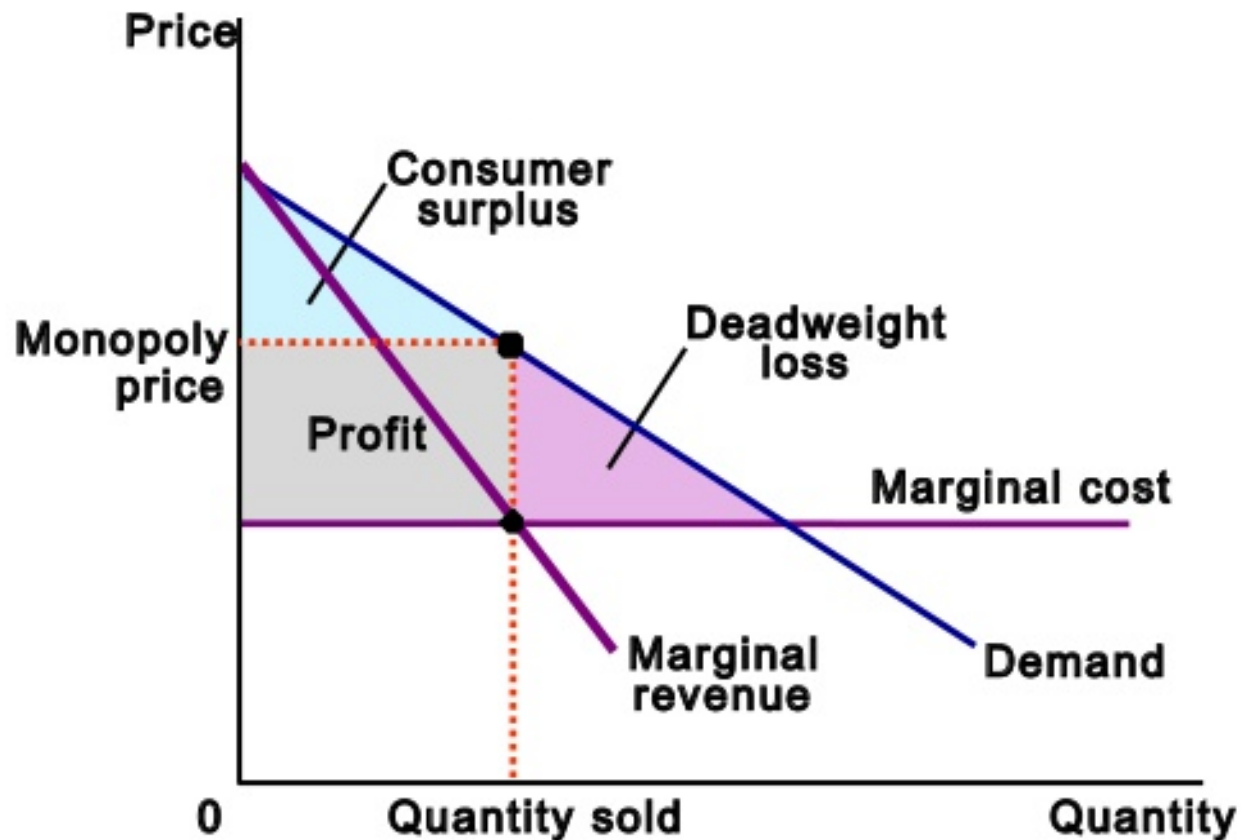# RBP on the German-Polish IPs

**ACER Public workshop on
Booking Platform Decision for the German-Polish Interconnection Points
Ljubljana, 19 June 2018**

FGSZ Ltd

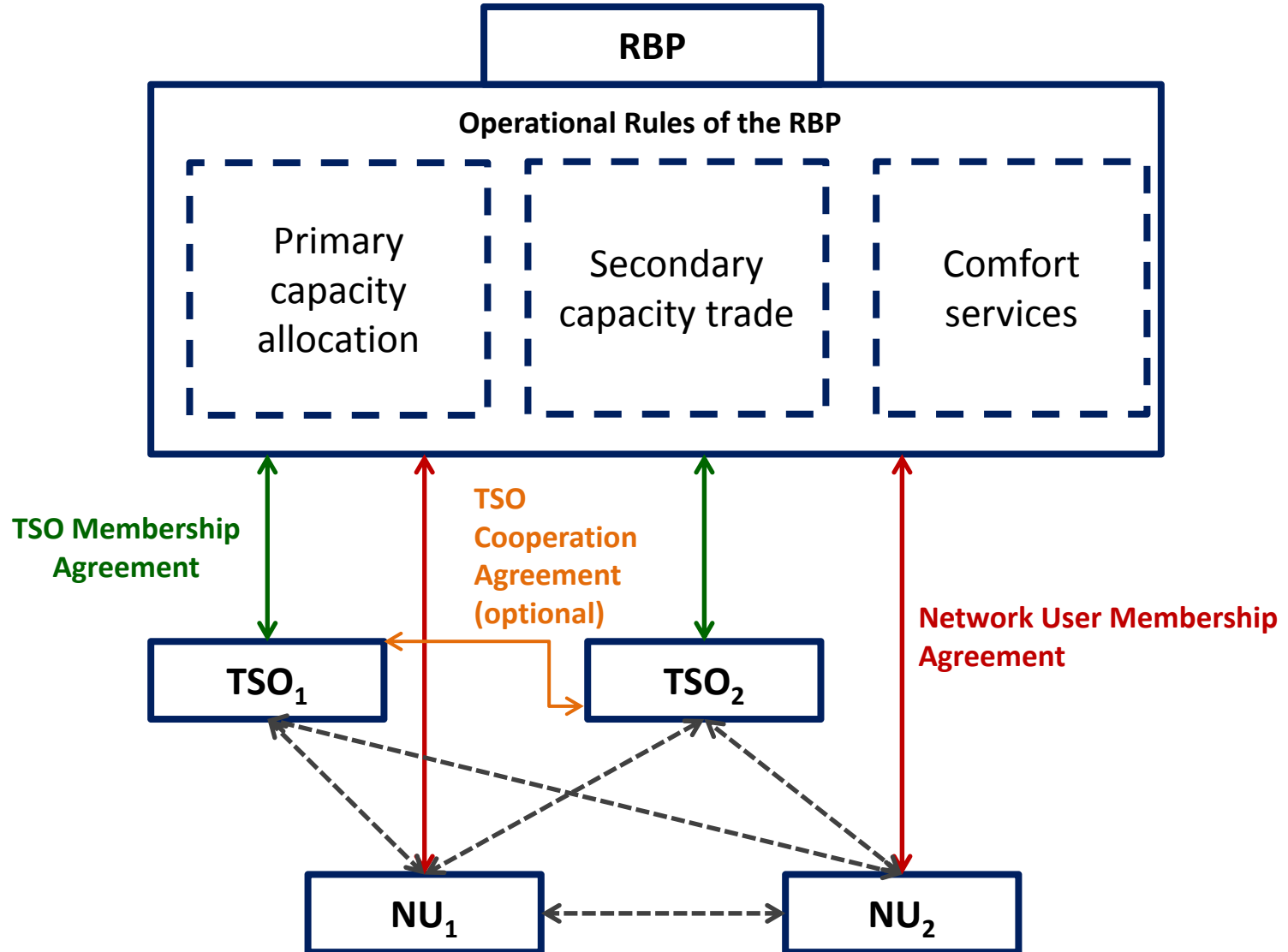# Why are we doing RBP? Because...

We believe in economics

Why are we doing RBP? Because…

We live in diversity

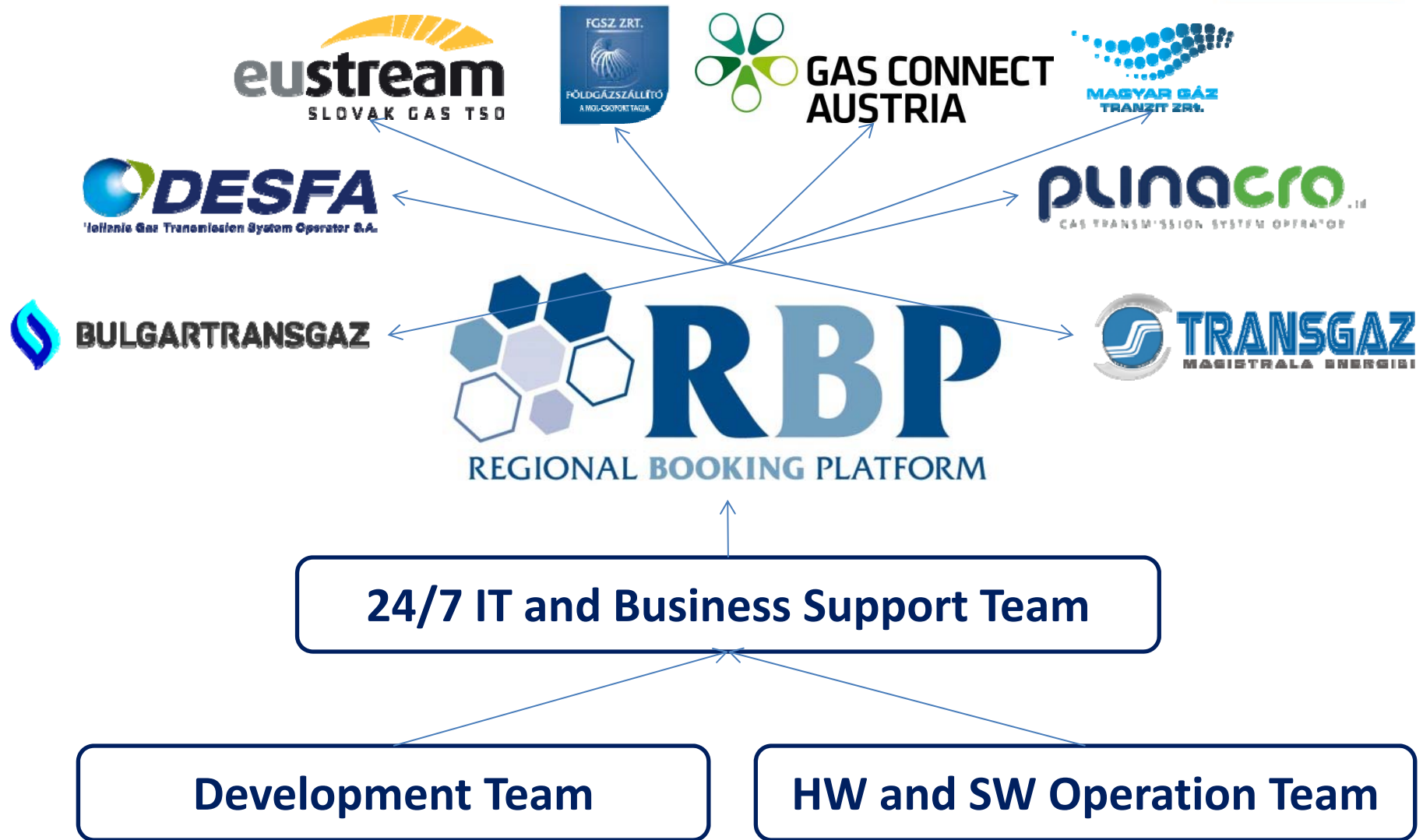# How do we work – The Theory

How do we work – The Practice

24/7 IT and Business Support Team

Development Team
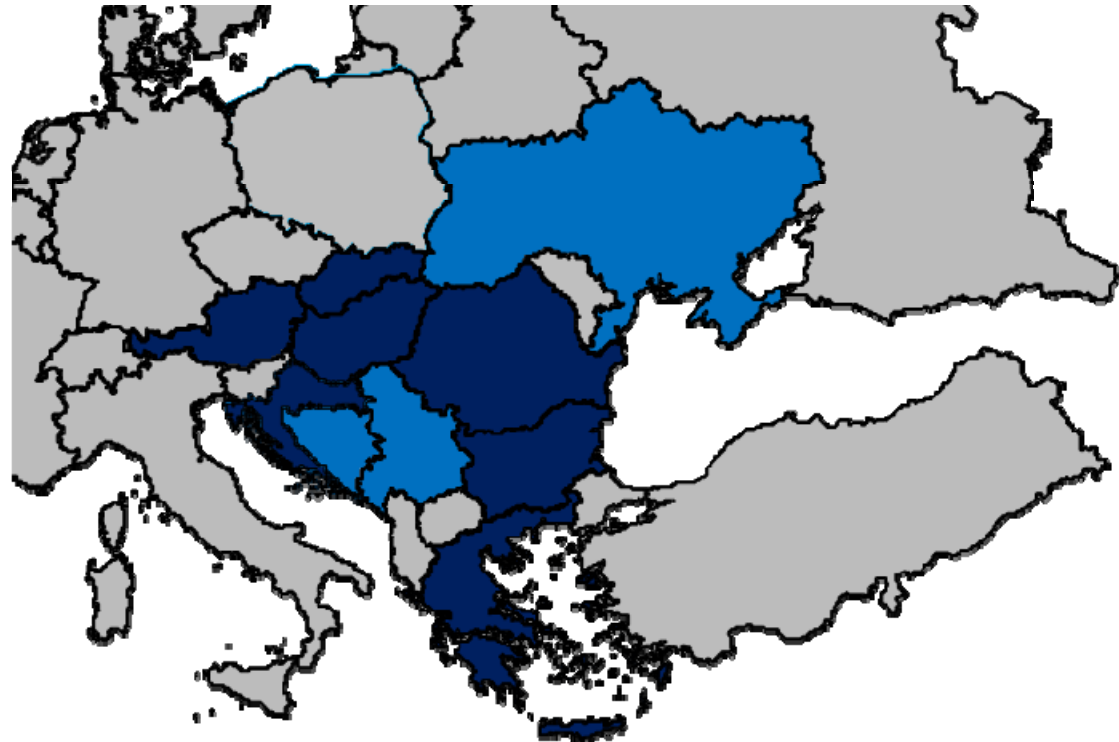
HW and SW Operation Team

RBP is Flexibility

- Business model: RBP is provided as a service to TSOs
  - Tailored for needs: TSOs able to subscribe the services they require
  - Exteremely scalable solution: additonal services at marginal cost
  - Robust IT background: FGSZ cooperates with globally well known IT companies in platform development, project management and IT implementation

- To JV or not to JV?
  - All TSOs were invited to form a JV, but no one was interested
  - Cost/benefit analyses showed no tangible added value but significant cost increase
  - Within FGSZ, RBP-related costs and profits accounted on RBP profit center, separately from the TSO business

Linking the Region

- **9.6 million auctions** run on RBP, the most auctions by any joint European booking platform (800-1600 per hour)

- 8 TSO Members

- 125 Network User Members

- Internet based thin client („plug-and-play") solution

- All this would be impossible without a robust and secure IT infrastructure

RBP Services

Primary capacity allocation	Secondary capacity trade	Comfort services

• Electronic capacity booking / contracting
• Capacity products
  • Standard
  • Non-standard
• Allocation algorithms
  • Ascending clock
  • Uniform price
  • Pro rata
• Auction calendar
  • ENTSOG
  • Custom
• Financial limit setting
• Publications
• Automated connection options
	• OTC (bilateral) trade
	• Anonymous trade
	• Trade types:
	  • Assignment
	  • Transfer of use
	  • Sublet
	• Automated connection options
		• Account management
		• Competing auctions
		• Comfort bidding
		• Balancing groups
		• CMP
		  • Buyback auctions
		  • Capacity surrender
		• CAM capacity conversion
		• REMIT reporting
		  • For TSOs
		  • For network users
		• Automated connection options

ACER Checklist I.

No.	Related to regulation (CAM, CMP, REMIT)	Description of criteria
1	Allocation of firm capacity	The allocation of firm capacity products via auction –CAM NC Article 8
2	Allocation of interruptible capacity	The allocation of interruptible capacity products via auction –CAM NC Article 32
3	Bundling of capacity products	Automated bundling of two capacity products on the same IP –CAM NC Articles 19 and 21
4	Ascending clock auctions (yearly, quarterly and monthly)	The creation and holding of auctions for long term products in accordance –CAM NC Article 17
5	Uniform price auctions (day-ahead, within-day)	The creation and holding of auctions for short term products in accordance –CAM NC Article 18
6	Day-ahead bid roll-over	The automatic rollover of valid, unsuccessful bids from day-ahead to within-day – CAM NC Article 15 par 10
7	Support of kWh/h and kWh/d as capacity unit	The available energy units used to express capacity –CAM NC Article 10
8	Secondary capacity trading	Functionality to offer and make an offer for secondary capacity –CAM NC Article 27.2, para C
9	Automated bidding	Functionality to automatically enter bids against any price step within an ascending clock auction –CAM NC Article 17.6
10	Reporting of platform transactions (bidders and public)	Publication of auction results in according with CAM NC publication times –CAM NC Articles 11(10)-(11), 12(9)-(10), 13(8)-(9), 14(9)-(10), and 15(12)-(13)

ACER Checklist II.

No.	Related to regulation (CAM, CMP, REMIT)	Description of criteria
11	Bundling of capacity on 1:n situations	Art 3(5); Art 8(2); Art 27(2)(a) CAM NC
12	Offer of competing capacity products	Functionality to cater for capacity that can only be allocated by reducing related capacity in a separate auction –Art 3(5) CAM NC
13	Allocation of incremental capacity	The allocation of incremental capacity via auction -CAM NC Article 29
14	Surrender of capacity	Functionality for network users to surrender capacity won from a previous auction
15	Buyback of capacity	Functionality for TSOs to buy back capacity sold in a previous auction
16	REMIT reporting obligations **(TSO and NU)**	Likelihood of compliance with ability to report data required for REMIT
17	Interoperability and data exchange obligations	Commission Regulation (EU) 2015/703, CAM NC Article 7
National requirements		**Description of criteria**
18	Assignment to balancing groups	BNetzA decision BK7-14-020 implementing (BAL NC) and CAM NC
19	Support for capacity upgrade services	Pursuant to § 13 Abs. 2 GasNZV
20	Use of protocol AS4 and data format Edig@s-XML	Required by Polish TSO pursuant to the national Transmission Network Code
21	Anonymity of all trading procedures	Pursuant to § 12 (3) 2 GasNZV

@19: Relevance for **bundled** capacities and a **joint** booking platform?

ACER Checklist III.

No.	IT-related	Description of criteria
21	Authorisation level management	Functionality to manage levels of user access and permissions
22	Network point display and administration	Functionality to create and manage network points by TSOs
23	Secure platform access for network users	Data security protocols in place for network user access
24	Peak service load	IT Infrastructure capacity available and used, and scalability of IT infrastructure to deal with a high amount of transactions, users, etc.
25	(Financial) insurances taken up to cover disruptions	Insurance to cover platform's liability of lost revenue of platform users through platform failure
26	Data backup and security	Data backup, data retention and data security processes, standards and policies
27	Continuing development (EU / national regulations)	Level of planned future development of platform
28	Shipper and user registration on the platform	Registration process for network users
29	Graphical user interface of the platform	Usability of web front end of the platform
30	Options for connection to the platform	Options (GUI, web services) available for network users to access and utilize the platform e.g. submitting bids
31	TSO and shipper automated communication	Level of support for automated connections to the platform through web services

ACER Checklist IV.

No.	IT-related	Description of criteria
32	Multi-currency booking	Level of support for multiple currencies within platform
33	Credit limit check	Functionality to set and enforce network user credit limits (check solvency of network users)
34	(efficient) Cost reflective fees	Alignment of platform usage fees to total operating cost (TSOs,Users)
35	Cost transparency for TSOs	Level of transparency of charging structures used to charge TSOs
36	Helpdesk availability outside business hours	Technical and business support available 24/7
37	Helpdesk availability in English	Support available in EN
38	Helpdesk availability in other languages	Support available in other language
39	Measures for data security and confidentiality, preservation of data	Adequacy of data management practices
Additional Criteria		**Description of criteria**
40	User input in platform development	Presence of a body for collecting/ assessing (non-binding) input of platform users (e.g. advisory board or similar governance instrument)
41	Price-effects / Transport tariff-effects	How end-users tariffs are affected by the costs / choice of the platform (TSO back-end costs and platform service costs)
42	Capacity conversion service	Service for network users holding mismatched unbundled capacity - CAM NC 21(3) (the implementation may be facilitated by the capacity booking platforms)
+1	Platform available in multiple languages	The graphic user interface is available in multiple languages where the user may select its preferred language

Network Users' Perspective

- Most (if not all) network users are registered on a number of other platforms, see e.g. gas trading, TSO nominations
- NUs get basic (CAM, CMP) functions of the booking platforms for free* (unlike e.g. gas trading)
- NUs need to register to shop
- Network users' booking platform presence shows overlap

* Contained in the network tariffs ➔ under NRA supervision

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Key TSO Que$tion - Connectivity

RBP offers the following connection options:

- Manual data upload/download
  - Graphic interface
  - Excel (for mass data)
- Automated connection
  - Edig@s xml format via AS4 protocol
  - Own xml format via SOAP protocol
- FGSZ does not endorse any IT vendor
- All RBP interface documentations are publicly available and free to implement

TSO-RBP Connection

- ## RBP – Gaz-System
  - Tested automated connection on egig@s basis between RBP and GSA from the platform cooperation project
  - RBP supports national requirements

- ## RBP – ONTRAS, Gascade
  - Some PRISMA TSOs built automated RBP connection, their example and experience can be used
  - National requirement of capacity upgrade can be implemented in maximum 3 months (if indeed required)

RBP Connection Roadmap

Item	Milestone	Estimated duration
1	Provision of TSO Membership Agreement under NDA	1 week
2a	Review of the TSO Membership Agreement by TSO	1-2 months
2b	Review of additional (national) requirements	1 week
2c	Finalisation of the TMA	1 month
2d	Signature of the TMA	1 week
3a	Acquiring electronic certificates from third party provider	1-3 weeks
3b	Setup of TSO account, users, network points and auctions	2 hours
4a	TSO training at the TSO's site	1-2 days
4b	Network user training at the TSO's site	1-2 days
5	Automated connection between TSO back-end and RBP	1-2 months

Items 1, 2a-d, 3a-b, 4a-b and 5 can proceed in parallel, therefore **a fully-fledged connection to RBP can be implemented in 2 months,** including all legal and IT issues solved. Typically, legal questions take more time to solve than IT issues.

Concluding Statements & Way Forward

ACER's invitation to the DE/PL platform discussion is highly appreciated

Certain PRISMA TSOs already have practical experience using RBP

Gaz-System and FGSZ had a tested platform cooperation

FGSZ would be happy to be part of the solution and to submit a sealed offer to ACER regarding the use of RBP on the German-Polish IPs

A realistic implementation time would be 3 months following ACER's decision on the platform selection

Thank you for your kind attention and consideration!