

Overview of data published (2/2)

Virtual Trading Point

- VTP THE development
- Trading participants
- Development of exchange-based gas trading
- Development of broker gas trading

MBIs and capacity buy-back

- MBI demand notice
- MBI use
- Capacity buy-back demand notice
- Capacity buy-back use
- Potential
- Total costs

Transparency

- REMIT
- Aggregated balancing status
- Sec. 26 balancing group contract
- Market area monitor
- Aggregated consumption data
- Transparency list
- Daily network balancing account settlement

Other functionalities

Download/automatic retrieval

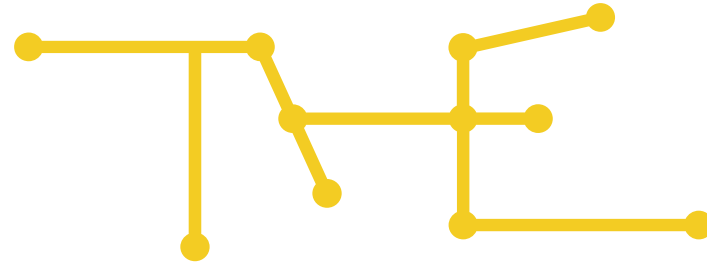
- All dynamic publications can be exported as csv./Excel files
- In addition, an XML interface is available for automated data retrieval

Push services

- A free push service is available for the publication of the provisional balancing gas prices and the provisional flexibility cost contributions
- Registration/deregistration is possible at any time
- A free push service is also available for the publication of MBI and capacity buy-back demand

RSS feed

- REMIT-relevant information and news are provided in the RSS feed



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keep in balance

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