
Active Balancing Meeting

Lukas Loser
Specialist Balance Group & Sched. Services

Online, 1 June 2026

Agenda

08:30	Welcome and Introduction to the Active Balancing Committee	Bastian Schwark & Lukas Loser
08:40	Overview of the first months of the new imbalance price mechanism	Lukas Loser
09:00	Optimizer	Katja Moehring
09:20	Short Term Adequacy Process	Anneta Matenli
09:35	Ancillary Services: Price evolution, Liquidity	Francesco Gerini
09:55	PV4Balancing and Market Design 2.0	Francesco Gerini
	Discussion / Buffer / Break	
10:30	Roadmap for crossborder changes and 15' products	Benito Barberio
10:45	Electricity Agreement	Thomas Hauri
10:55	Settlement Period	Marko Pranjic
11:05	Active Balancing Monitoring	Lukas Loser
11:15	Ramping for Trading Balance Groups	Lukas Loser
11:25	Data Publication	Lukas Loser
11:35	Closing and Feedback	Lukas Loser
	Discussion / Buffer	

Introduction to the Active Balancing Committee

Purpose & Objective

- Establish a collaborative platform for Active Balancing participants
- Improve transparency and understanding of balancing behaviour
- Increased transparency on potential changes
- Early identification of inefficiencies and risks
- Direct exchange with Swissgrid and other participants

Working Approach

- Regular meetings (Q2 and Q4)
- Newsletters with updates (Q1 and Q3)
- Ad-hoc meeting with needed

Expected Outcomes

- Improved Active Balancing performance across participants
- Enhanced market efficiency and system stability
- Creating a Win-Win-Situation



Your contact persons for balance group management at Swissgrid



Marc Rüede
Head of Balance Group &
Sched. Services



Thomas Hauri
Responsible for
BGM Partner Meeting



Lukas Loser
Responsible for Active
Balancing Committee

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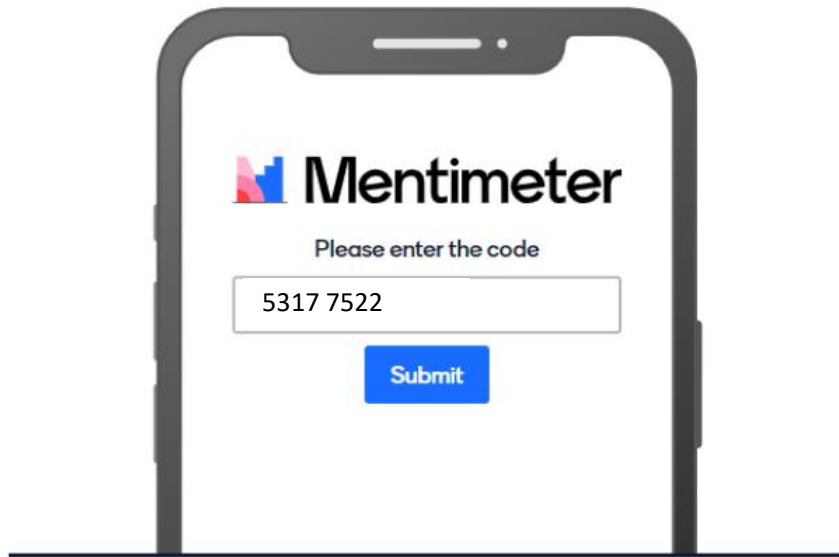
Balance group and active balancing topics

balancegroup@swissgrid.ch

We use Mentimeter to allow a more interactive meeting

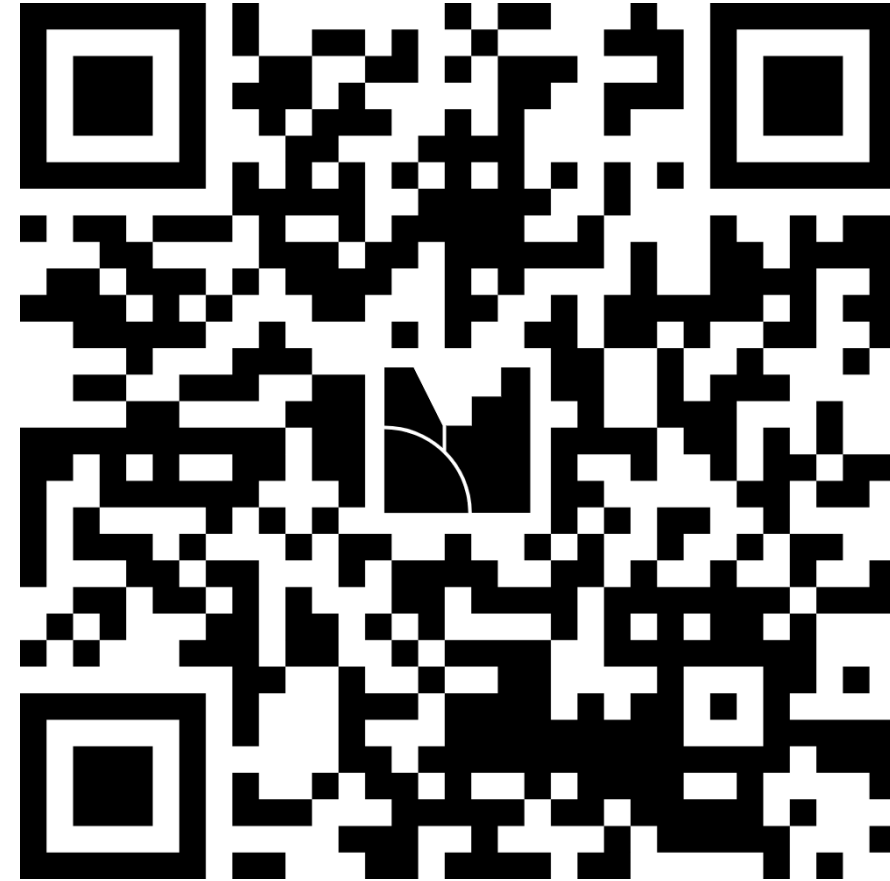
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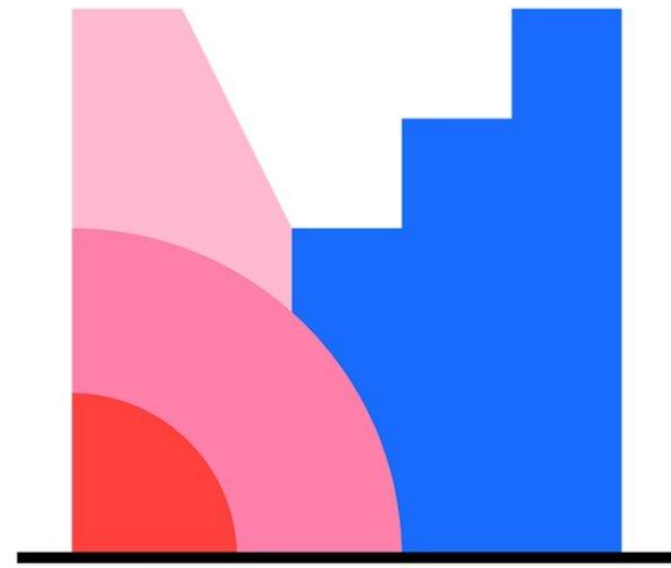


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Or use QR code



Mentimeter

Overview of the first months of the new imbalance price mechanism

Lukas Loser
Specialist Balance Group & Sched. Services

Online, 1 June 2026

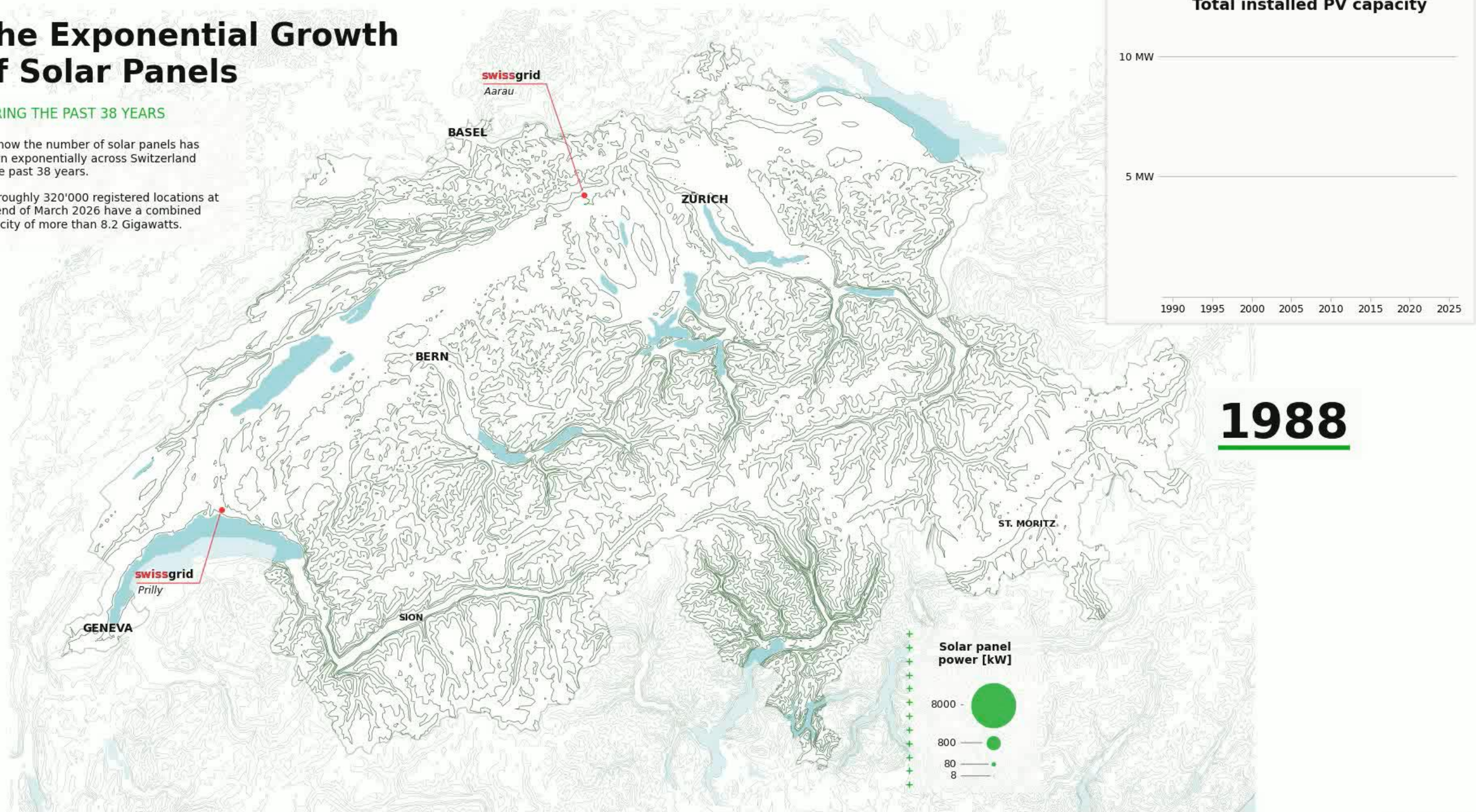
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- 1 Objectives of the New System**
 - 2 Changes in the Control Area**
 - 3 Active Balancing by Trading Balance Groups**
 - 4 Easter 2026 – Imbalance & Active Balancing**
 - 5 Conclusion**

The Exponential Growth of Solar Panels

DURING THE PAST 38 YEARS

See how the number of solar panels has grown exponentially across Switzerland in the past 38 years.

The roughly 320'000 registered locations at the end of March 2026 have a combined capacity of more than 8.2 Gigawatts.



Objectives of the New System

The single-price model strengthens the system responsibility of balance groups and creates clear incentives for stabilizing market behaviour – while increasing the need for precision and flexibility.

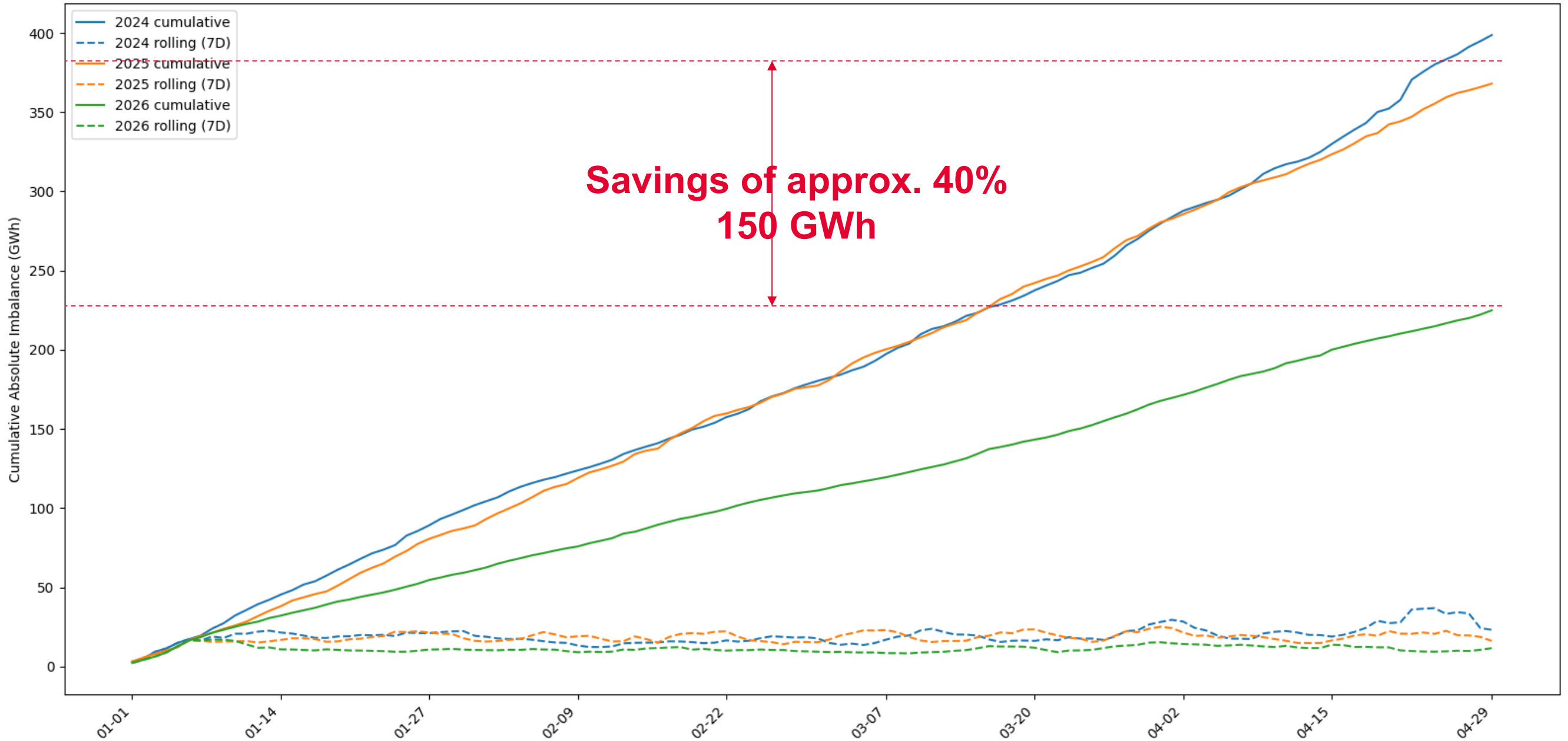
- Uniform imbalance price for all balance groups (long and short)
- Imbalances are settled at the same price, regardless of direction
- System-supportive behaviour is rewarded and creates a new business case
- The “nesting effect” is eliminated and transparency is increased
- No more business case for the post-scheduling market; trading activities partly shift to intraday
- Trading balance groups may hold an open position of up to 50 MW, increasing the importance of traders

	Balance group short	Balance group long	Preisformel
System short (under-supplied)	Balance group pays: A	Balance group receives: A	$A = \max (P_{\text{sec}+}; P_{\text{ter}+})$
System long (over-supplied)	Balance group pays: B	Balance group receives: B	$B = \min (P_{\text{sec-}}; P_{\text{ter-}})$

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Changes in the Control Area

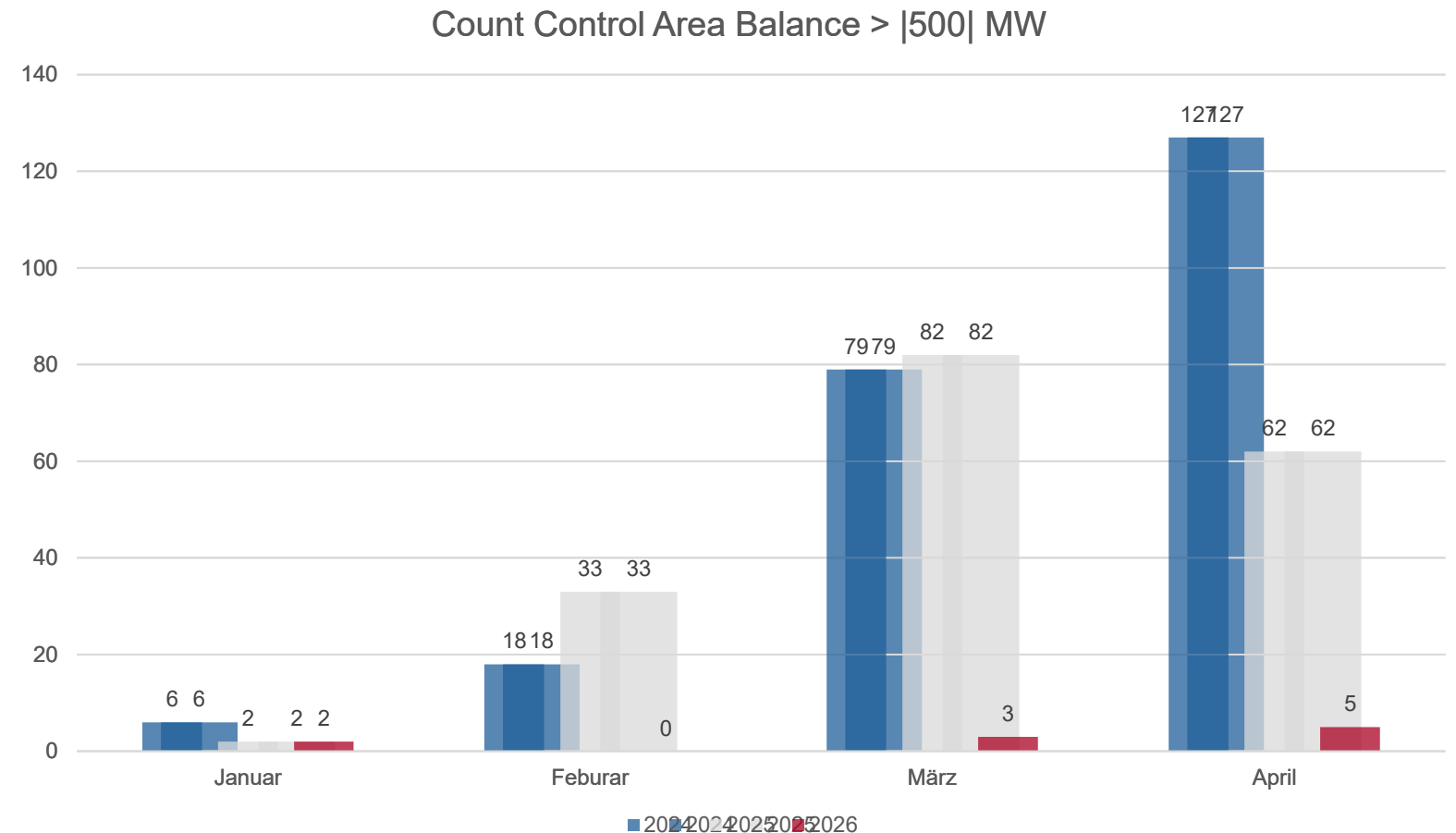
Cumulative Absolute Imbalance by Year



Changes in the Control Area

The analysis shows a significant reduction of large control area imbalances (> |500| MW) in 2026 compared to 2024 and 2025.

- Very high volatility in 2024 and 2025, with a clear peak in spring (PV).
- 2026 shows a clear improvement: control area imbalances > |500| MW occur only rarely.
- Clear trend reversal: the stability of the control area has increased significantly compared to previous years, despite ongoing PV expansion and more renewables in the system.
- Maximum |control area imbalance| in the first four months:
 - 2024: 1400
 - 2025: 838
 - 2026: 595

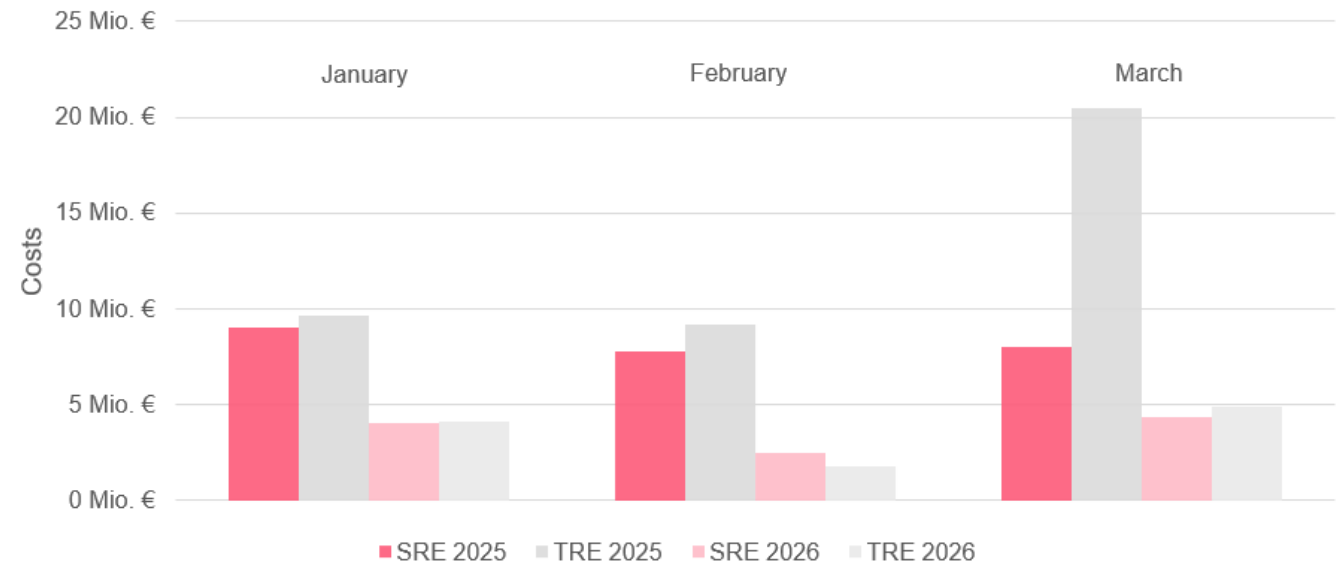


Changes in the Control Area

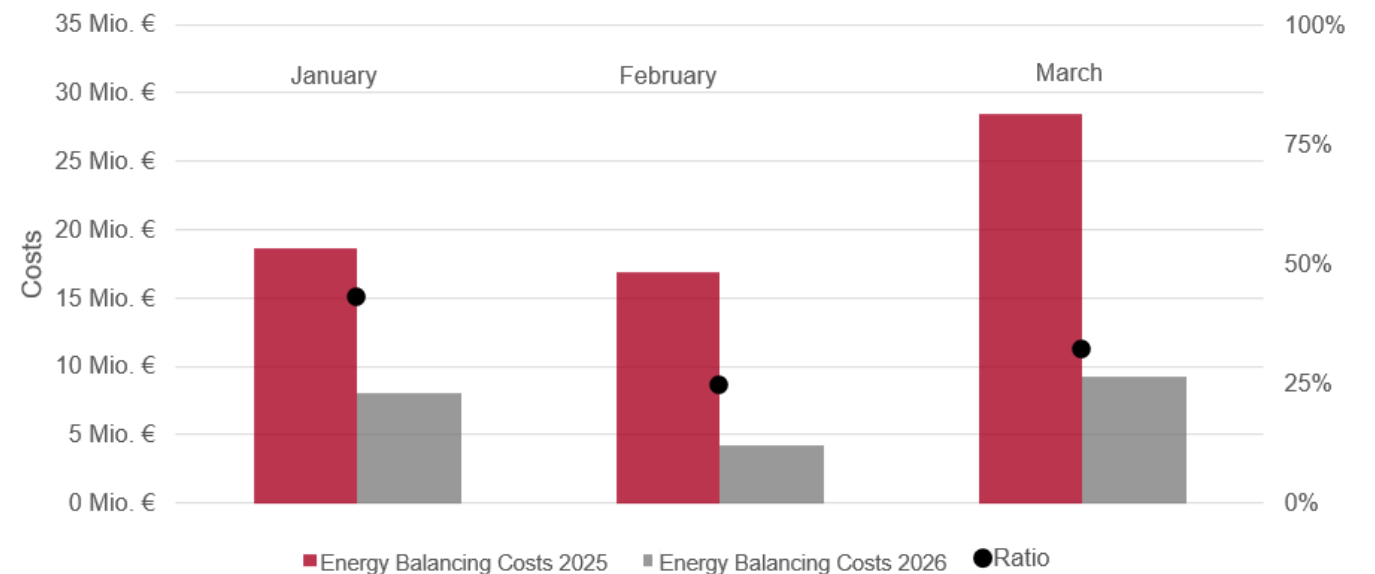
In the first months, a clear reduction in balancing energy costs can be observed.

- Both secondary control (SRE) and tertiary control (TRE) expenditures have decreased significantly.
- Balancing energy costs were reduced by up to 75%.
- Compared to the previous year, around EUR 10–20 million less per month was spent on balancing energy.
- Expenditures will continue to be analysed in the coming months to confirm the trend and exclude other potential reasons for the reduction.
- Imbalance energy costs for balance groups with metering points have decreased significantly under the new model.

Balancing Energy Costs: SRE and TRE (2025 vs. 2026)



Monthly Comparison of Balancing Energy Costs (2025 vs. 2026)



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Active Balancing by Trading Balance Groups

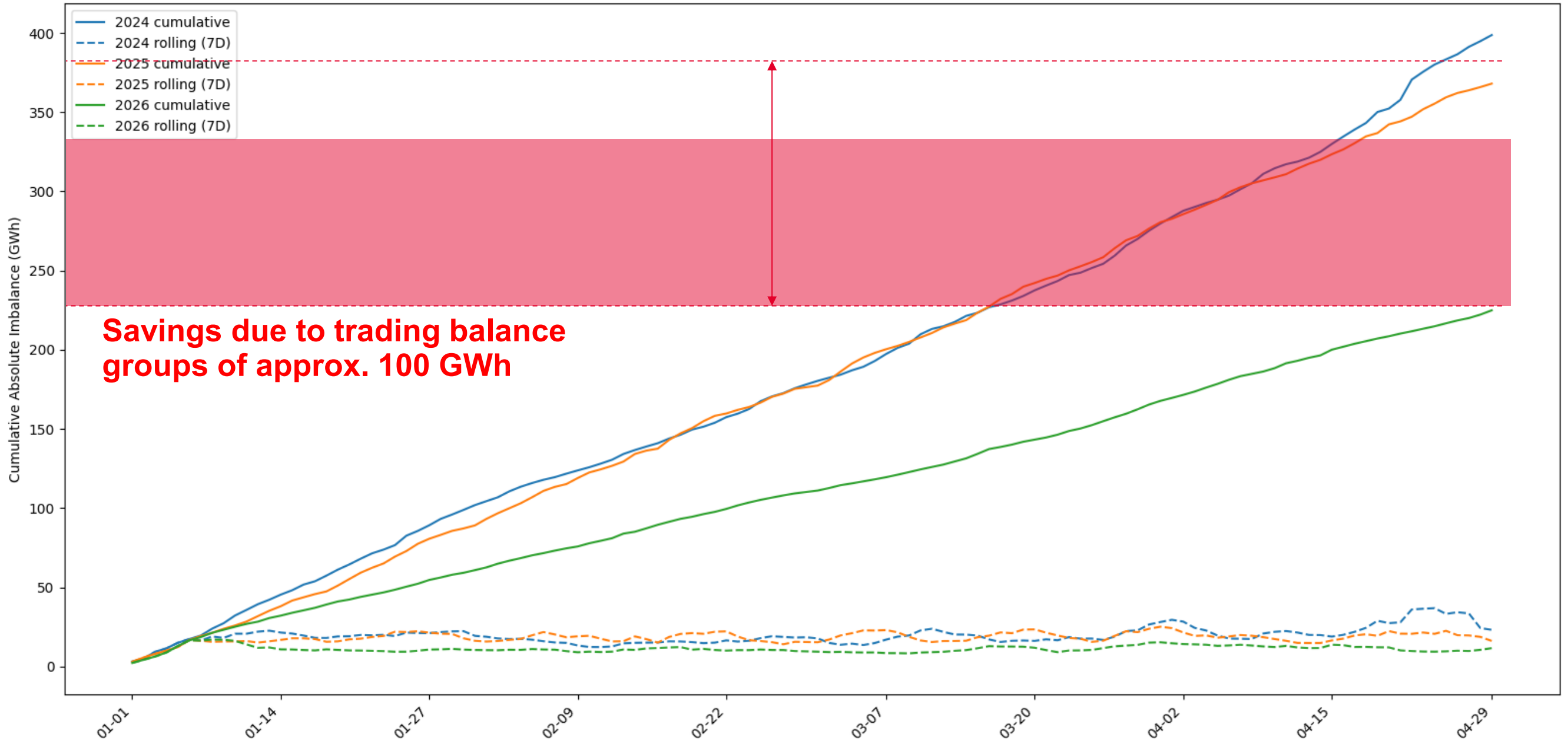
Comparison January – April / Development

- Increasing balancing volume, especially in April, with growing stabilising behaviour
- Continuous increase in stabilised balancing volume with a drop in May
- Significant reduction of the control area imbalance, with a strong effect in April (-37.1%)
- High savings in balancing energy, with 34.5 GWh in April as the peak value

Month	Max. short position TBG	Max. long position TBG	Reduction of control area imbalance	Saved balancing energy
January	165 MW	205 MW	23.0 MW / 21.9%	17.0 GWh
February	263 MW	192 MW	23.2 MW / 24.4%	15.5 GWh
March	281 MW	291 MW	32.3 MW / 29.2%	24.0 GWh
April	437 MW	280 MW	47.8 MW / 37.1 %	34.5 GWh

Active Balancing by Trading Balance Groups

Cumulative Absolute Imbalance by Year



Savings due to trading balance groups of approx. 100 GWh

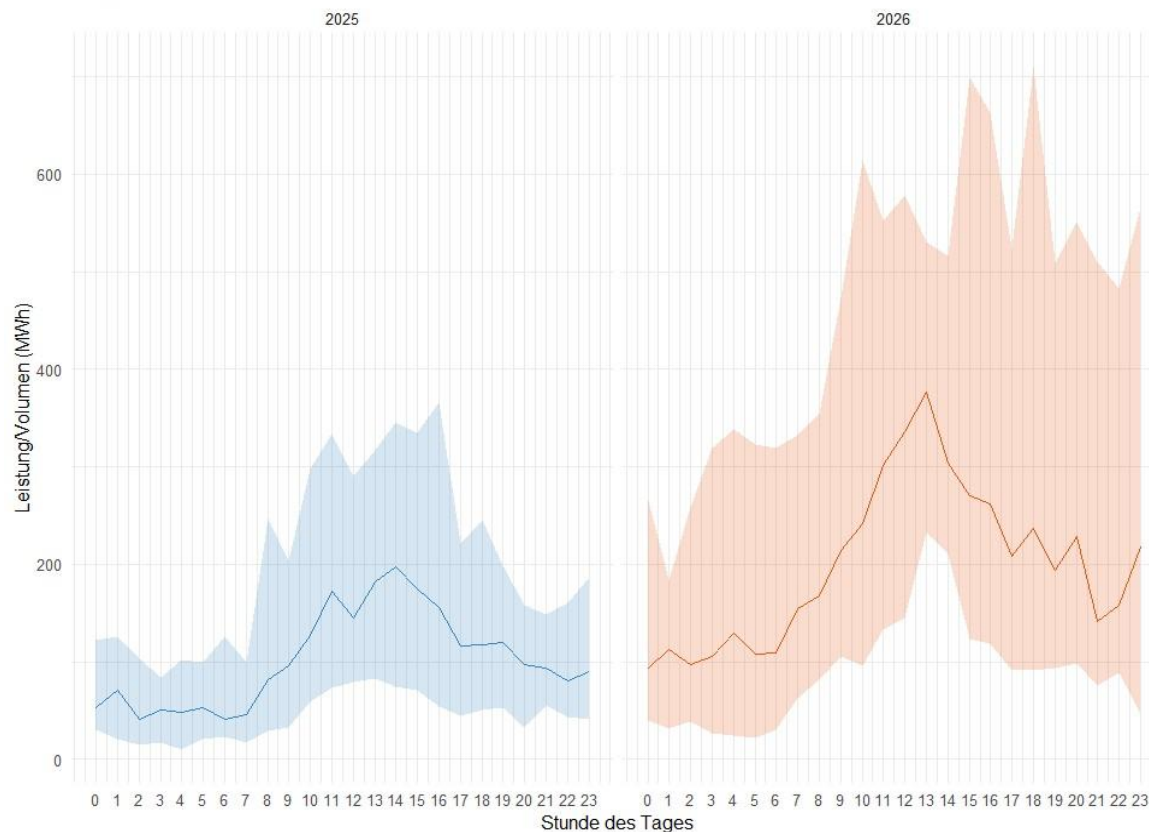
Active Balancing by Trading Balance Groups



Development of the Swiss Intraday Market

- The traded volume on the Swiss intraday market more than doubled in January 2026 compared to January 2025.
- However, the market is still not sufficiently liquid, especially for 15-minute products → missing coupling with Europe.

Januar – Stunden-Perzentile (P10–P90) und Median pro Stunde des Tages
Vergleich 2025 vs. 2026



EPEX SPOT
41.655 Follower:innen
1 Woche • 🕒

+ Folgen ...

🚀 Exciting developments on the Swiss Intraday Continuous Market!

Over the past few months, Switzerland's Intraday Continuous market has shown remarkable growth. In 2025, traded volumes exceeded 1 TWh, bringing the market back to levels last seen in 2018 — before the decoupling from SIDC.

📌 January 2026 continues this positive trend: Almost 200 GWh were traded, similar to pre-XBID activity and showing a renewed market dynamism.

💡 This surge of intraday market activity in Switzerland appears to also follow the recent reform of **Swissgrid AG** imbalance price mechanism. Since January 2026, the mechanism incentivizes balance groups to use the intraday market to better balance their position or to get financially rewarded for stabilizing the grid.

As market interest rises, now is the time to take part in Switzerland's Intraday Continuous opportunities!

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Elia Group

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Yesterday, exceptionally high negative imbalance prices were recorded for a short period, reaching -€15,000/MWh. The system remained stable and at no point the security of supply was at risk.

These prices reflected a clear oversupply of electricity due to high solar production and low consumption on Easter Monday. Solar production was at some moment 1.4 GW higher than forecasted, leading to a sudden imbalance. At the same time downward flexibility was extremely limited in Belgium.

Scarce balancing reserves were activated on the European balancing market up to the regulatory price cap. No technical interventions, such as curtailing of solar or wind parks, were required.

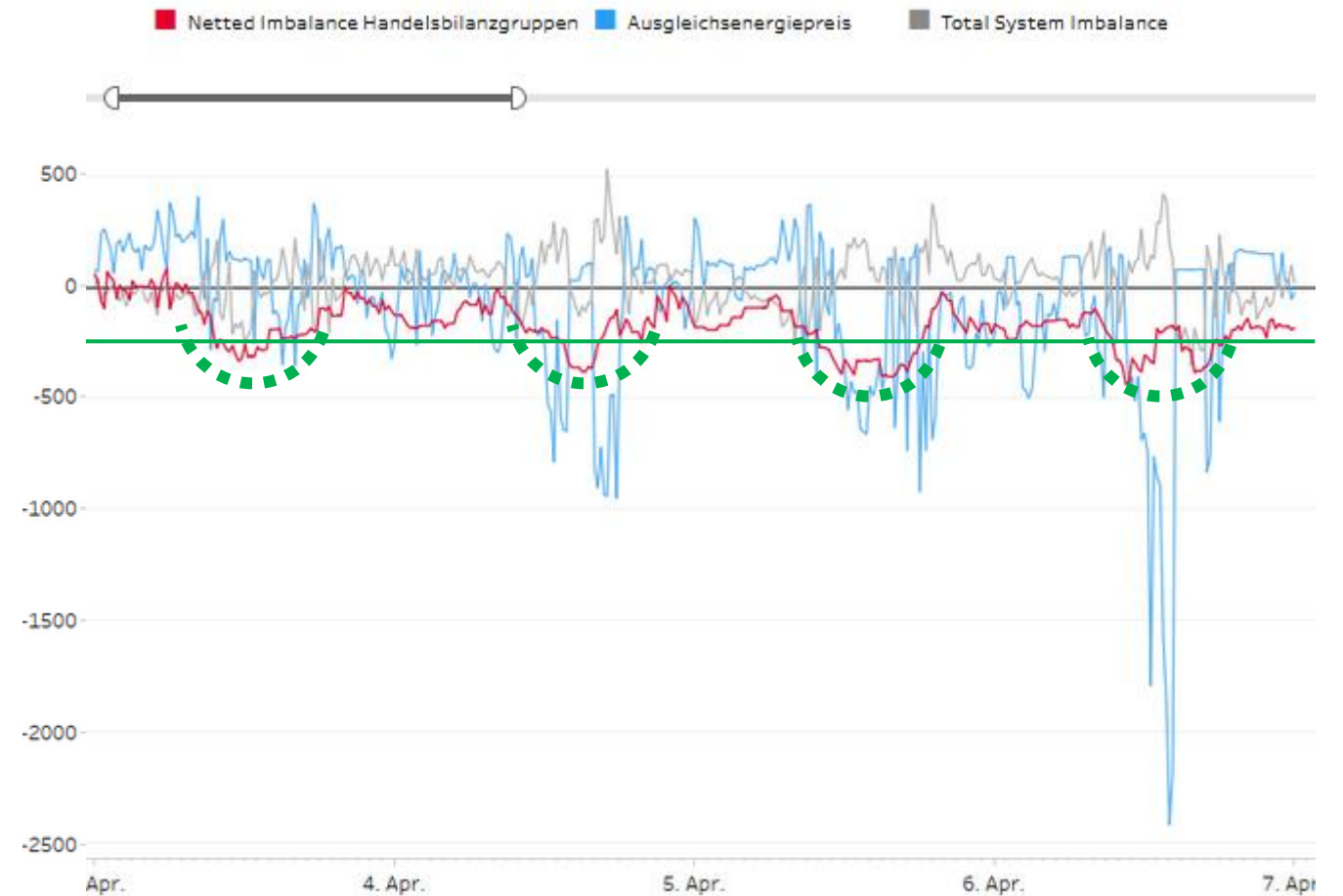
This event underlines the growing challenge of high renewal generation combined with insufficient flexibility. This has recently been highlighted in Elia's Summer Outlook 2026. Accelerating flexibility solutions, including controllable decentralized production, is essential to keep the system balanced.

Read the press release here: <https://lnkd.in/ewvBSCFC>

[#EnergyTransition](#) [#ElectricityMarkets](#) [#SystemBalance](#) [#Flexibility](#)
[#RenewableEnergy](#) [#SolarPower](#) [#GridStability](#) [#EnergyPolicy](#)
[#BalancingMarkets](#) [#Elia](#)

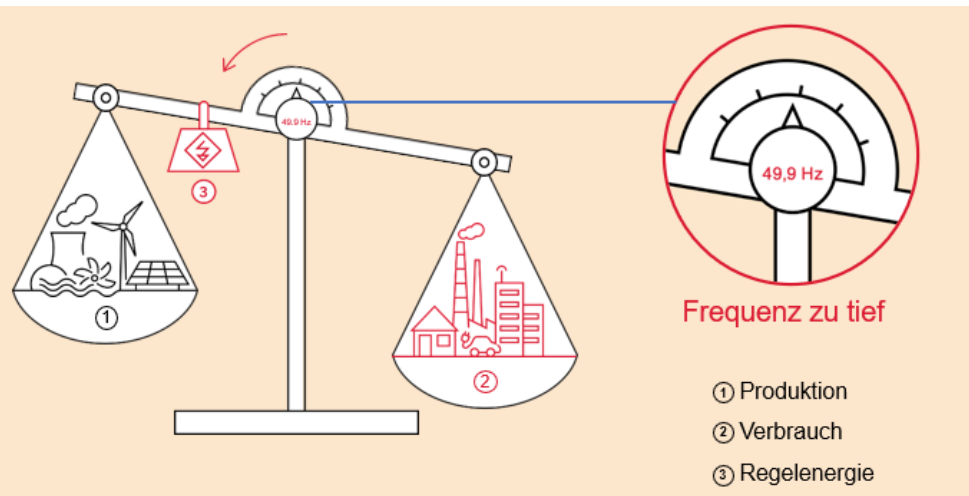
Easter 2026 – Imbalance & Active Balancing

- No high imbalance in the control area
- Active balancing worked stably and very effectively:
 - Imbalance was reduced by half
 - Stabilising behaviour of up to 437 MW
 - Stabilising behaviour of several hundred MW at many time points
- PV production of partly over 6 GW (almost 70% of production at that time)
- TRE- MOL shows a steep increase, leading to higher prices
- Compared to previous years, this Easter was successful:
 - Relatively low prices
 - Low imbalance



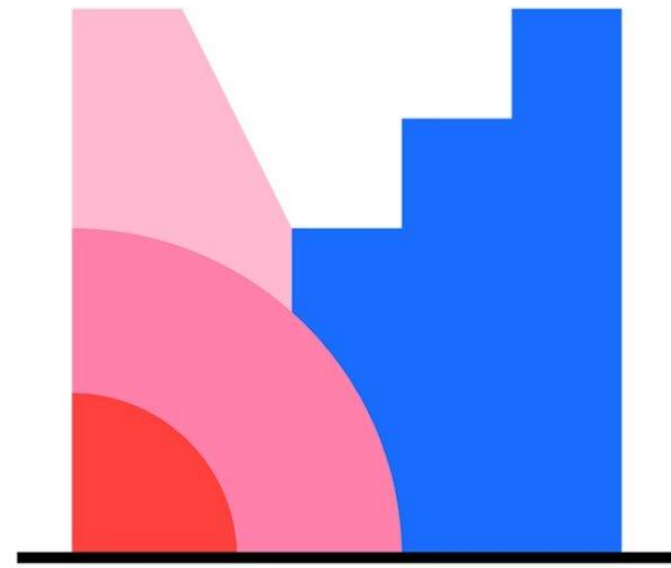
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Conclusion



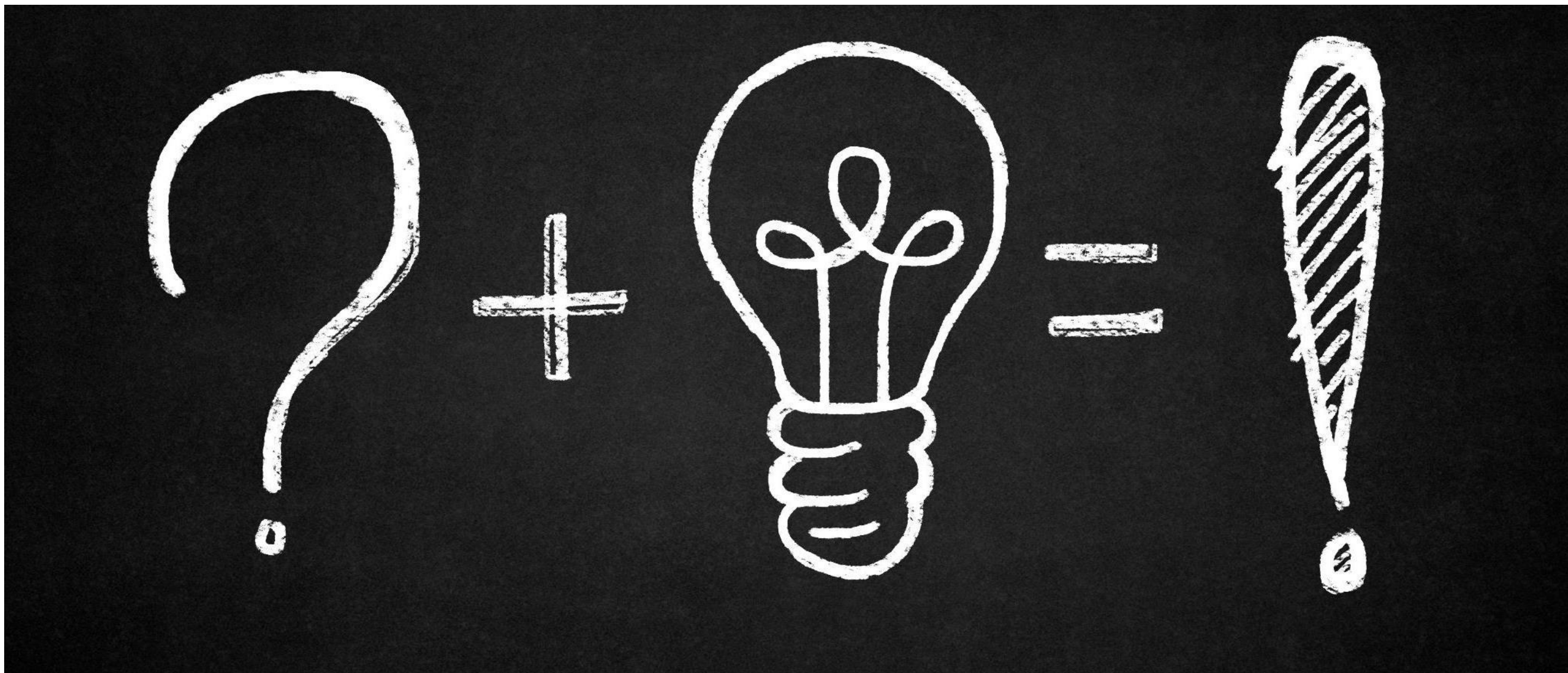
- Incentives are created to **leverage flexibility potential** to contribute to balancing the control area
- A new business case attracts **market participants** and increases activity in Switzerland
- Around **75% of the volume** of trading balance groups has a stabilising effect
- More **flexibility is being unlocked** to balance the control area
- The incentives are effective in increasing **liquidity in the intraday market**
- The **balancing energy demand** has been reduced by **~40%** compared to 2024 & 2025
- Significantly **fewer imbalance peaks** and lower magnitudes
- **Less extreme imbalance prices**





Mentimeter

Questions?

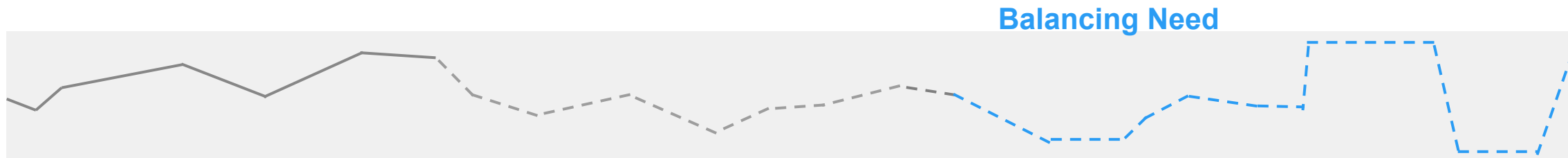


Optimizer

Katja Moehring
Project Manager

Online, 1 June 2026

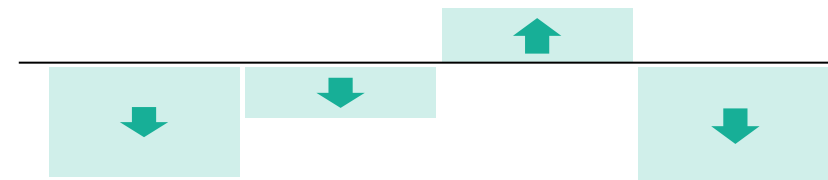
Swissgrid uses the Optimzier to activate balancing energy



Decision Problem:
How much TRE to buy



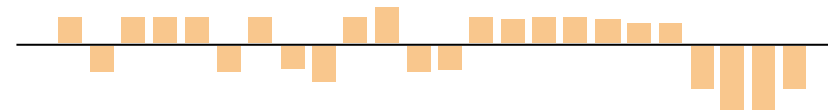
TRE



15min resolution,
Manual activation



SRE



Second resolution,
Automatic activation

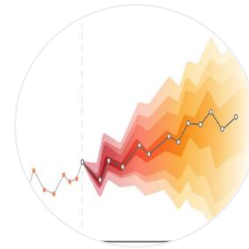


Optimizer forecasts the Imbalance and determines best activation



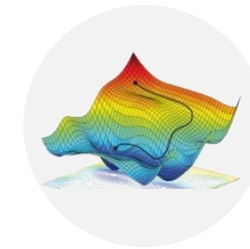
Data Integration

- Internal System Data
- External Data
- Market Prices



Forecast Imbalance

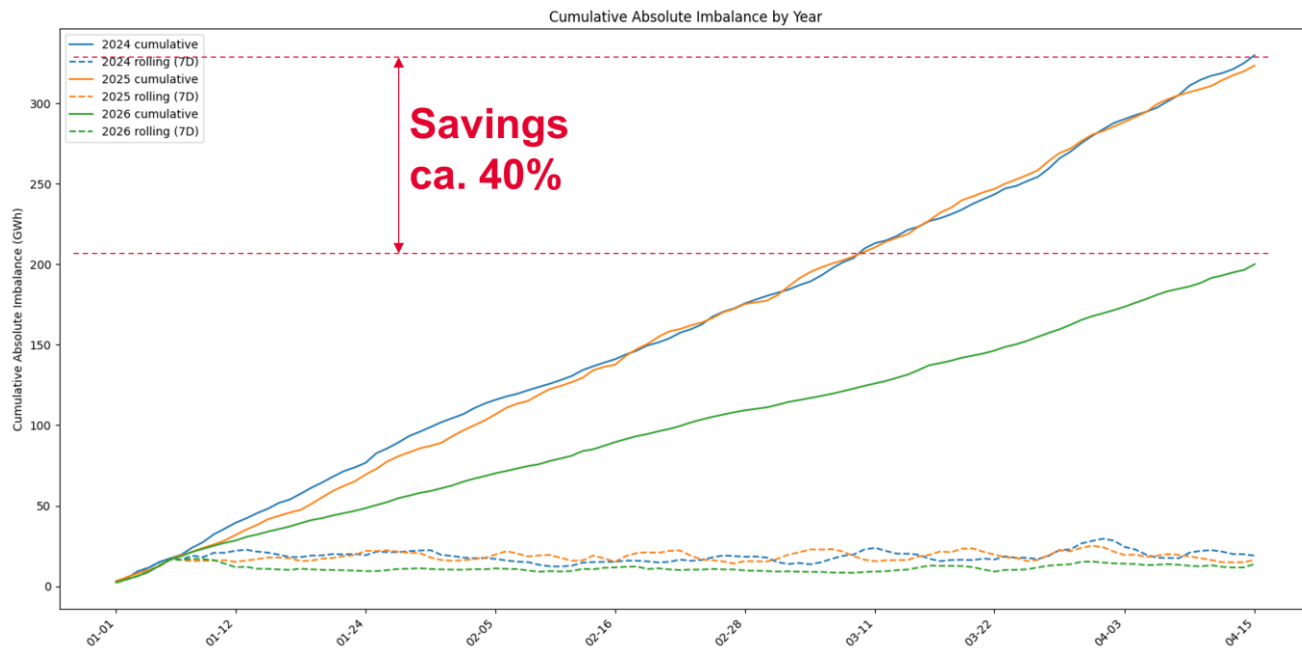
- Continuous Forecasts
- Horizon up to 120 mins
- Different resolution



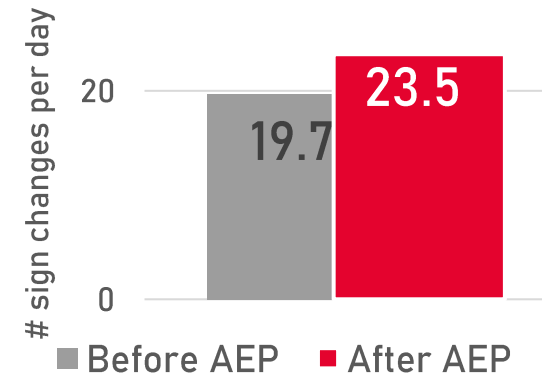
Optimize Activation

- Price
- System stability
- Risk / Volatility

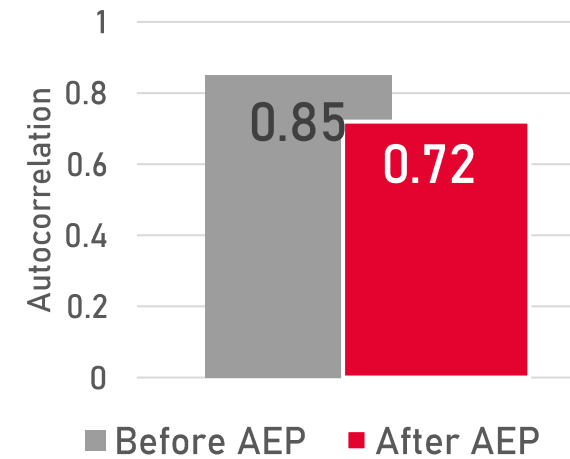
AEP: less Imbalance, but more volatility



but



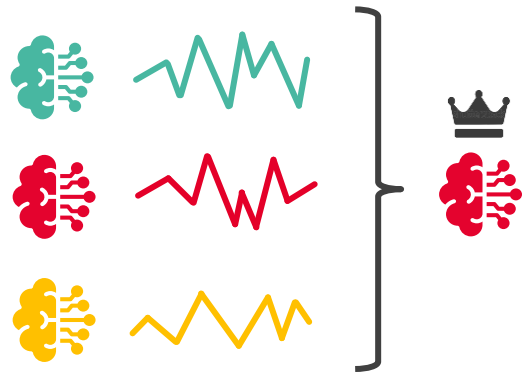
20% more sign changes per day



16% less predictable/
more chaotic

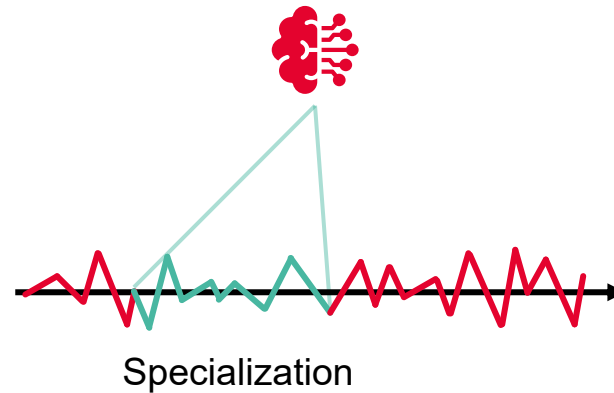
Optimizer implemented 3 main measures in preparation for AEP

1 Ensure use of best model



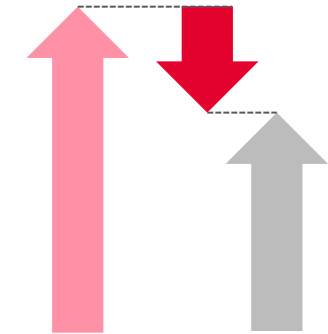
Implementation of automated framework for highest-accuracy model selection

2 Adapt fast to changing market



Development of model with specialization capability on specific data

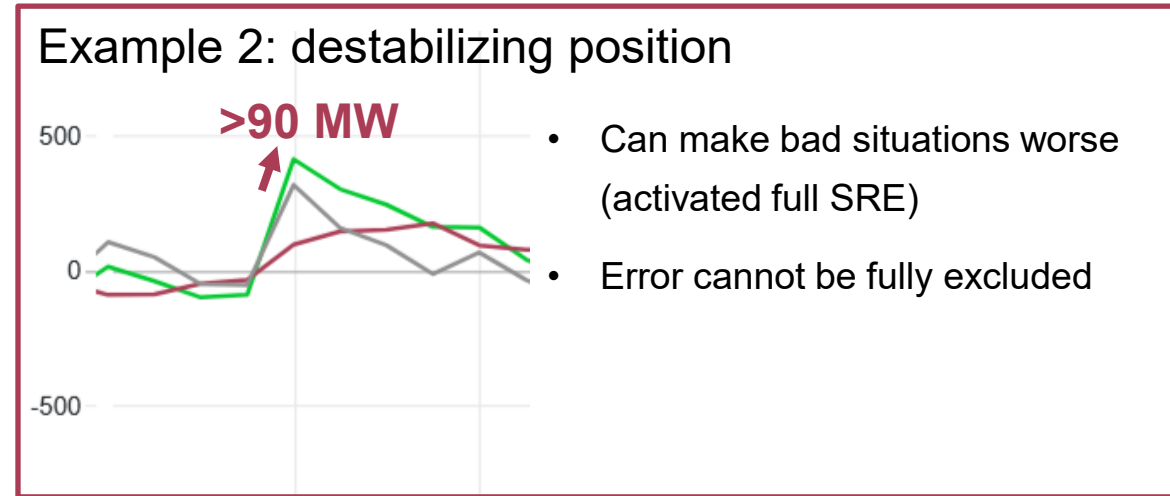
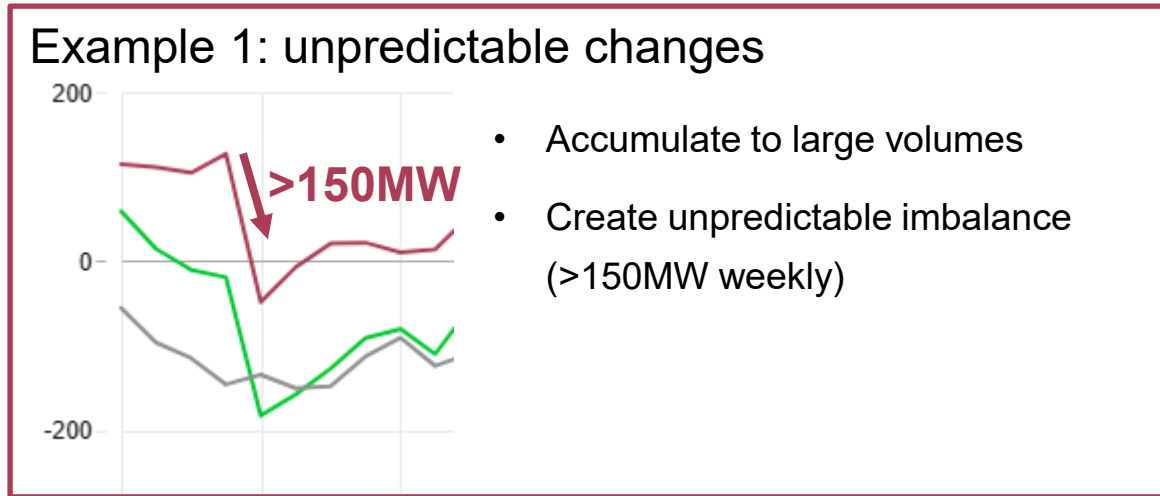
3 Reduce corrective activation



Introduction of risk-aware optimization, reducing high SRE corrective activations

These measures target overall AEP trends

Open Position data is critical for safe Grid Operation



— Imbalance before OP — OP (Open Positions) — Imbalance

We need open positions data to

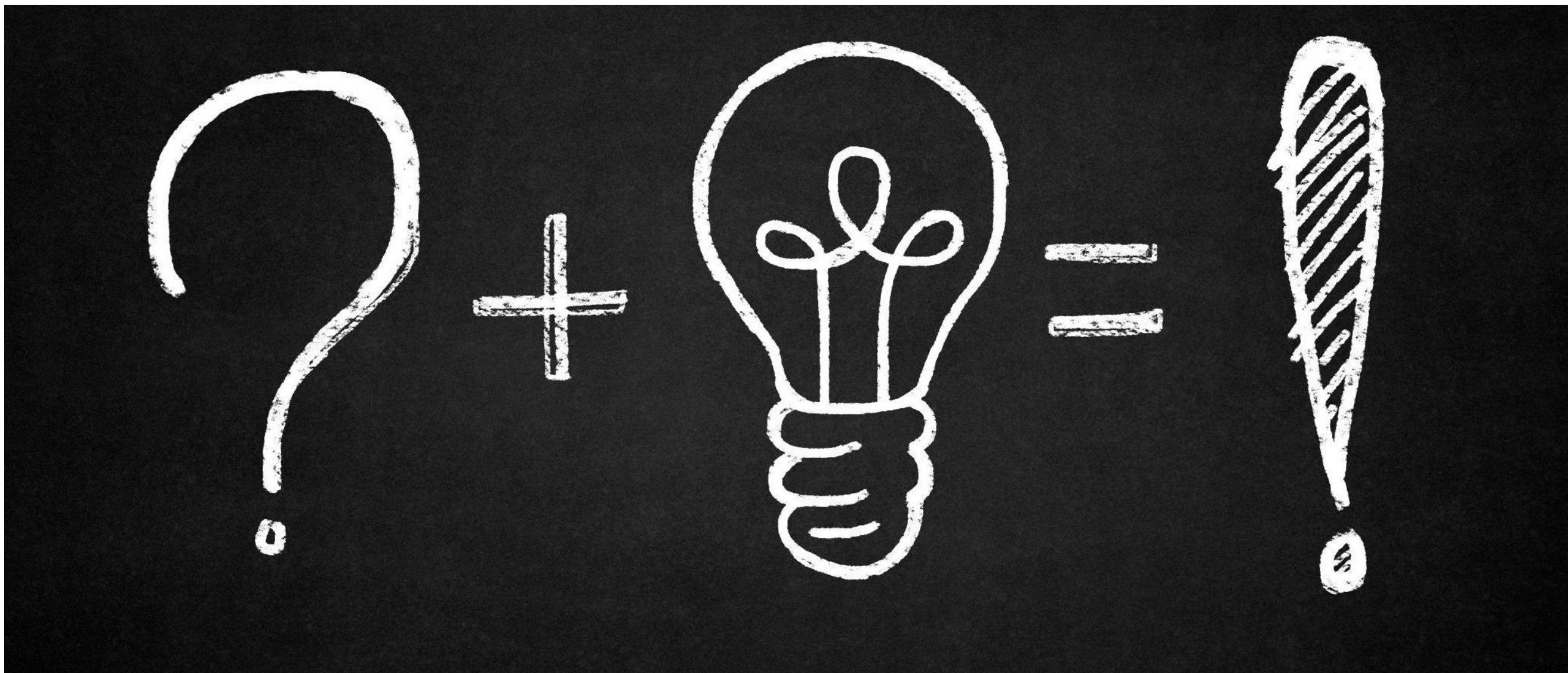


anticipate imbalance dynamics



ensure SRE remains available for true emergencies

Questions?



Short Term Adequacy Process

Anneta Matenli
Principal Market Operations

Online, 1 June 2026

Market-Relevant Message on April 24th



Message published on Swissgrid's site under REMIT and market-relevant information.



Short-Term Adequacy Warning: Limited Downward Regulation in Switzerland (April 26th)

Marktrelevante Information

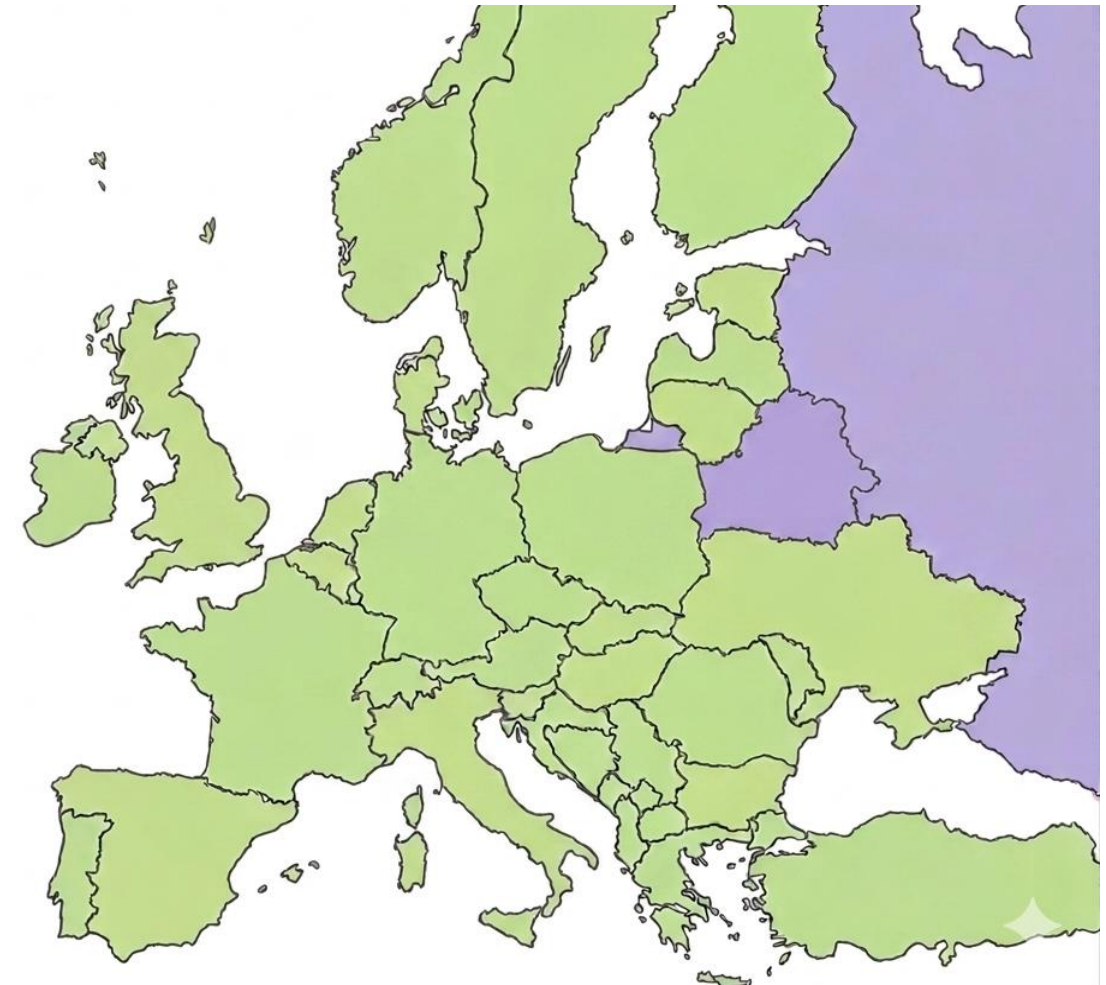
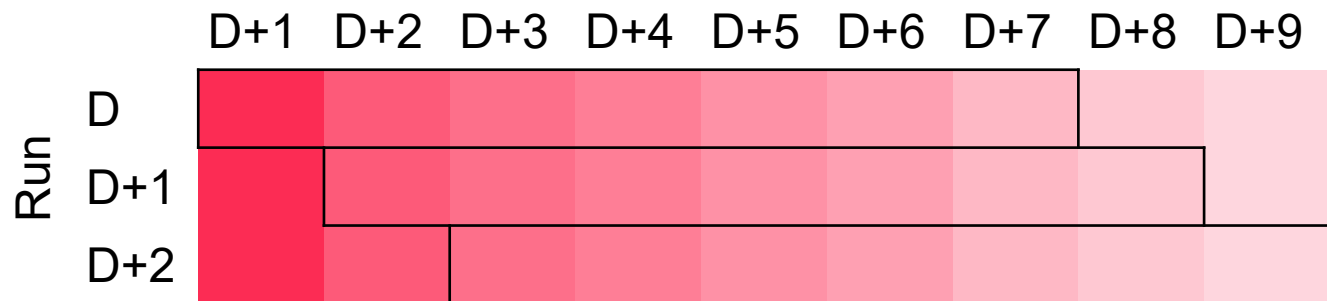
Information about potential limited downward flexibility in Switzerland for 26 April 2026

The European Transmission System Operators run a daily coordinated analyses on the adequacy situation in Europe for identifying potential electricity over- or undersupply for the next days, considering forecasts

How does Swissgrid assess the risk of upward or downward inadequacy?

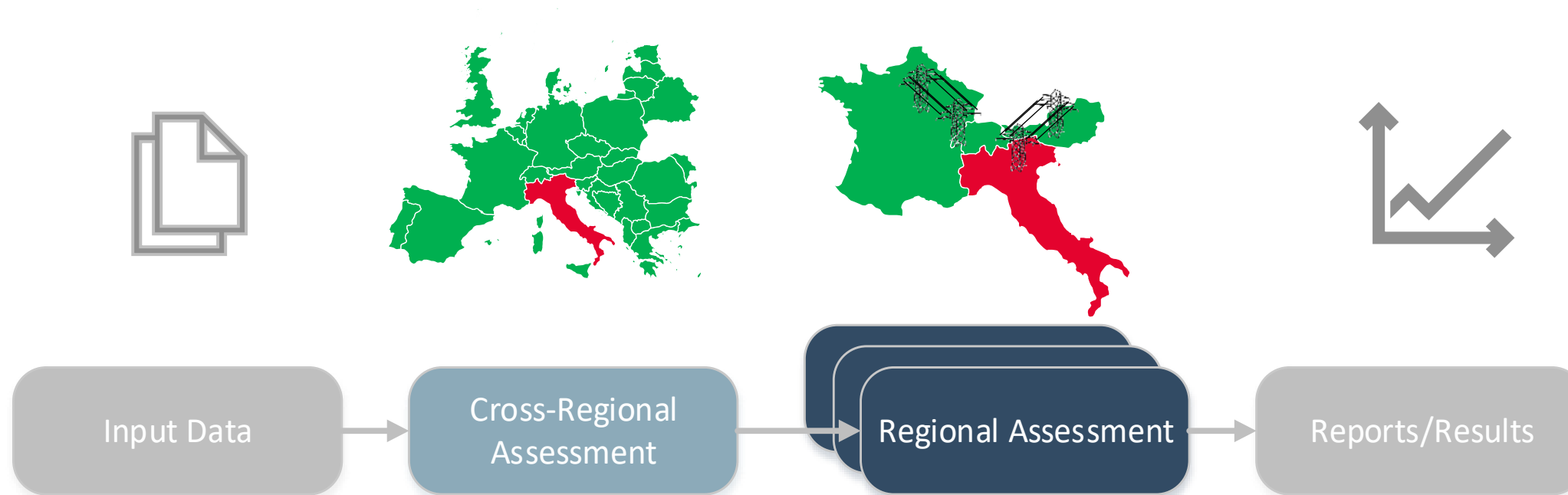
Short-Term Adequacy (STA) Assessment

- Coordinated pan-European process: **33 countries participating** (36 Transmission System Operators) → coordination (information of adequacy situation on neighboring TSOs) is crucial for reliable adequacy results.
- Operated by Regional Coordination Centres
- Rolling **week-ahead** adequacy assessment → allows early warnings and monitoring of the evolution of the situation



 Participating in STA

STA overview



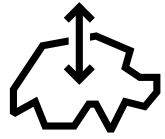
Cross-Regional Assessment (CRA)

Regular process → provides Pan-European overview of **potential adequacy issues** (upward or downward).

Regional Assessment (RA)

Ad-hoc process in case of warning in CRA. Usually, the affected Bidding Zone (BZ) and neighboring BZs are involved. Grid situation and potential Remedial Actions are assessed.

Input Data



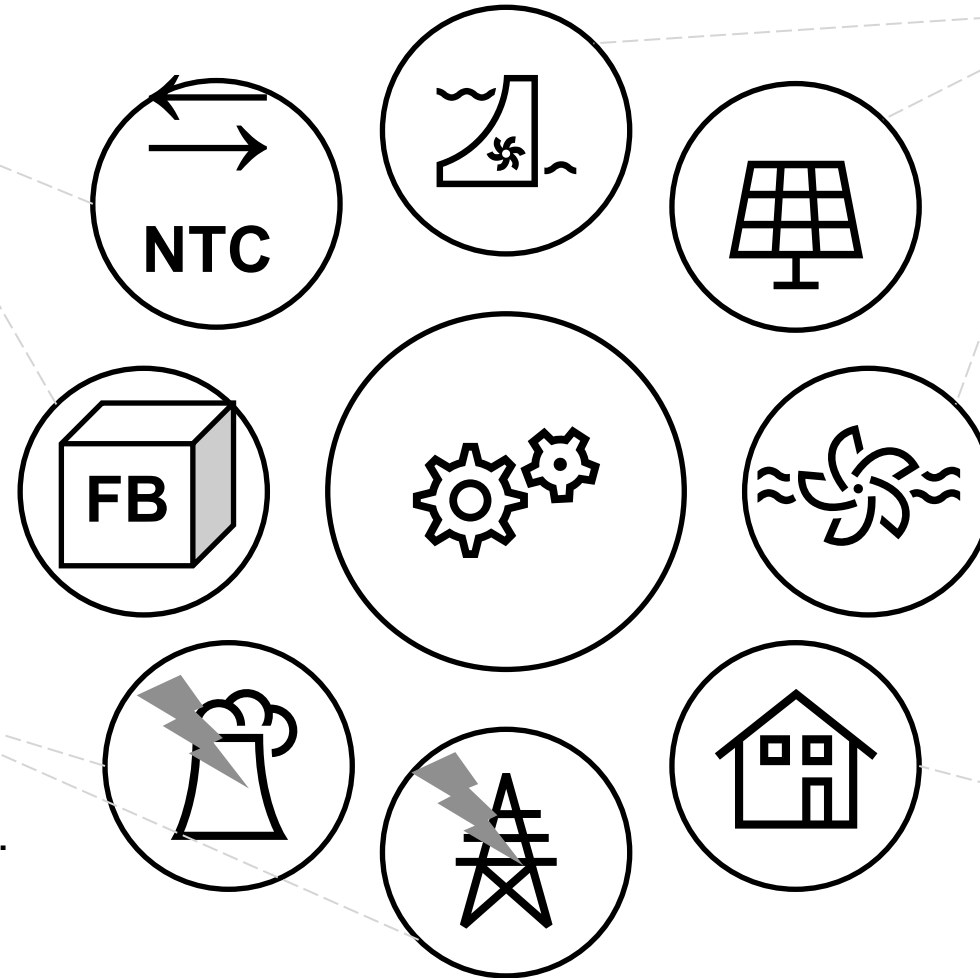
CB Capacities

- Week-ahead to Day-Ahead (DA) NTCs, except for:
- DA flow-based constraints of Core and Nordic Capacity Calculation Regions (CCR).



Probabilistic Parameters

- Forecast curves: load, PV and wind.
- Tripping ratios for generation and HVDC
- Correlation parameters ensuring realistic scenario generation



Hourly granularity and aggregation per BZ for all input data

Generation



- Reliably Available Capacities per generation type (planned and unplanned outages, system reserves).
- Energy limitations (e.g. hydro reservoir levels).
- **Forecast of RES.**
- Must-run generation.

Consumption

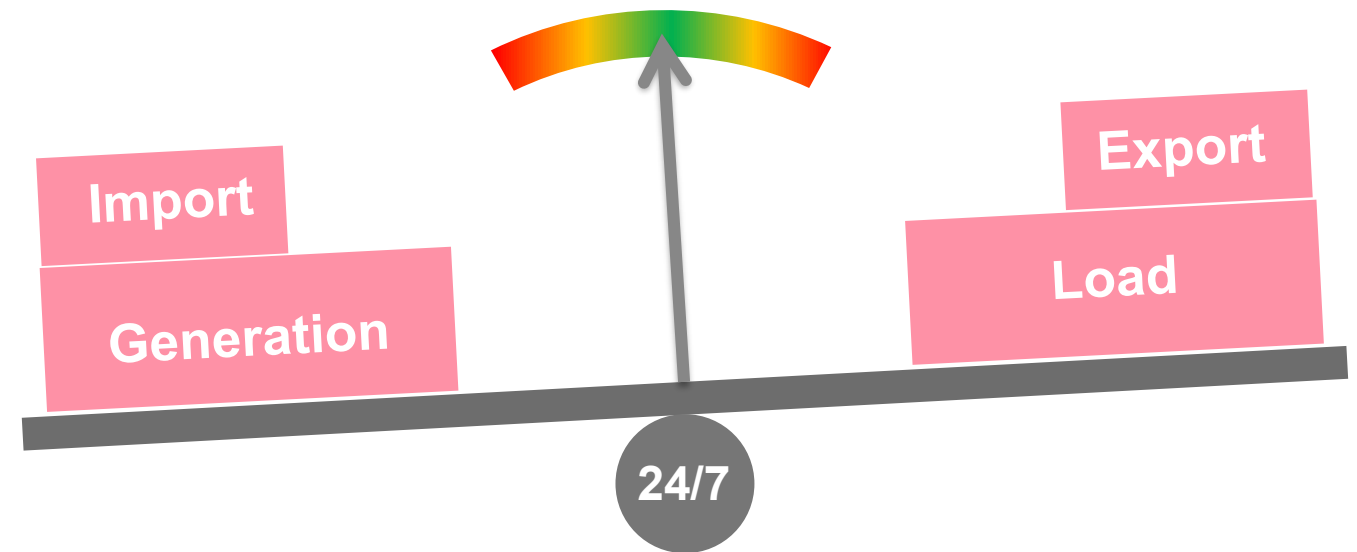


- End-consumer load forecast.
- Losses on the transmission and distribution grid.

Cross-Regional and Regional Assessments

Cross-regional assessment

- **Deterministic** adequacy assessment with focus on generation adequacy considering cross-border capacities.
 - Optimal economic dispatch based on merit order.
 - **Energy limitations** (e.g. hydro reservoir levels) are considered.
 - **Flow-based parameters** are incorporated.
 - Recently introduced feature driven by the high penetration of RES → **downward adequacy assessment** i.e., detect time periods with excess of **inflexible generation** (must-run) comparing to the consumption.
- **Probabilistic** adequacy assessment → the sensitivity of the deterministic result is assessed against various probabilistic variables.



Regional assessment

- Triggered in case of inadequacy warning.
- Affected TSOs hold teleconferences to coordinate on availability and effectiveness of Remedial Actions that could alleviate the problem.

How to react to similar messages in the future



Swissgrid expects similar warnings during summer, mainly due to the high amount of PV generation.



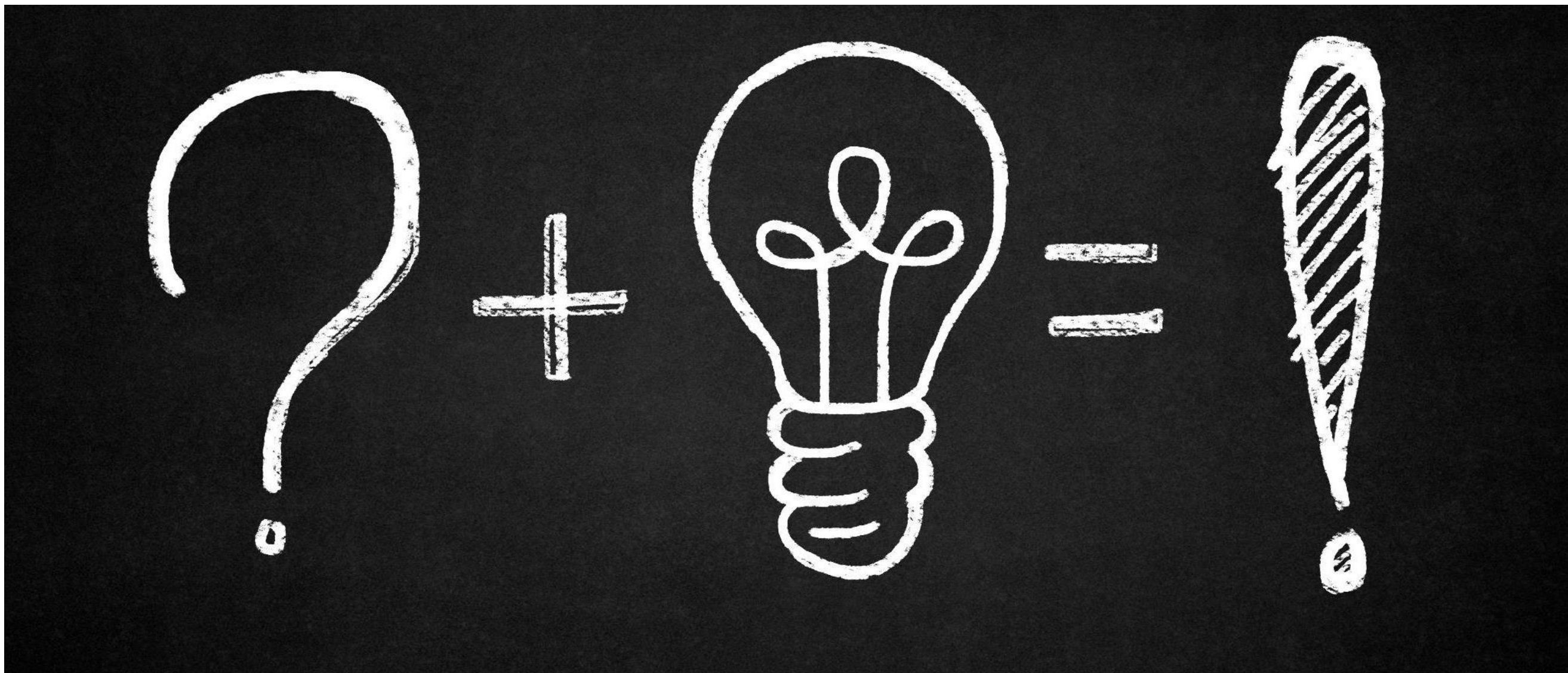
Keep in mind:

- The warning comes from a coordinated adequacy assessment i.e., the situation of neighboring BZs has been taken into account.
- STA relies on forecasts therefore, it detects potential adequacy issues that might or might not materialize in real time.

In the case of similar messages in the future

- Balance Groups are requested to be balanced and to contribute to actively balance the Swiss control area as contractually obliged so that sufficient downward flexibility is available to tackle the potential

Questions?



Ancillary Services: Price evolution and Liquidity

Francesco Gerini
Senior Specialist Market & Product Design

Online, 1 June 2026

Swissgrid's Inclusion in EU Platforms

Ancillary Services Price: Price Evolution and Liquidity

■ Member ■ Observer ■ Non-operational member
▤ Sharing available transfer capacity

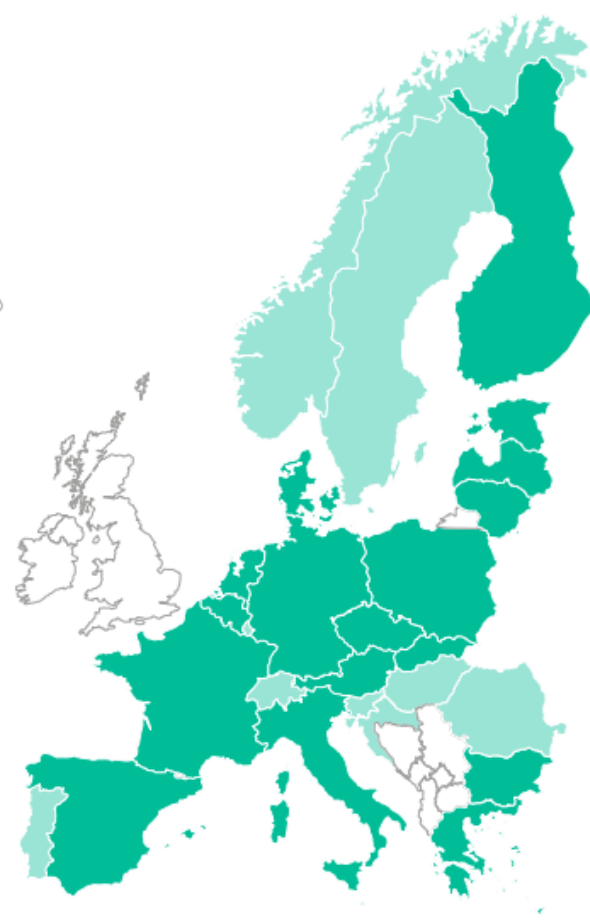
FCR Cooperation



Imbalance netting (IGCC)



PICASSO



MARI

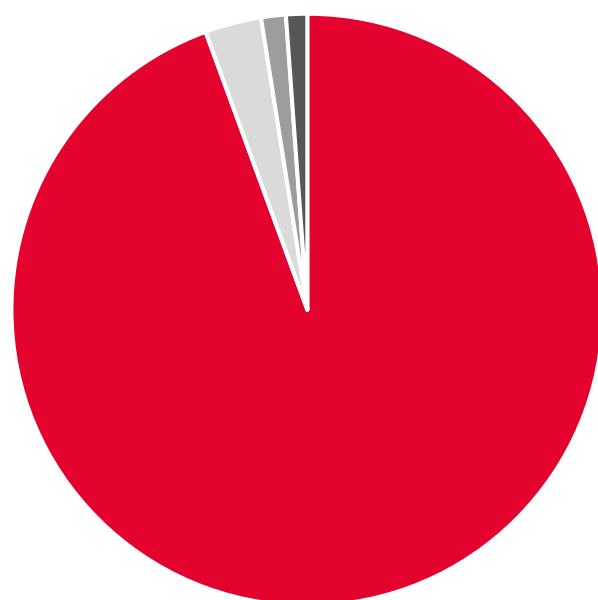


Current PQ mix in Switzerland

Ancillary Services Price: Price Evolution and Liquidity

PQ power:

- Significant prequalified power capacity
- Predominantly relying on a single technology: hydropower, including run-of-river, pumped storage, and reservoir power plants
- Introduction of batteries into the market underway

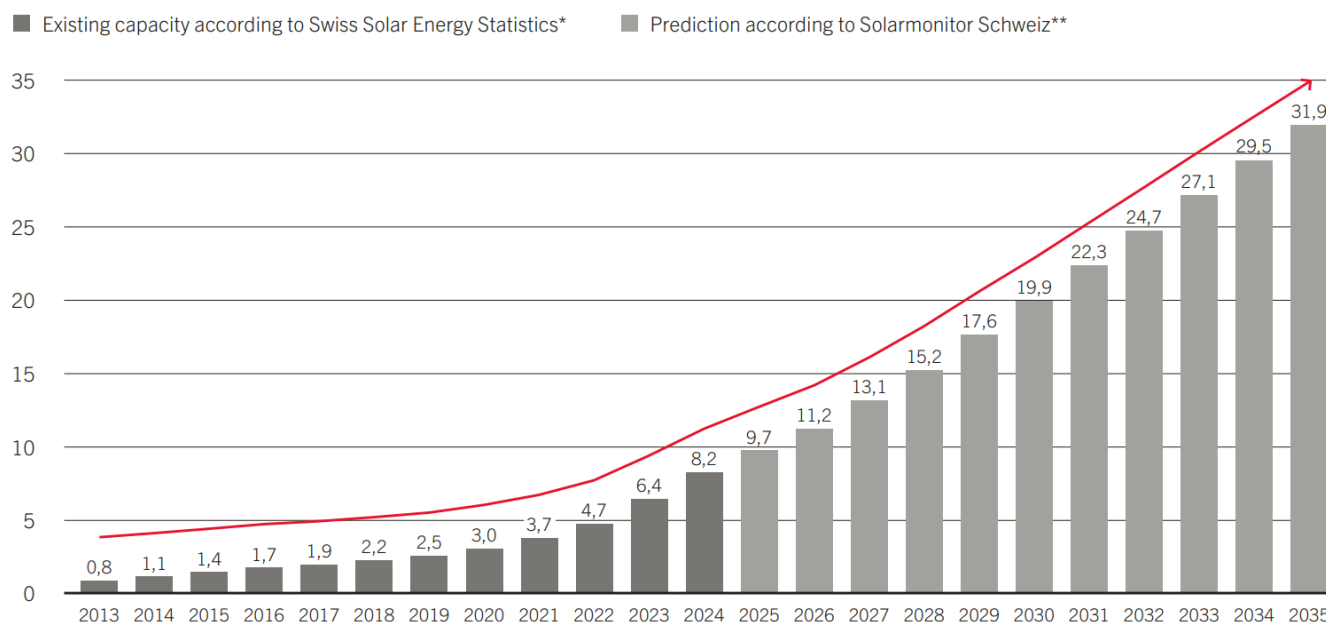


- **Hydropower (Pump Storage + Reservoirs)**
- Hydropower (Run of River)
- Batteries
- Other

Energy Mix in Switzerland:

- Most of the energy still comes from hydro and nuclear
- PV installation are rising fast

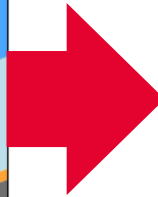
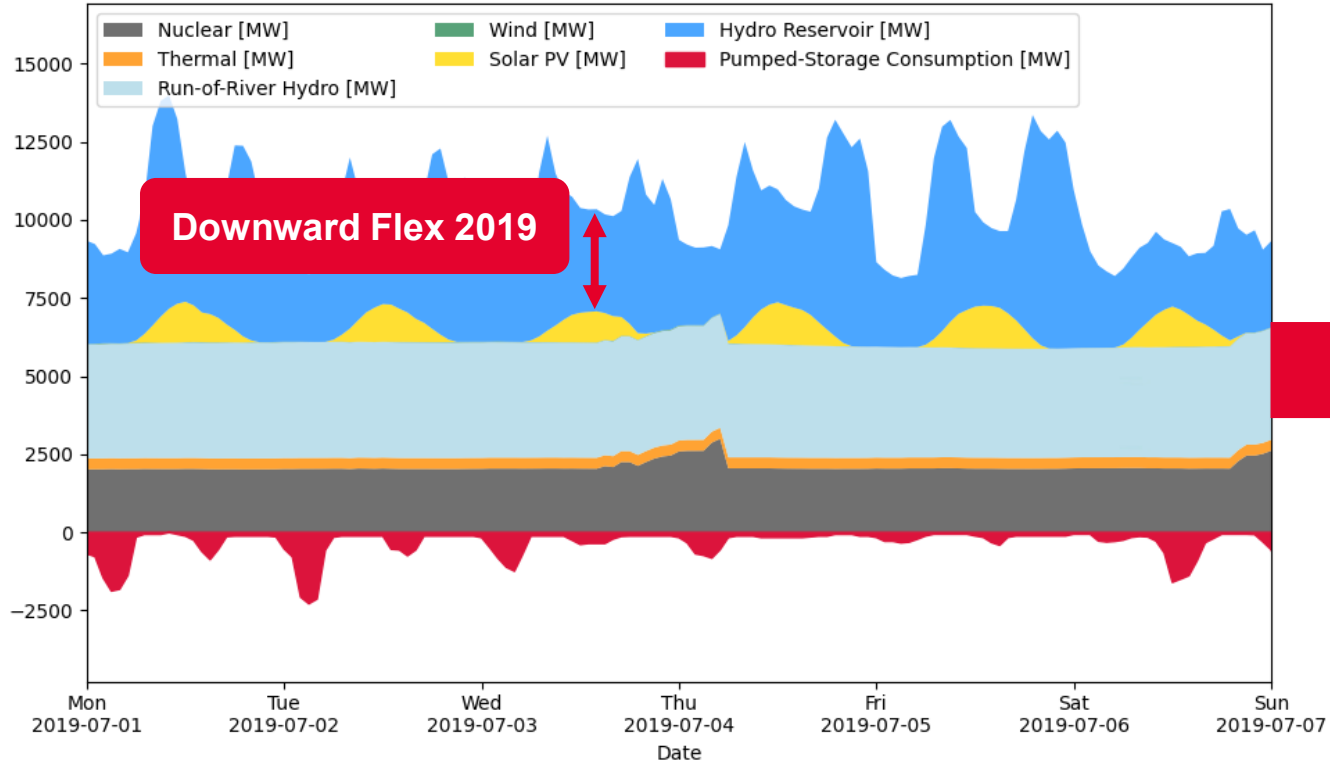
Cumulative installed PV capacity in Switzerland (GW)



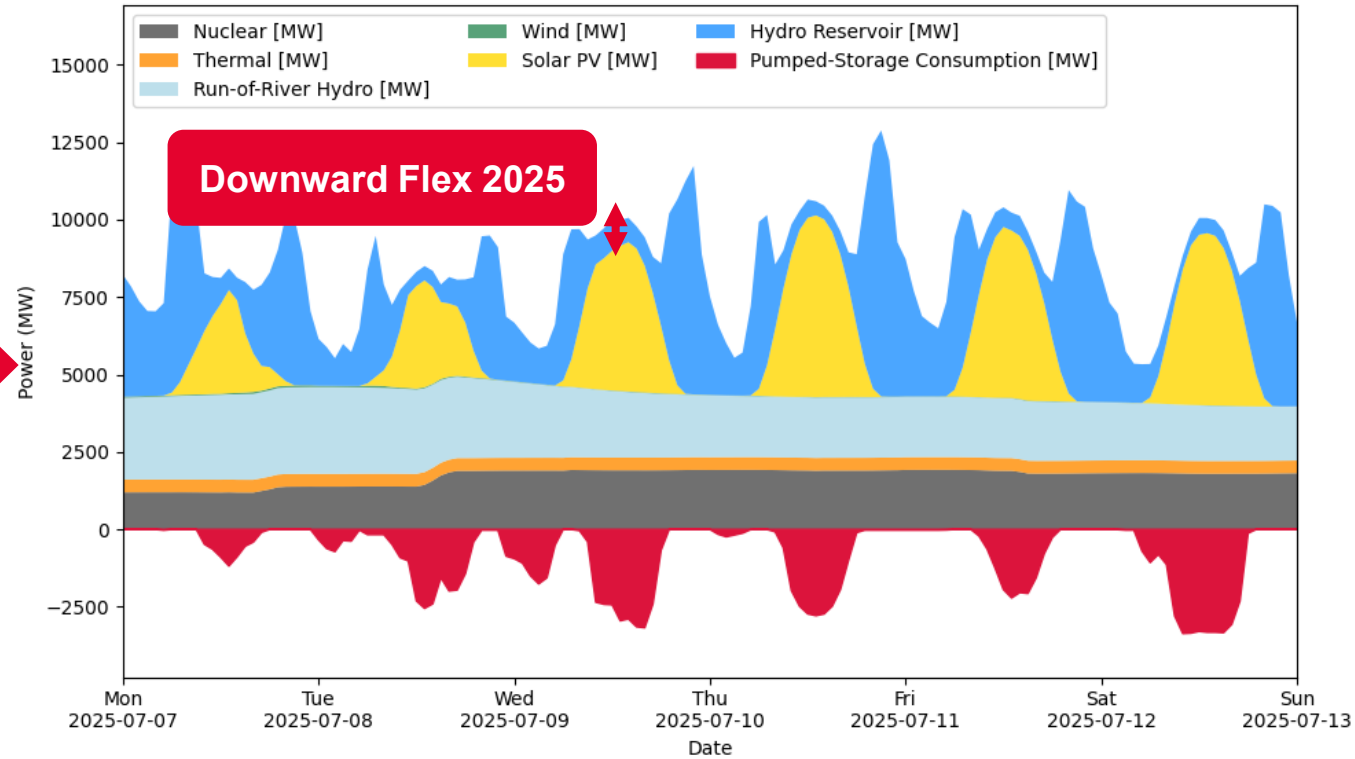
Energy Transition and Impact on (Downward) Flexibility

Ancillary Services Price: Price Evolution and Liquidity

Swiss Hourly Generation Mix (2019)



Swiss Hourly Generation Mix (2025)



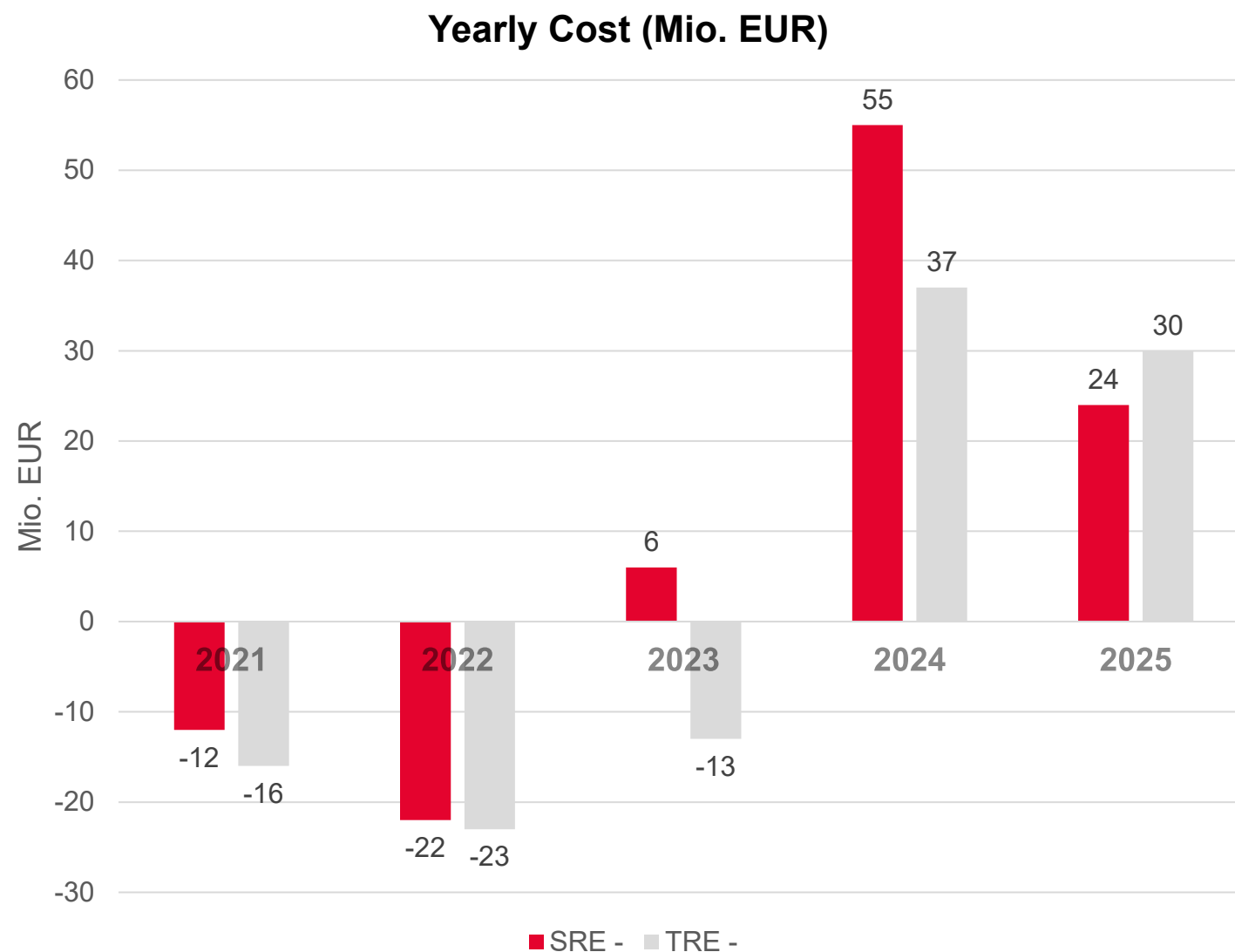
What happens at 40 GW PV ?



Energy Transition and Impact on (Downward) Flexibility

Ancillary Services Price: Price Evolution and Liquidity

- The lack of downward regulation significantly affects the total system cost for both SRE and TRE downward regulation.
- Until 2022, both SRE- and TRE- were both offered with positive prices (BSPs pay to lower its production).
- This trend has reversed, with 2024 being the most challenging year in terms of cost of downward regulation.
- Although the situation is improving, the overall indication remains that downward regulation is offered at negative prices (BSP is paid to reduce its production) both SRE- and TRE-.



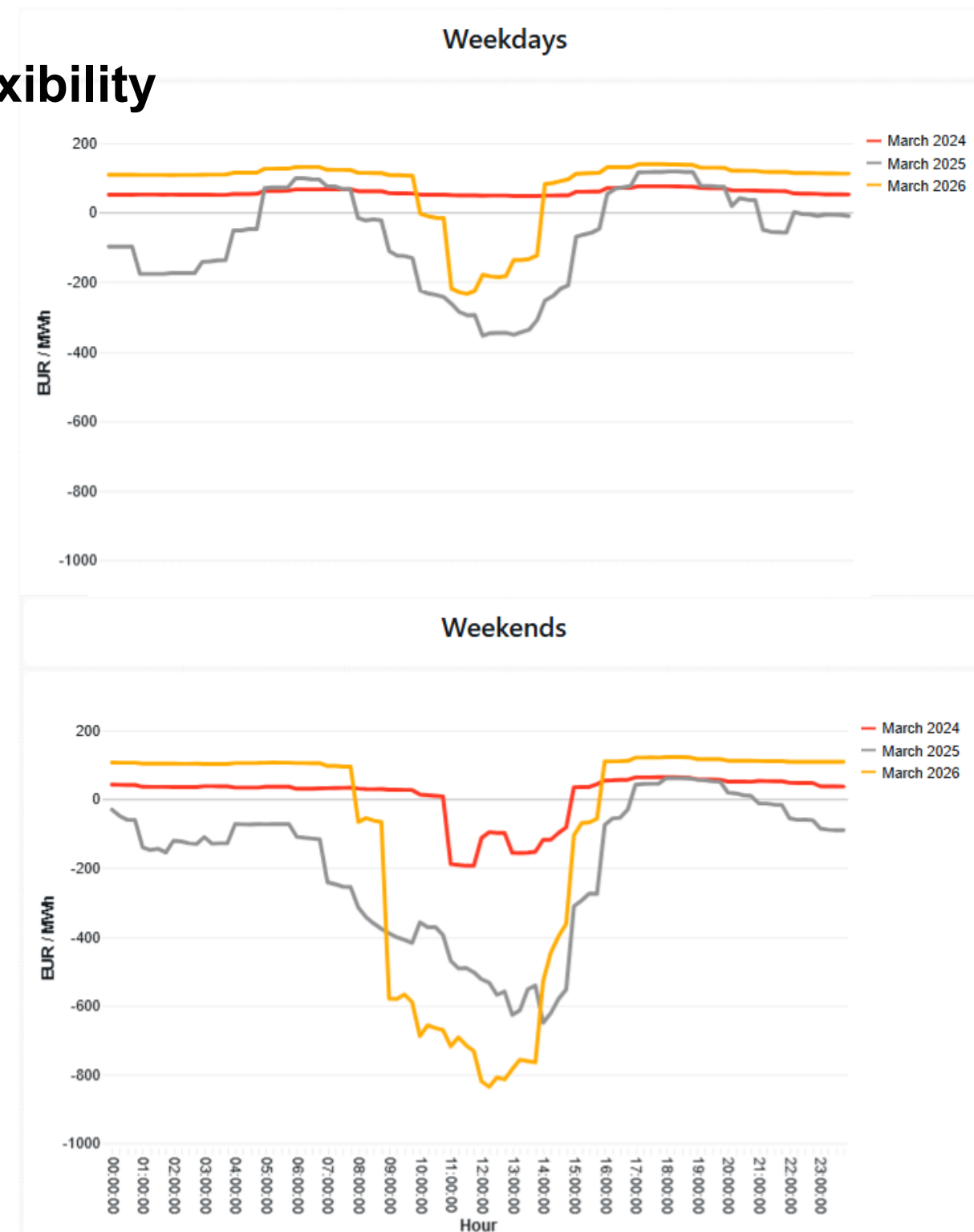
Energy Transition and Impact on (Downward) Flexibility

Ancillary Services Price: Price Evolution and Liquidity

The chart compares the average price for a 200 MW TRE-activation in March 2024, 2025, and 2026.

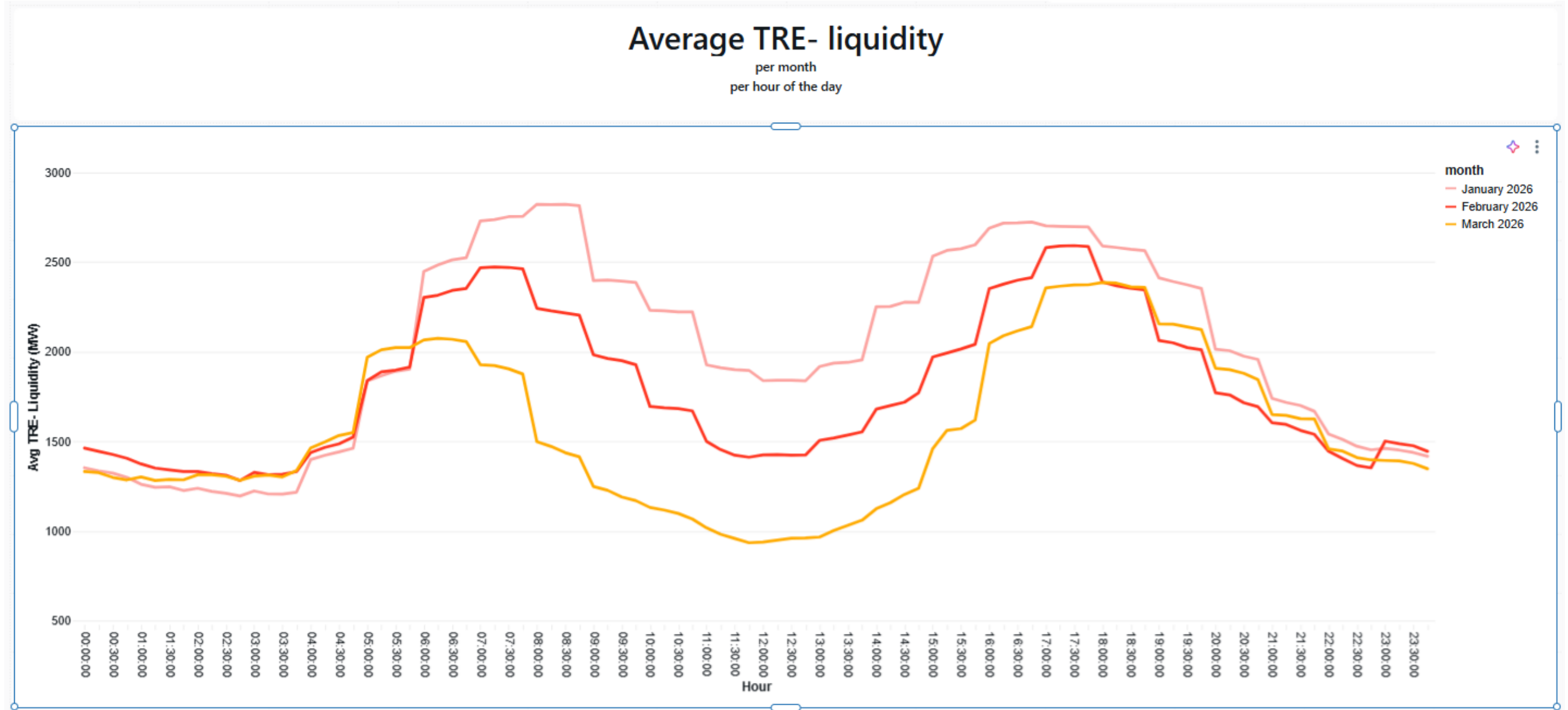
- In **March 2024**, prices are stable and positive as downward regulation is available. Slightly negative prices are visible on midday weekends, when lower hydropower generation struggles to regulate downward during low load periods.
- In **March 2025**, the picture begins to change. Negative prices start appearing in the midday window, also during the week. The pattern tracks exactly the hours of peak PV generation. The system is starting to show stress.
- In **March 2026**, prices in that same midday window are now reaching -400 to -900 EUR/MWh, consistently across the entire month. Severe on weekdays, dramatically worse on weekends.

The explanation is straightforward: PV growth is displacing hydro during midday hours. As PV floods the system, the flexible resources that historically provided downward regulation are pushed out of the market.



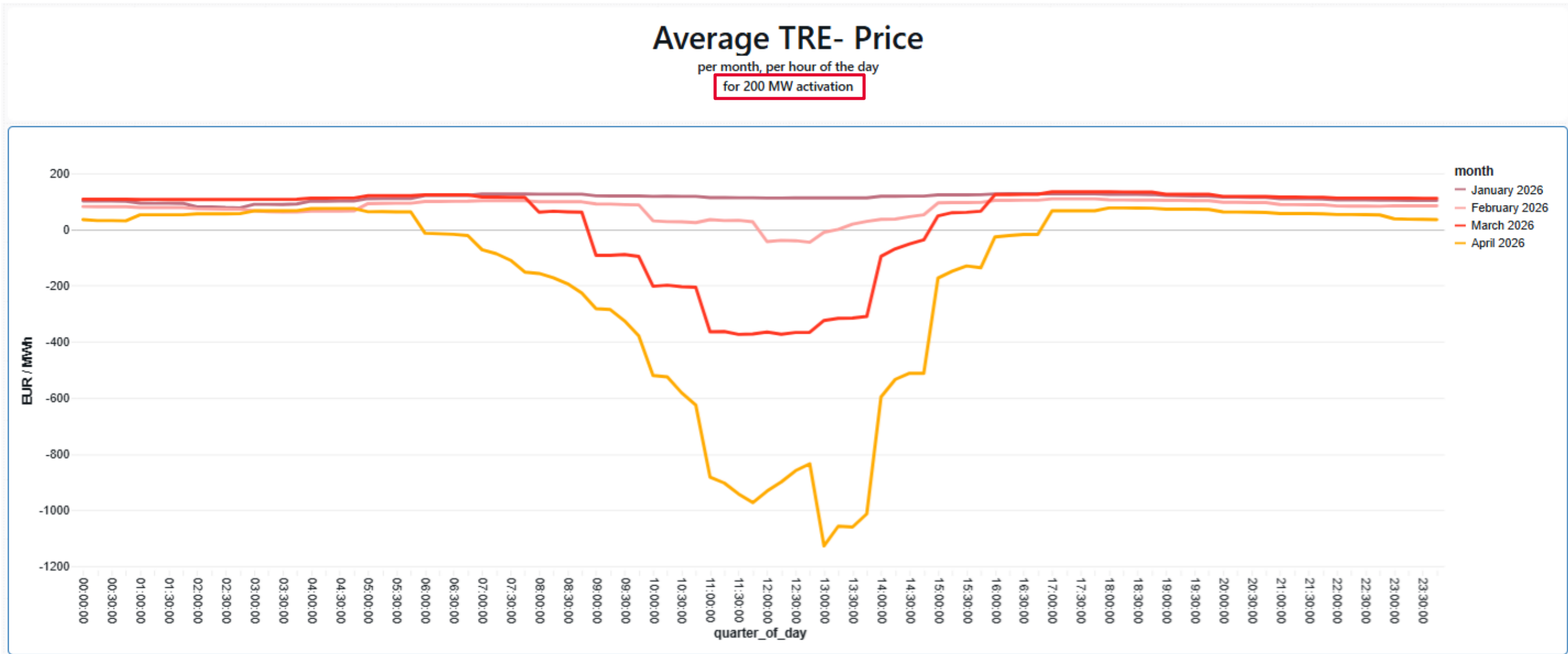
Energy Transition and Impact on (Downward) Flexibility

Ancillary Services Price: Price Evolution and Liquidity



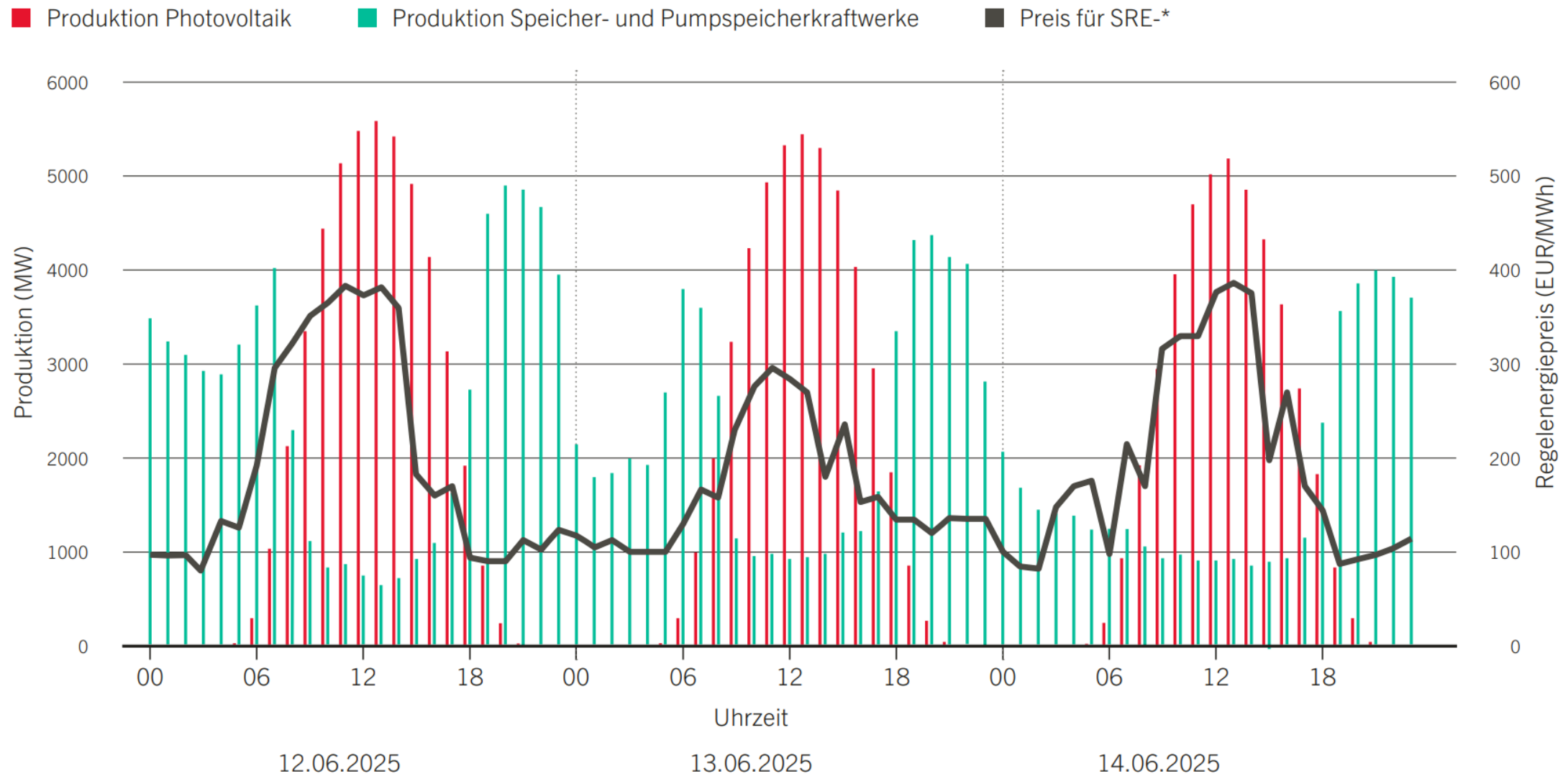
Energy Transition and Impact on (Downward) Flexibility

Ancillary Services Price: Price Evolution and Liquidity



Energy Transition and Impact on (Downward) Flexibility

Ancillary Services Price: Price Evolution and Liquidity



* Durchschnittlicher Preis für SRE- für eine theoretische 100-MW-Aktivierung.

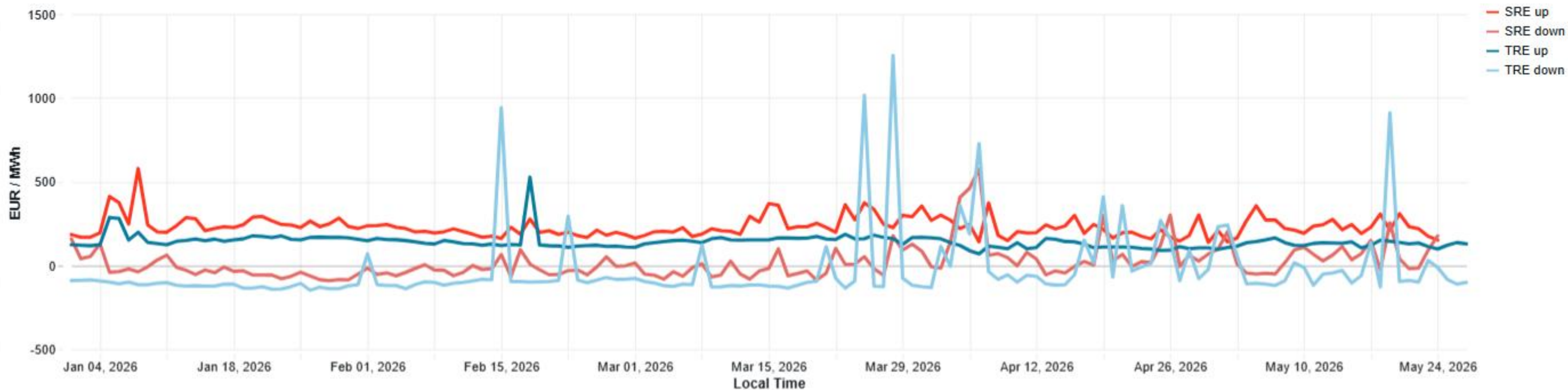
Energy Transition and Impact on Flexibility

Ancillary Services Price: Price Evolution and Liquidity

The graph below illustrates the daily average prices for various balancing energy products, ranked from the most to least expensive during the first two quarters so far:

- SRE+
- TRE+
- SRE-
- TRE-

- SRE products tend to be pricier than TRE products, and upward regulation commands higher prices compared to downward regulation.
- The peaks in TRE- reflect the impact of high downward volume requests during scarcity periods.
- SRE- exhibits lower price peaks due to the imposed price cap of 1000 EUR/MWh.



Energy Transition and Impact on (Downward) Flexibility

Ancillary Services Price: Price Evolution and Liquidity

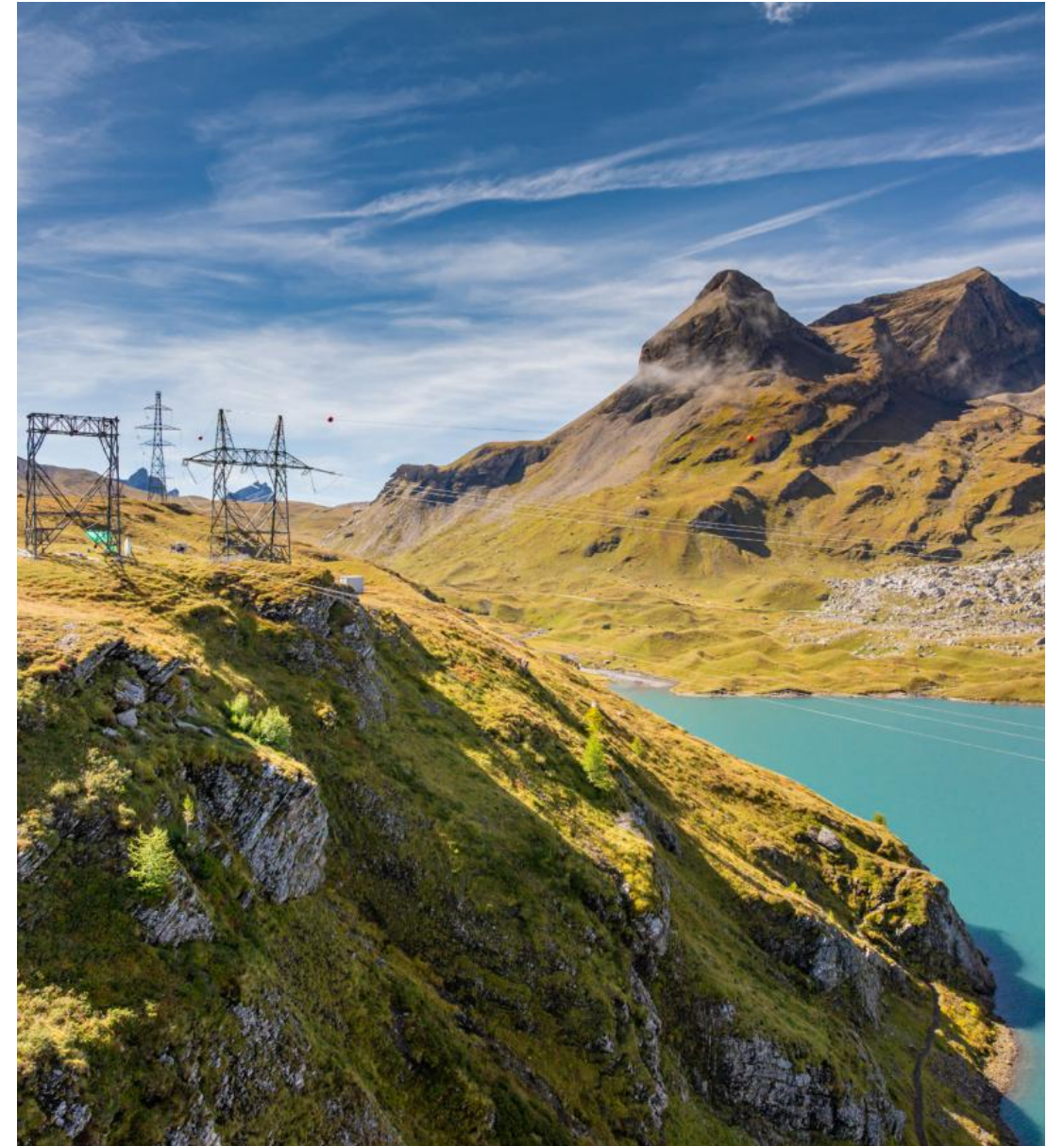
Main Takeaways:

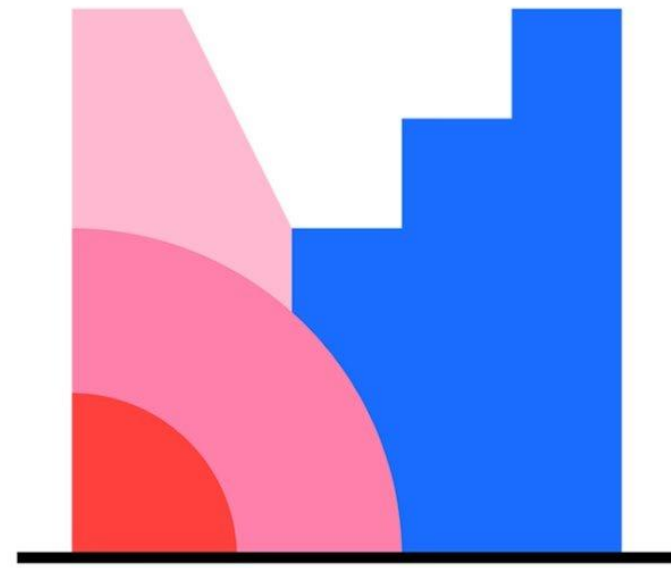
- The energy mix is changing very fast
- With a change in generation mix, comes a change in flexibility availability
- The main struggle for flexibility, especially downward is during low load, low export and high renewable penetration
- With the main source of flexibility for the country (hydropower) being mostly off during high PV infeed, high prices are showing scarcity.

Swissgrid continues its effort to reduce demand and increase supply during these moments.

Increase supply of flexibility through:

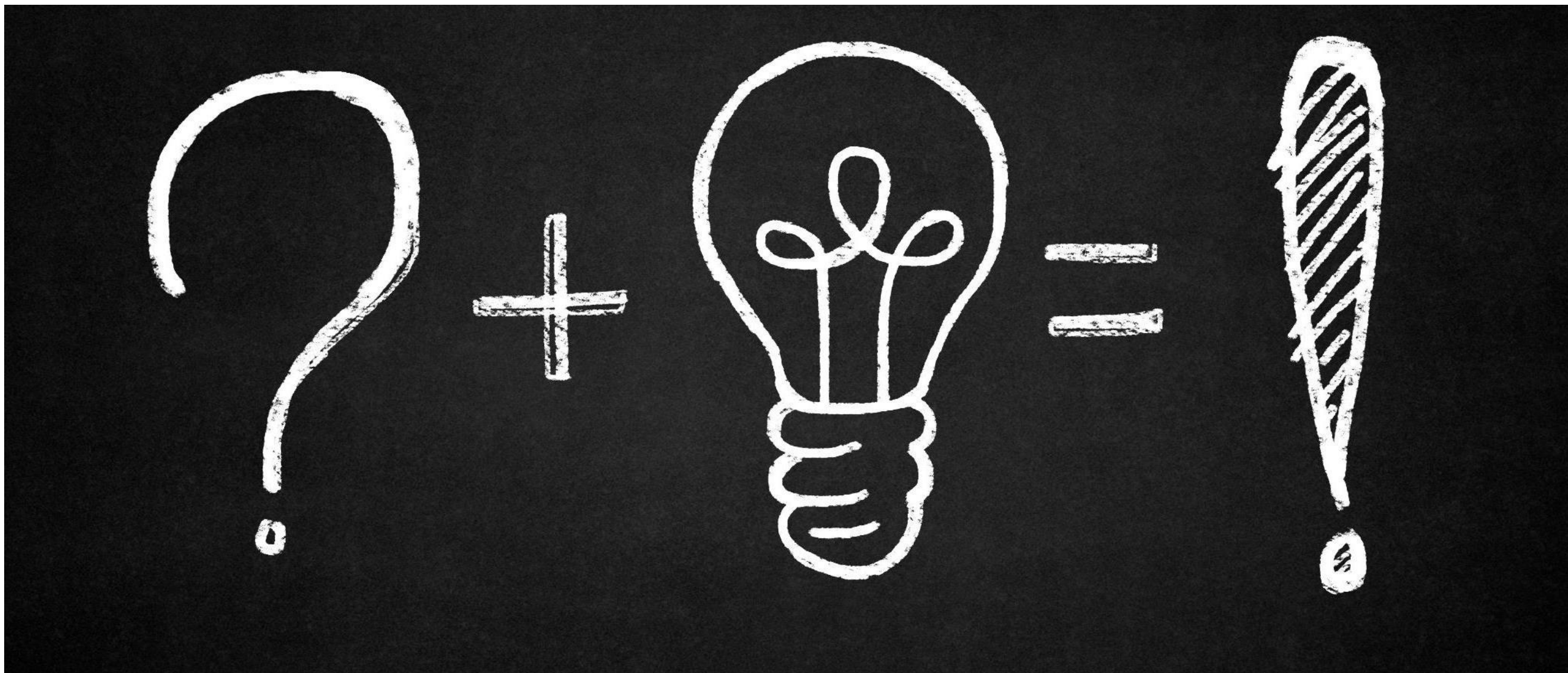
- PV for Balancing Project (PV4B)
- Market Design 2.0 for balancing (MD2.0)





Mentimeter

Questions?



PV4 Balancing and Market Design 2.0

Francesco Gerini
Senior Specialist Market & Product Design

Online, 1 June 2026

Balancing Roadmap

Drivers and Goals



Rapid growth in PV electricity generation



Increasing flexibility potential from new technologies



Regulatory developments



Progress in digitalisation

Goals:

Unlock additional flexibility

Reduce balancing energy demand by strengthening the power markets and introducing a single imbalance price

Maintain readiness for the European balancing platforms while focusing on the Swiss markets

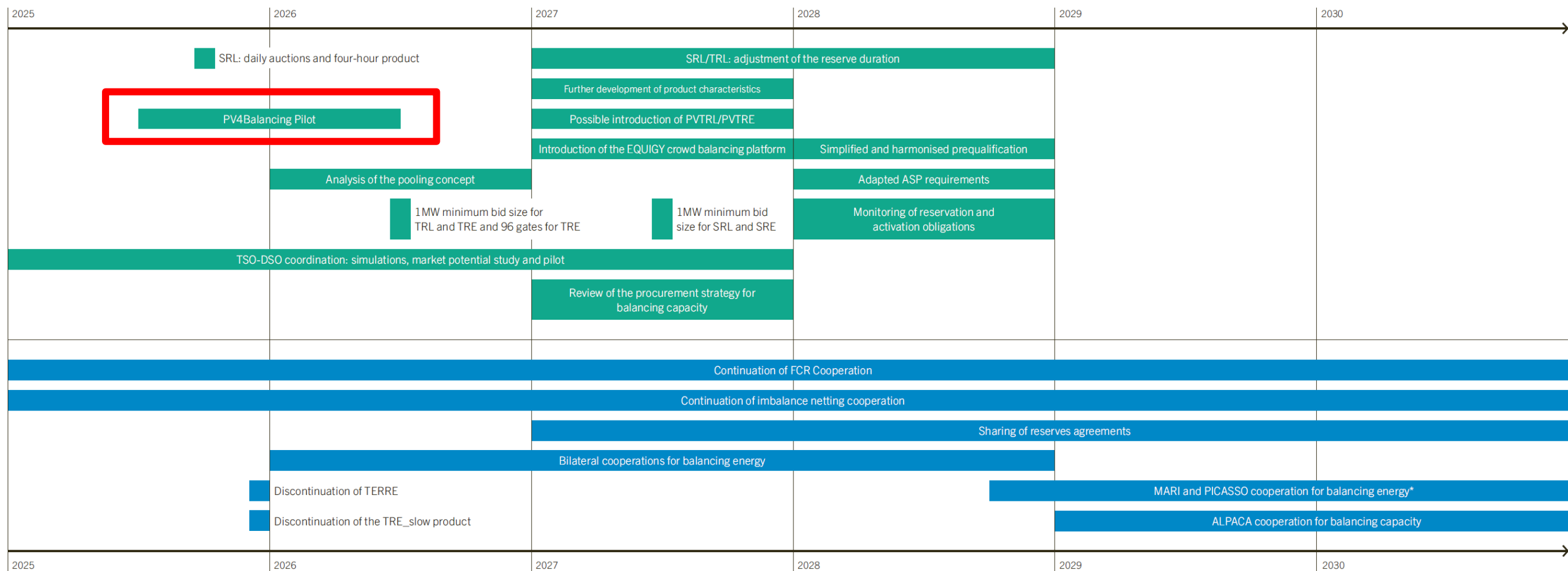
Improve efficiency through continued development of data-driven tools to operate the balancing markets

Roadmap: planned changes until 2030

PV4B

Unlock additional flexibility





Internationalisation of balancing markets



* Dependent on an electricity agreement with the EU

PV4Balancing

Pilot June 2025 – May 2026

-  Together with the Branche, a **PV-compatible standard product** based on TRE was defined (simplified prequalification, fixed performance remuneration, closer to real-time & detailed monitoring)
-  Go-live on **June 3, 2025** (full service integration by July 20, 2025)
-  Participation of **6 SDVs**; other market players (technical aggregators, plant operators) also actively took part in the pilot trial and the accompanying working group
-  50 MWp DC capacity was connected and compensated with a maximum production of **26 MW**
Prequalification of **97 PV systems** for the pilot trial (63 kW – 4.9 MW); 70% of the systems are under 600 kW

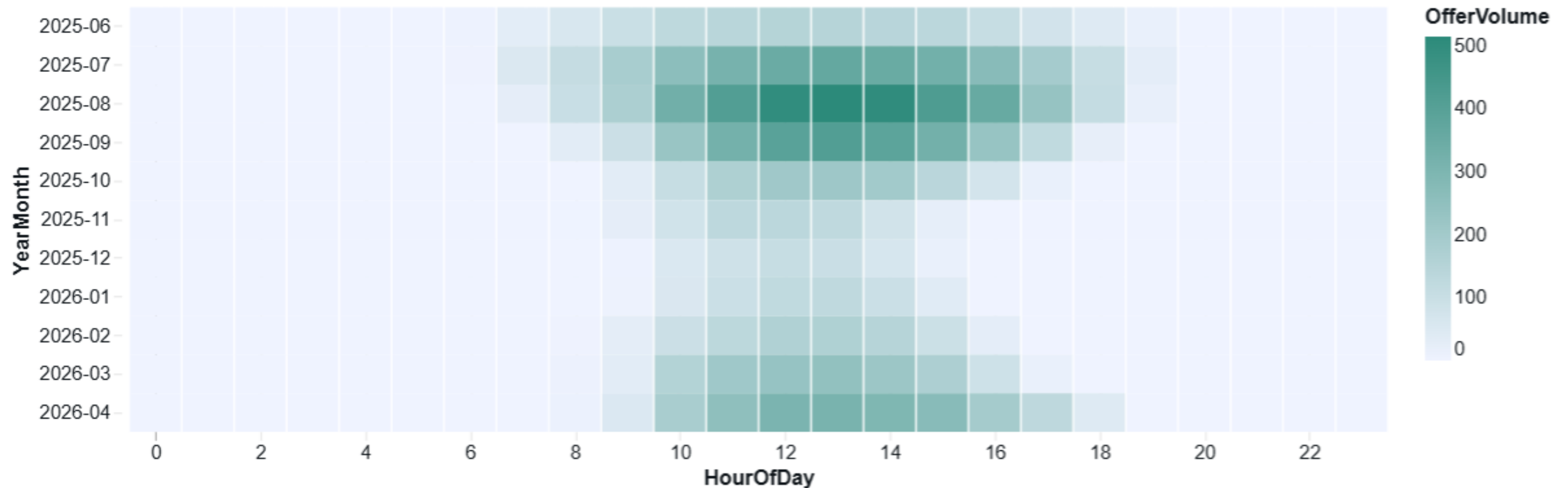
The pilot project 1.0 will conclude at the end of May 2026, establishing a strong **foundation** for the market integration of PV. Valuable **practical experiences** and key **insights** have been gathered. The most important learnings are shared on [swissgrid.ch](https://www.swissgrid.ch), with further details to be explored gradually.

Results from the pilot study

Significance and potential of the technology for balancing markets

- From June 2025 – April 2026, PV activation during 100 hours
- Maximum PV supply capacity in the market was 26 MW

Offer Volume Time Distribution Heatmap in MWh

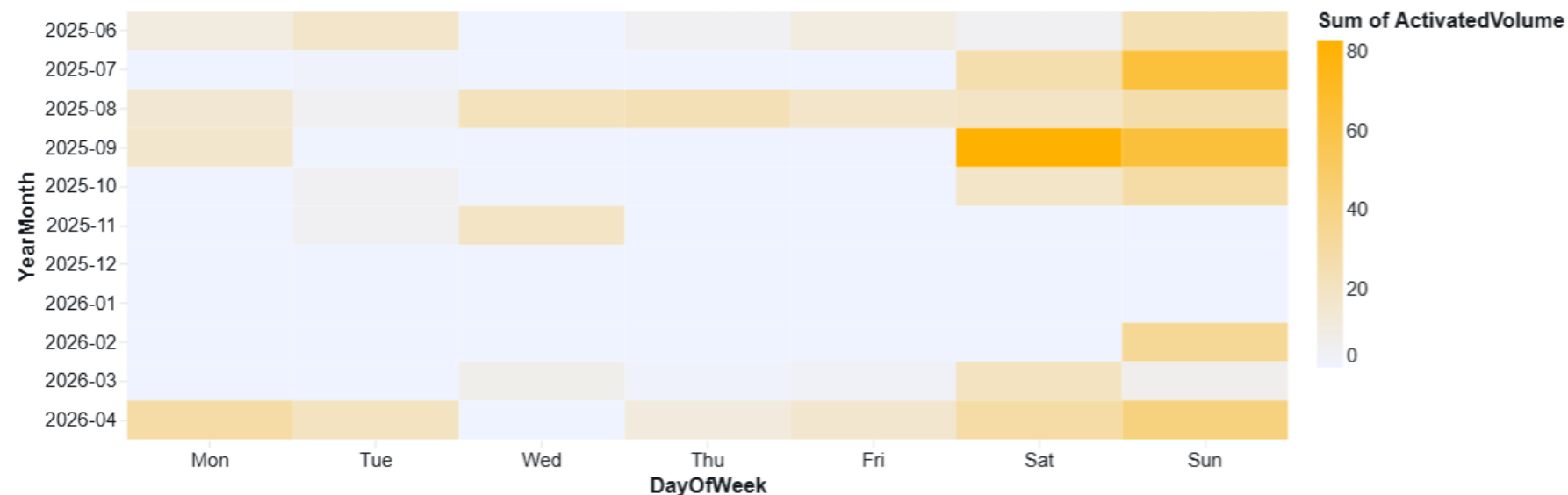
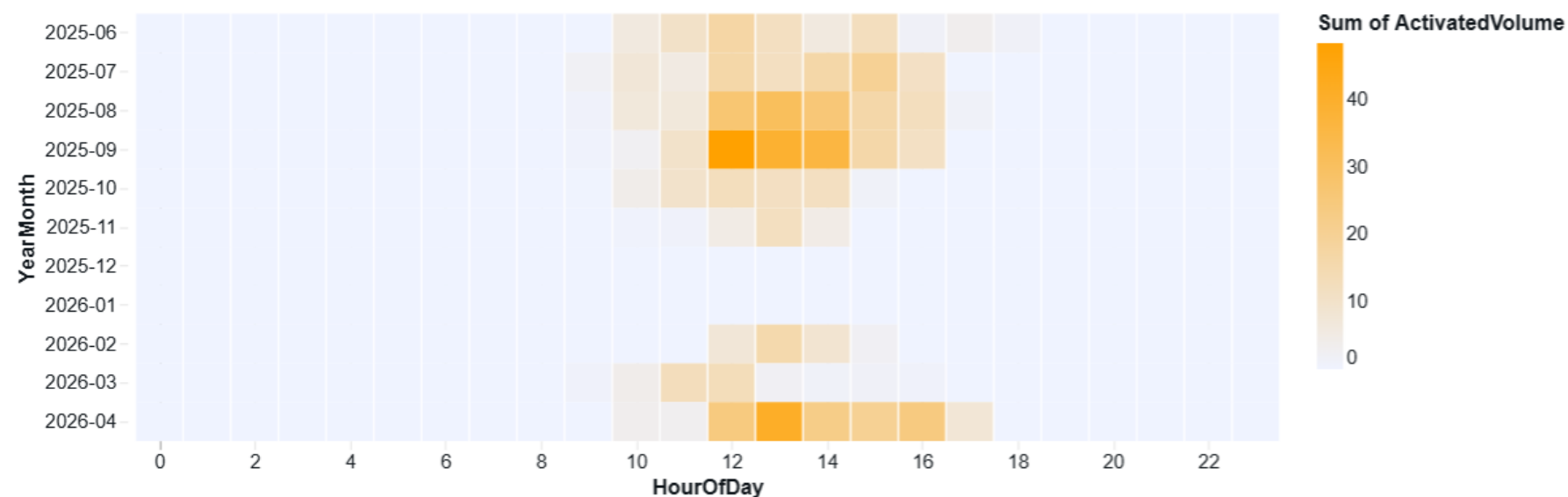



Results from the pilot trial

Significance and potential of the technology for balancing markets

- PV is available when other balancing reserves are lacking

Activated Volume Time Distribution Heatmap in MWh



 PV is particularly competitive during the summer and around midday and can play an important role in the TRE market.

PV4Balancing

Next Steps for Integrating PV into the Tertiary Control Reserve Market

 A recommendation for the **prequalification** of PV will be issued.

- For baselining, no specific methods are prescribed; instead, their quality is evaluated according to defined criteria.

 **Hourly products and D-1 auctions** will be introduced for TRL.

Medium-term integration into the regular TRL market:

- The delivery period and lead time of the additional product better match PV and small flexibilities

 The **pilot trial** will continue from June 1, 2026, with a different focus and adjusted product design for availability.

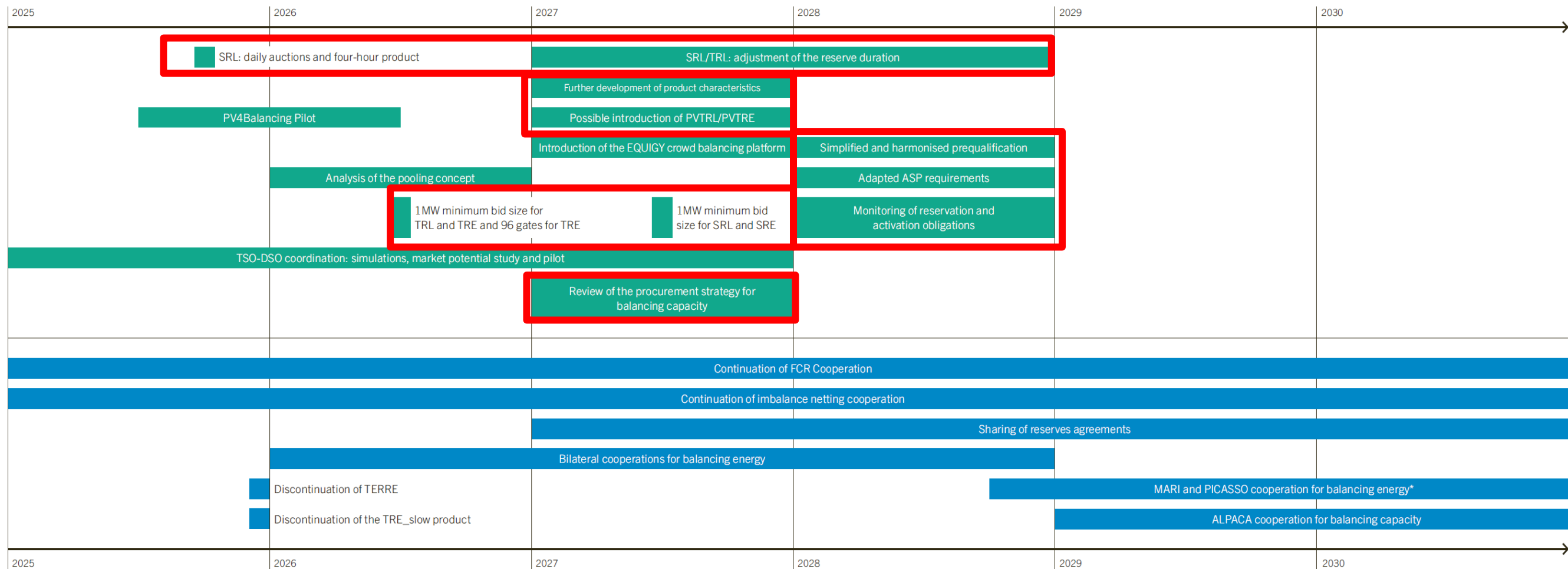
- Anticipate and proactively address challenges of the future market design (especially PQ/baselining and TRL with PV)
- Opening for additional participation: up to 60 MW maximum capacity
- Improvement of the provision of balancing energy with PV

Roadmap: planned changes until 2030

Market Design 2.0

■ Unlock additional flexibility

■ Internationalisation of balancing markets

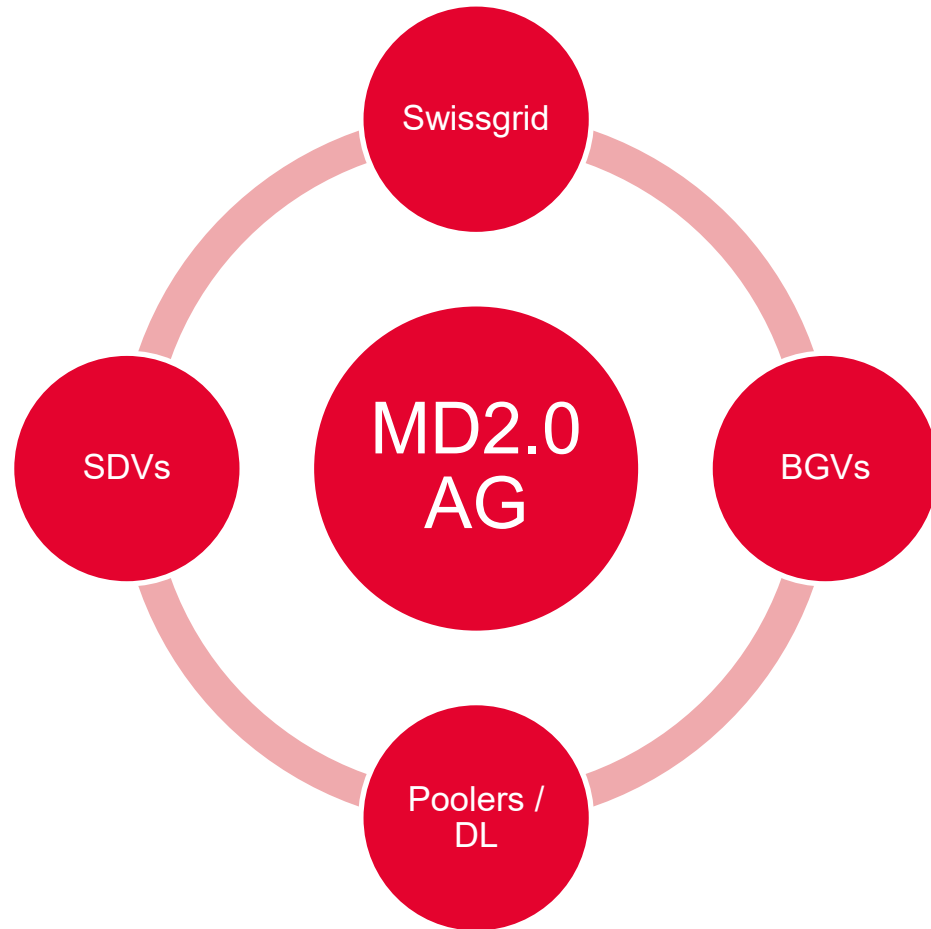


* Dependent on an electricity agreement with the EU

Composition and Responsibilities of the Main Working Group

Market Design 2.0

Composition of the Main Working Group



Tasks of the Main Working Group

- Discussion of overarching planning and setting of priorities
- Ensuring an overall overview of all projects and developments
- Discussion of the need for additional topic-specific sub-working groups
- If sub-working groups are formed, the central findings developed there will be reflected in the main working group
- Organization and support of contract adjustments
- The working group does not replace existing BGV- or SDV-specific meetings (although content may occasionally overlap)

Market Design 2.0

Overview

Working group structure:

AG Balancing Roadmap Main WG

Overall coordination, roadmap, timelines and prioritization

Sub-WG Market Design

SRL, TRL, SRE and TRE market design discussions

Sub-WG IT SDL B&E

Implementation and operational topics with SDVs

1st AG Market Design meeting – 13 May 2026

- TRE: Business type for PV activations
- TRE: Direct activations and 0.1 granularity
- SRL/TRL: D-1 procurement with shorter product durations (focus on 4h and 1h products)
- SRL/TRL: Divisibility and paradoxically rejected bids.

Next steps:

- Swissgrid will share a formal proposal for the SRL/TRL market restructuring with all SDVs for written consultation and feedback.

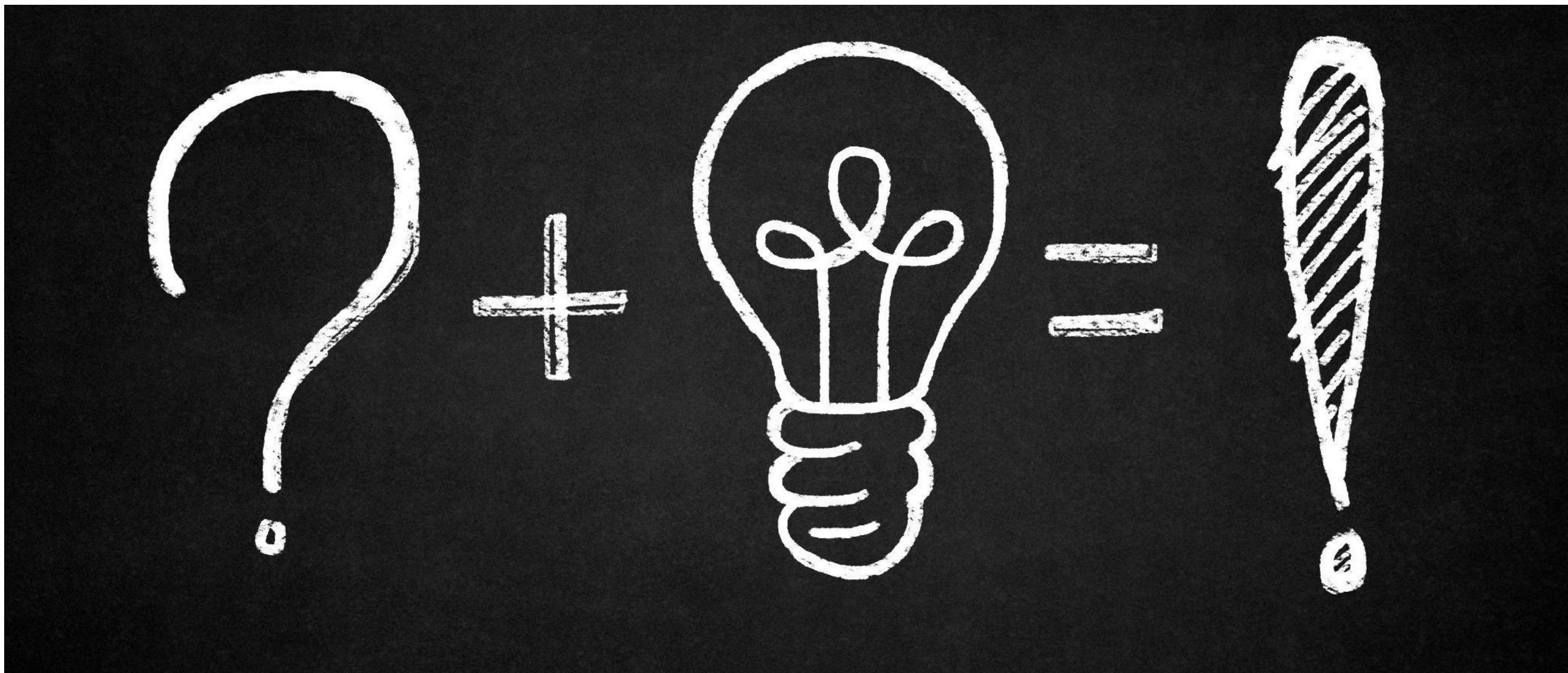
Already implemented / ongoing measures:

- TRE: Reduction of minimum bid size to **1 MW**
- TRE: Introduction of **15-min resolution (“96 gates”)**

Next steps:

- Evaluate the medium-term effect of the changes.
- Continue with the implementation roadmap (see next slide)

Questions?



Break



Roadmap for crossborder changes and 15' products

Benito Barberio
Senior Spec. Balance Group & Sched. Services

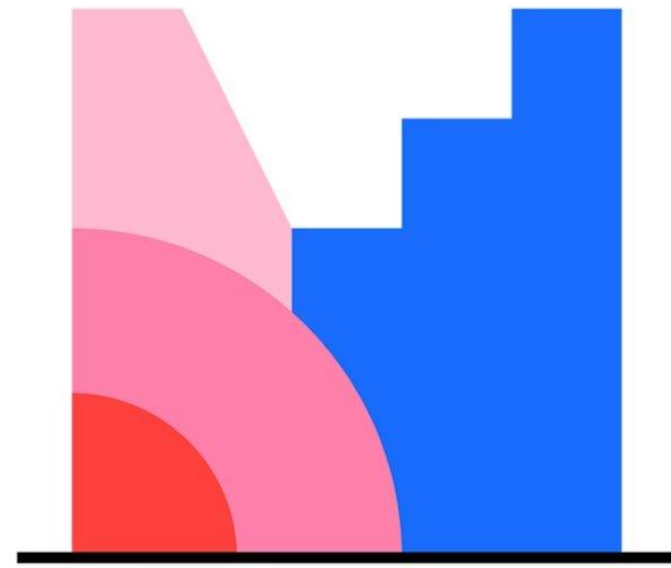
Online, 1 June 2026

15 min. MTU and Blockbids: Swiss Borders JAO & EPEX Spot

- Swiss border day-ahead and CH-FR, CH-DE and CH-IT go live for delivery date 2. September 2026
- Border CH-IT in Intraday go live for delivery date 2. September 2026
- CH-AT follows in Q4 2026.
- Go-live remains subject to NRA approval and successful testing.
- Indivisible Block bids will be available; the JAO open test session runs 17–19 Jun 2026 and requires mandatory registration.
- Swiss local EPEX Spot auctions shift from 60 to 15 min MTU, targeted for 3 Nov 2026 (D-1) and 4 Nov 2026 (D intraday), subject to testing and member readiness.
- The change supports harmonization with European markets and more efficient balancing.

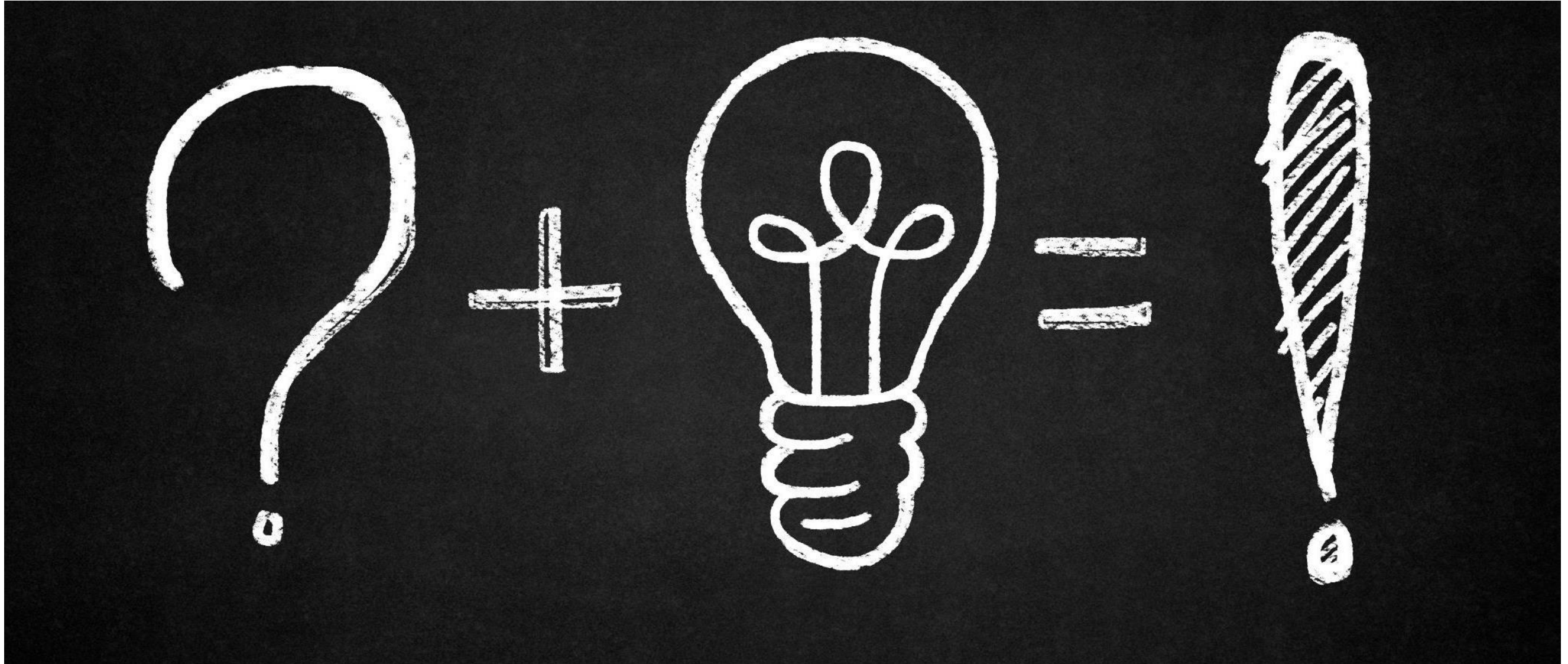
Continuous CH–IT Project / DB AG Platform – Key Updates

- Project Status
 - Currently on track, working on requirements
 - Intraday allocation rules will be consulted in June 2026, more information's coming soon
 - Go-live planned for Q1 / Q2 2027
 - Swissgrid responsible for operations and market participants registration at CH–IT border
- Capacity Contract Type (CCT) Change
 - Switch from: A07 → To: A14
 - A14 > Applies to ID1 and ID2 auctions
 - Planned switch (subject to JAO confirmation): 19 January 2027
- Impact on Market Participants
 - ID1/ID2 nominations must be using CCT A14
 - Existing CCT A07 will be used for continuous intraday trading (time series) at DB AG Platform



Mentimeter

Questions?

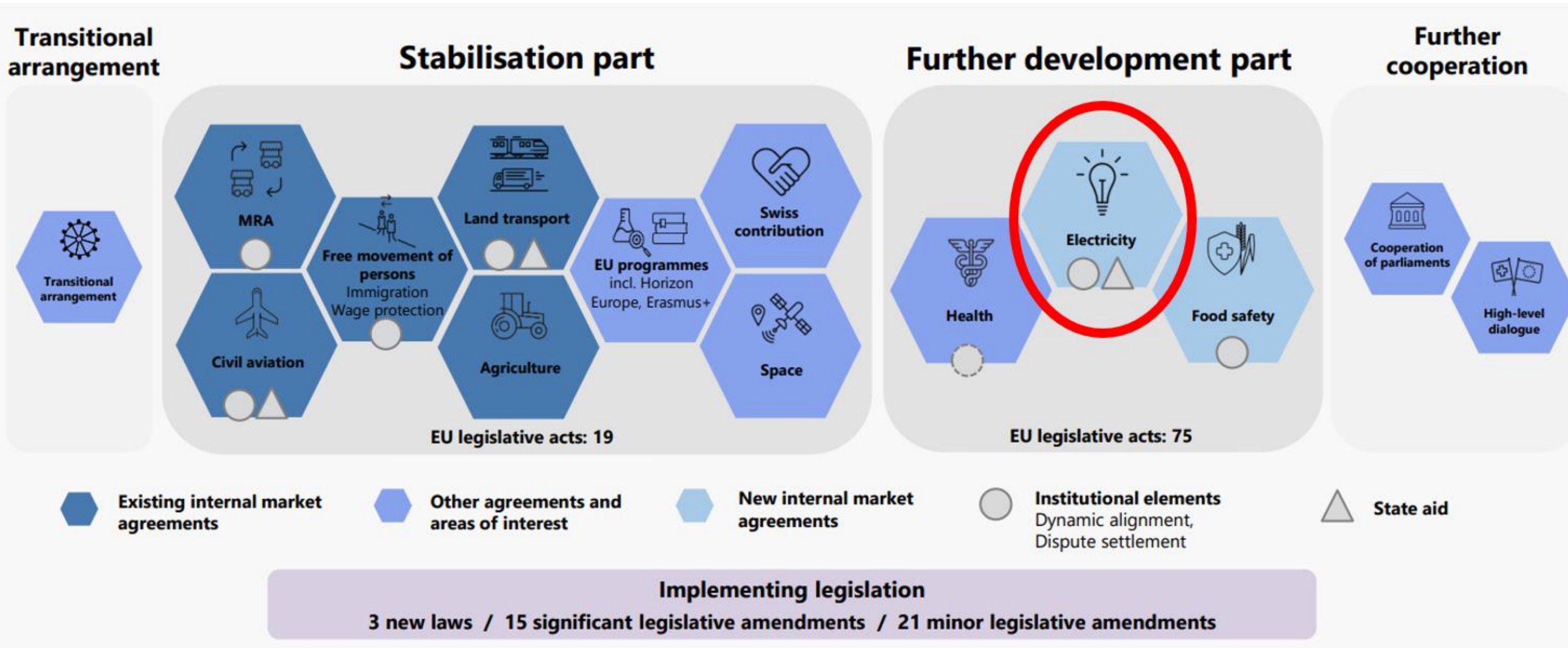


Electricity Agreement

Thomas Hauri
Principal Market Operations

Online, 1 June 2026

Switzerland – EU package includes many individual packages



Detailed information can be found here: [Package Switzerland-EU \(Bilaterals III\)](#)

Current timetable for the approval of the Switzerland – EU package

20 December 2024:
Conclusion of negotiations

13 June 2025 – 31 October 2025:
Consultation process

March 2026:
Start of the parliamentary phase

2028:
Expected public vote on whole package

Swissgrid have already today launched an internal project to prepare for the integration of the Switzerland into European market coupling and to identify and address the gaps in our systems and processes



Switzerland and the EU need each other



Interconnections

41 high voltage power lines connect Switzerland with neighbouring countries.



Hub and transit

Switzerland lies at the centre of the European interconnected grid and is an important transit country for electricity due to its geographical location.



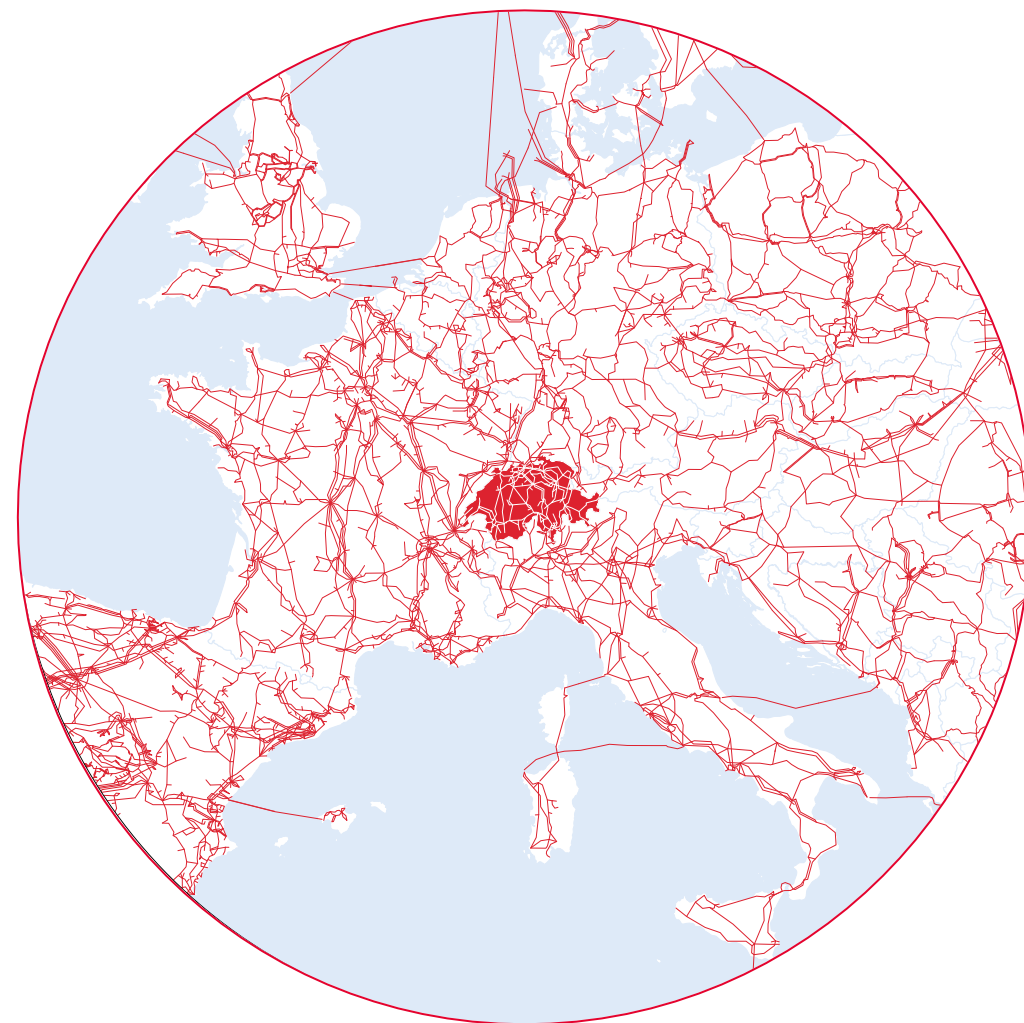
Flexibility

Switzerland acts as an energy store for Europe. Switzerland has an installed capacity of pumped storage power plants of approx. 3`500 MW.

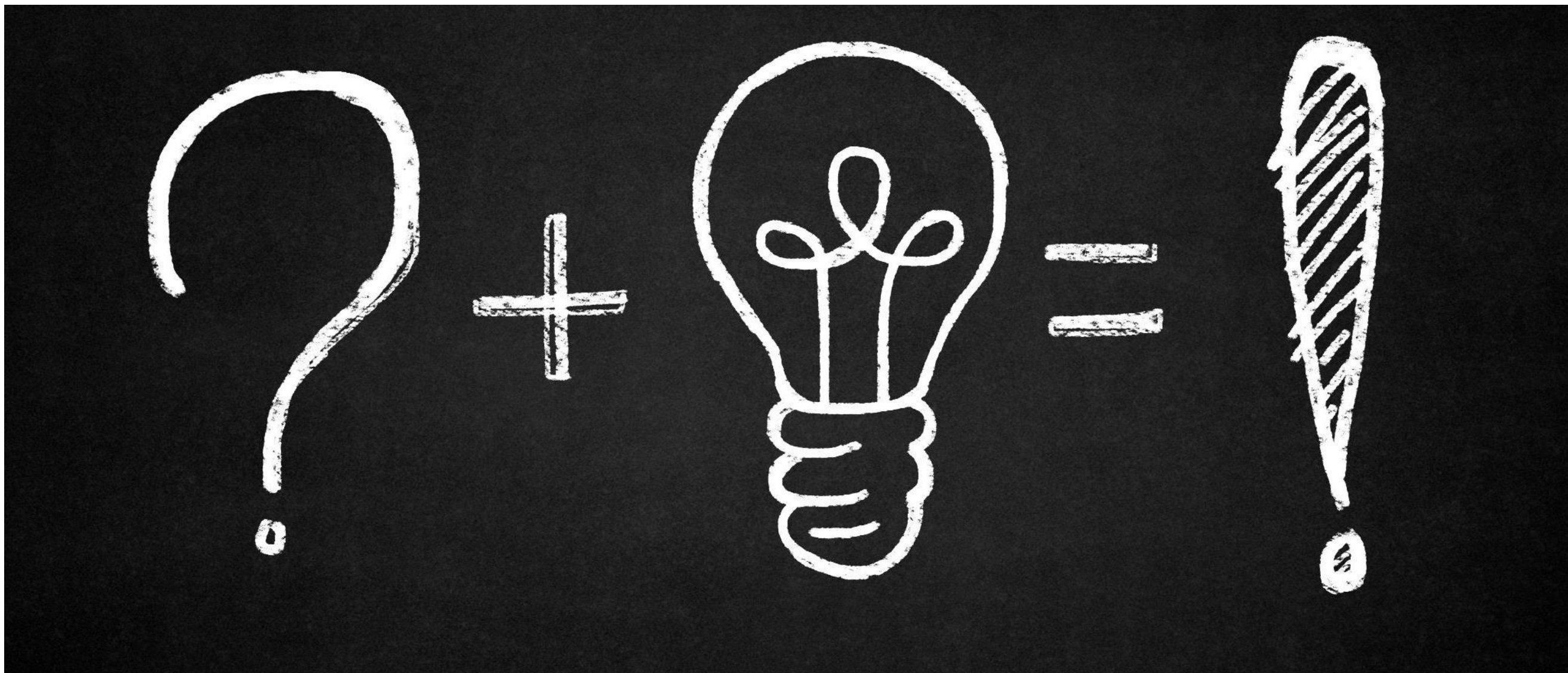


Cooperation

The electricity agreement will optimize the use of resources, strengthening security of supply and economic welfare for both Switzerland and the EU.



Questions?



Settlement Period

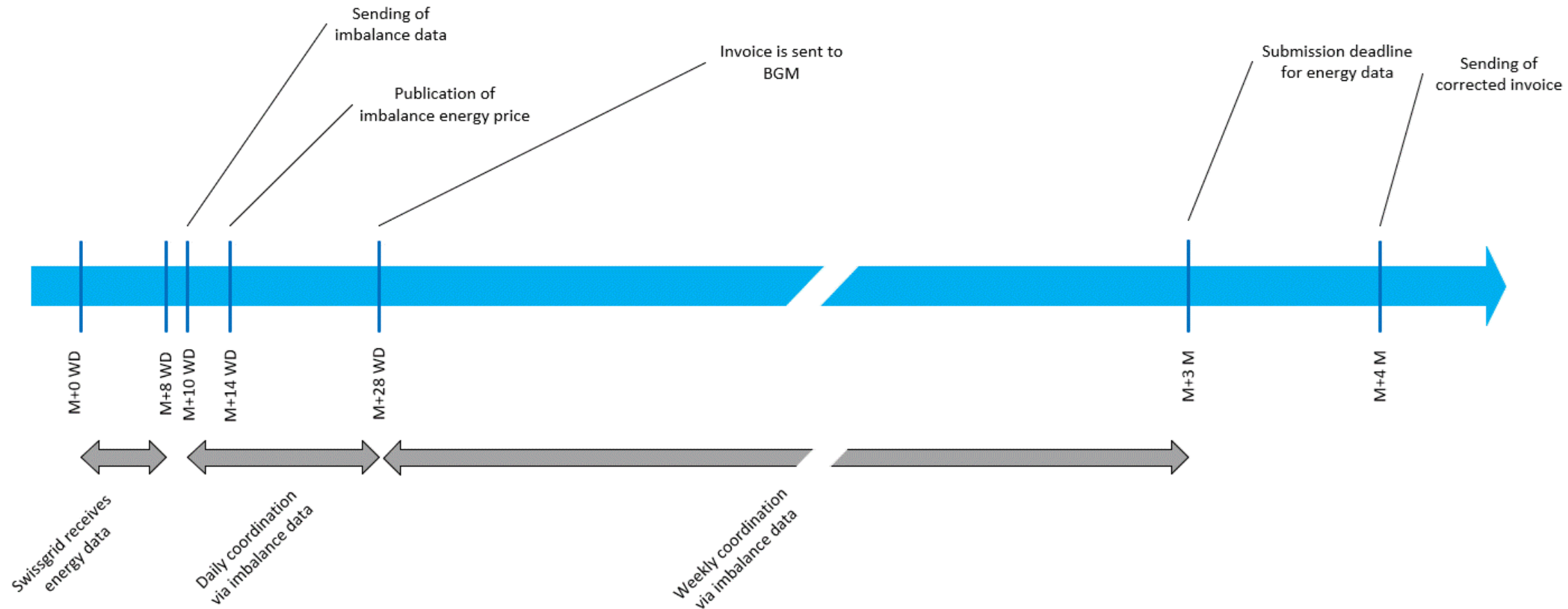
Marko Pranjic
Head of Energy Data & Settlement Team

Online, 1 June 2026

Settlement Period

Imbalance Settlement Timeline today:

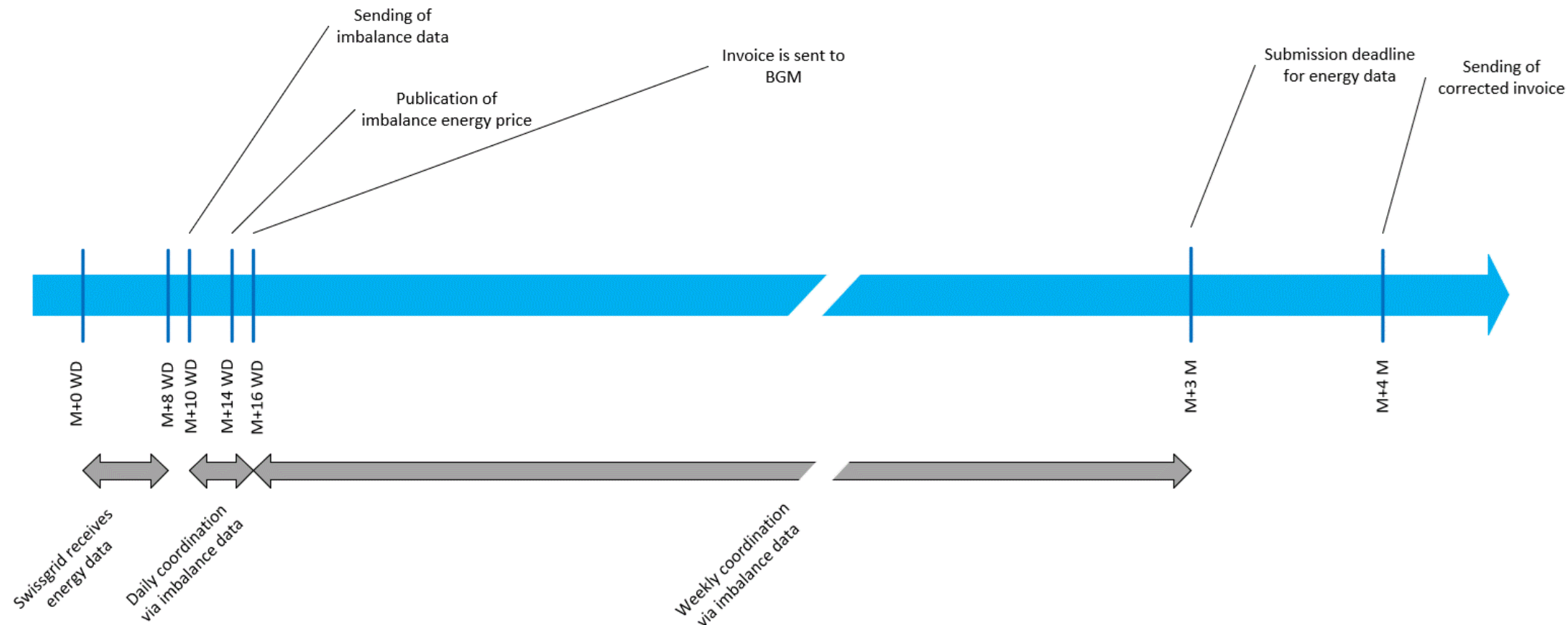
- Equal and non-discriminatory treatment of all balance responsible parties
- Final imbalance price publication: 14th working day after month-end
- Invoicing: 28th working day after month-end
- Payment: 10 days after invoicing (SEPA)

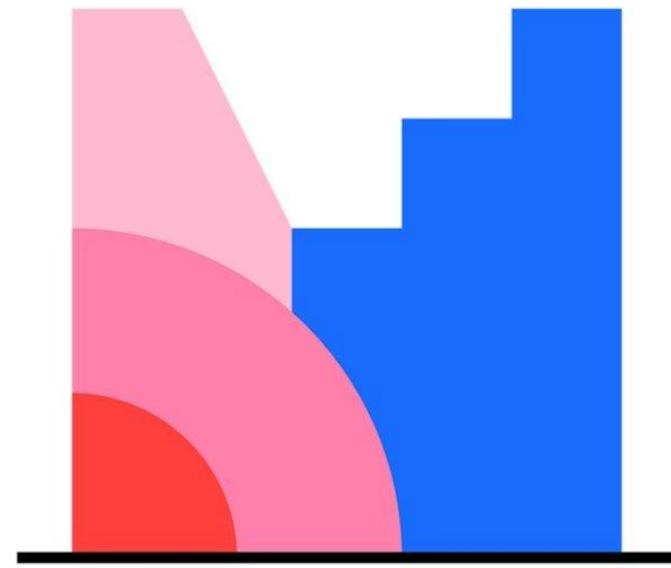


Settlement Period

Imbalance Settlement Timeline Option:

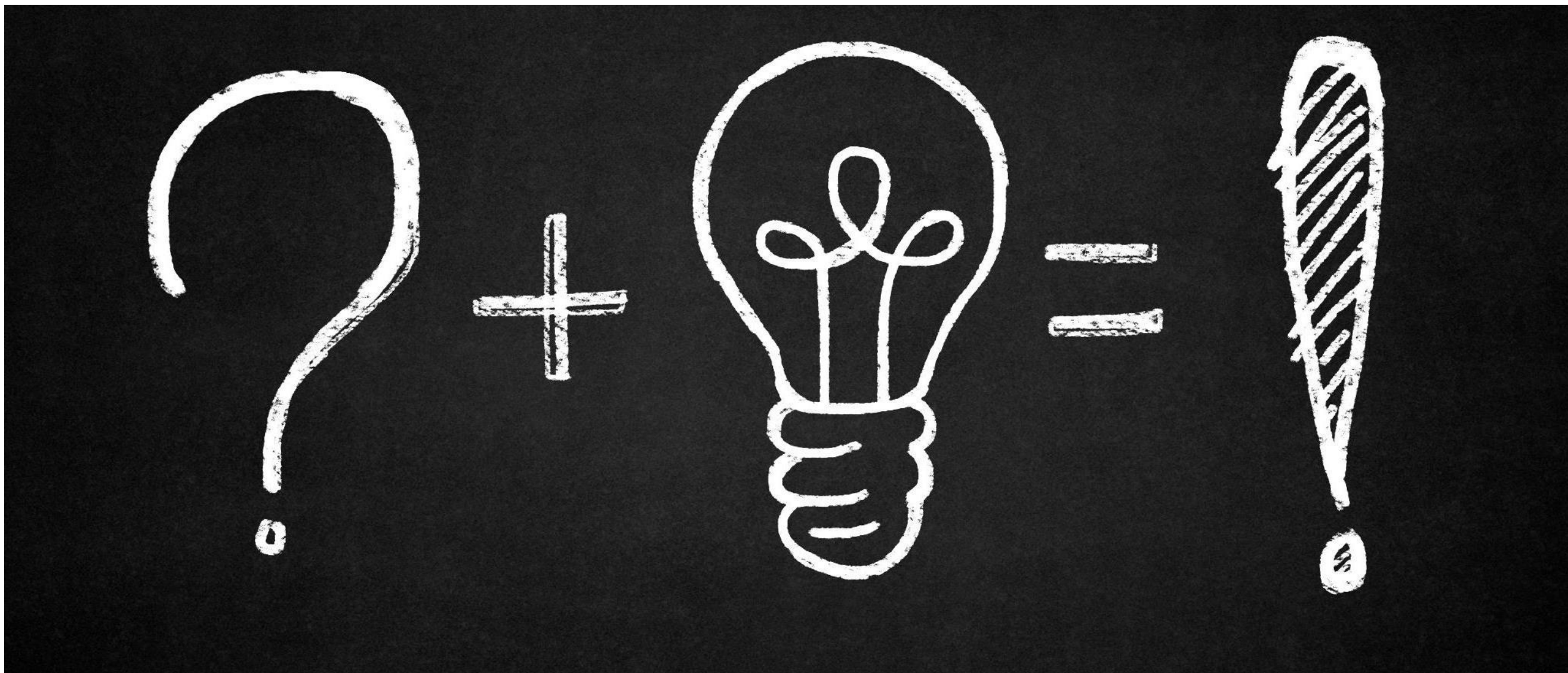
- Data quality insufficient before the 16th working day (Based on our analysis of the reported measurement data)
- Earlier invoicing, but not before the 16th working day after month-end?
- Ad hoc invoicing in case of a significant outstanding amount in favour of Swissgrid.
- Credit notes are issued only through the regular process!





Mentimeter

Questions?



Active Balancing Monitoring

Lukas Loser
Specialist Balance Group & Sched. Services

Online, 1 June 2026

Objective of Active Balancing Monitoring

Objective of Active Balancing Monitoring

- Identify best-performing participants
- Detect underperforming or risky behaviour early
- Ensures a transparent and non-discriminatory framework by applying consistent, objective criteria across all participants.
- Enables fair and evidence-based sanctioning of poor performance, strengthening accountability and trust in the process.
- Support overall goal of reducing system imbalance and balancing energy

Monitoring & Intervention Logic

- Continuous monitoring of all active balancing participants
- Focus on:
 - Persistent destabilizing behaviour
 - Potential “gaming” or speculative positioning
- If needed:
 - Direct engagement with balance groups to understand behaviour

Formula / Example

Performance Threshold

- 50% is our threshold
- Applied:
 - Monthly
 - 6 Months rolling
 - Volume-based metric
 - Time-based metric
- Go-live: **01.07.2026** everything before will not be included

$$S_v = \frac{V_{stab}}{V_{stab} + V_{destab}}; \quad S_t = \frac{15'_{stab}}{15'_{stab} + 15'_{destab}}$$

$$V = V_{stab} + V_{destab}$$

$$P = (S_t - 0.5) + (S_v - 0.5)$$

$$F_{monthly} = \frac{V}{1000} * P$$

$F_{monthly}$	Points
> 0.0	-1
> -0.5	1
> -1.0	2
> -1.5	3
> -2.0	4
> -3.0	5
> -5.0	6
> -8.0	8
<= -8.0	10

Month	V [MWh]	S_t	S_v	$F_{monthly}$	Points
January	17'374	0.51	0.53	0.67	-1
February	7'839	0.56	0.56	0.95	-1
March	5'379	0.62	0.61	1.24	-1
April	10'473	0.49	0.49	-0.03	1
May	4'232	0.50	0.49	-0.03	1
Σ				2.79	-1

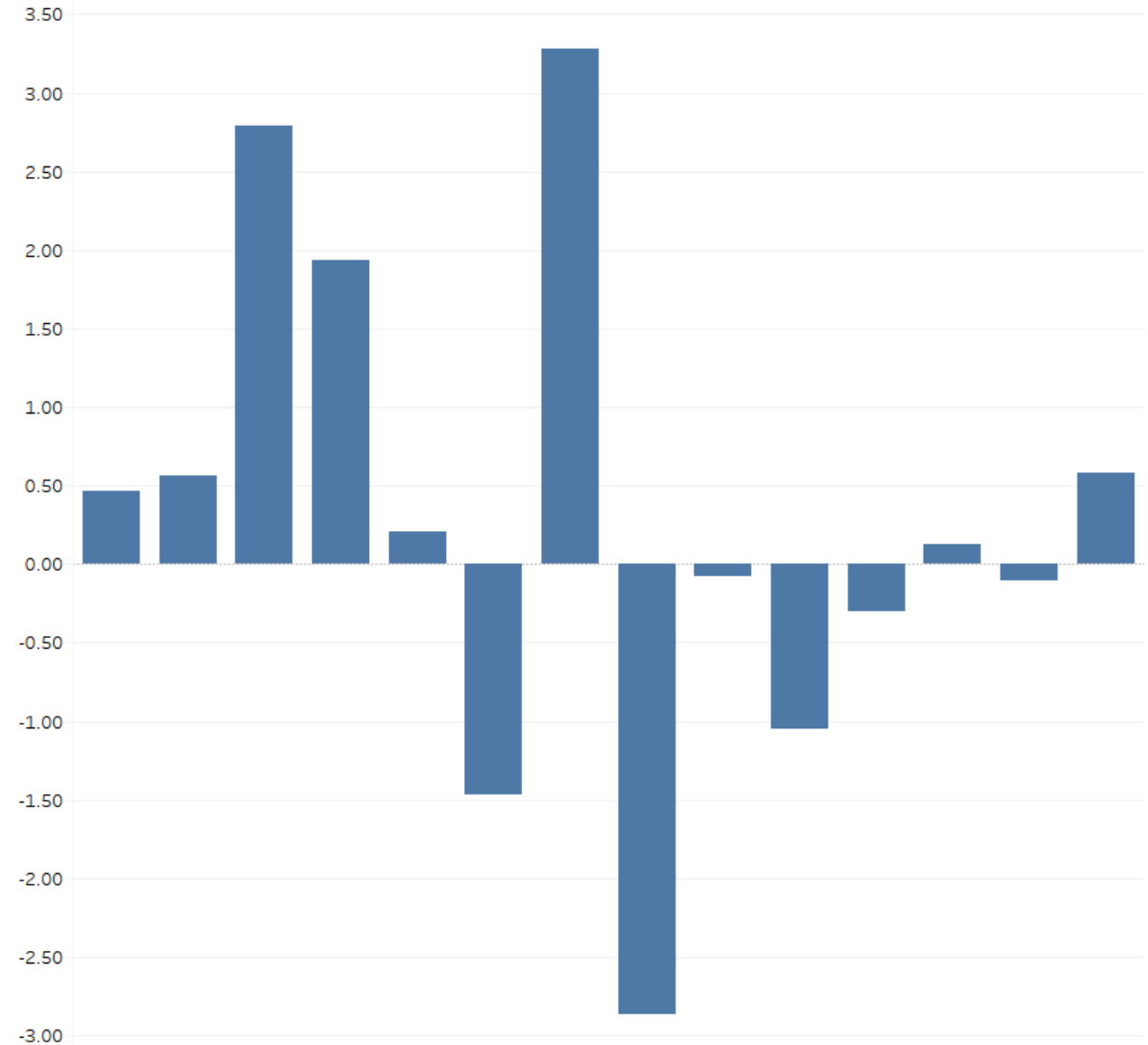
Formula / Example

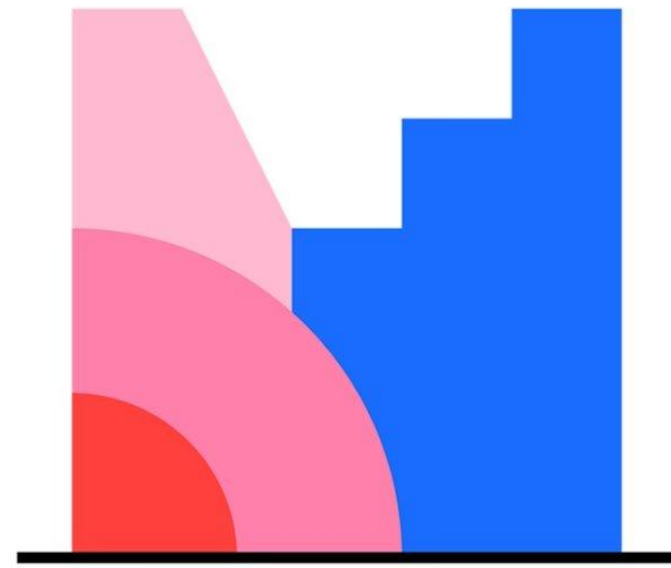
Benchmarking / Monitoring

- Sorted by V (volume) – X-axis
- Y-axis shows the performance (F_{monthly})
- Are you interested to receive a regular anonymous benchmark like the one on the right side.
- The following consequences could be applied:
 - written statement
 - meeting with us
 - exclusion from active balancing (3 - 12 months)

Financial Monitoring

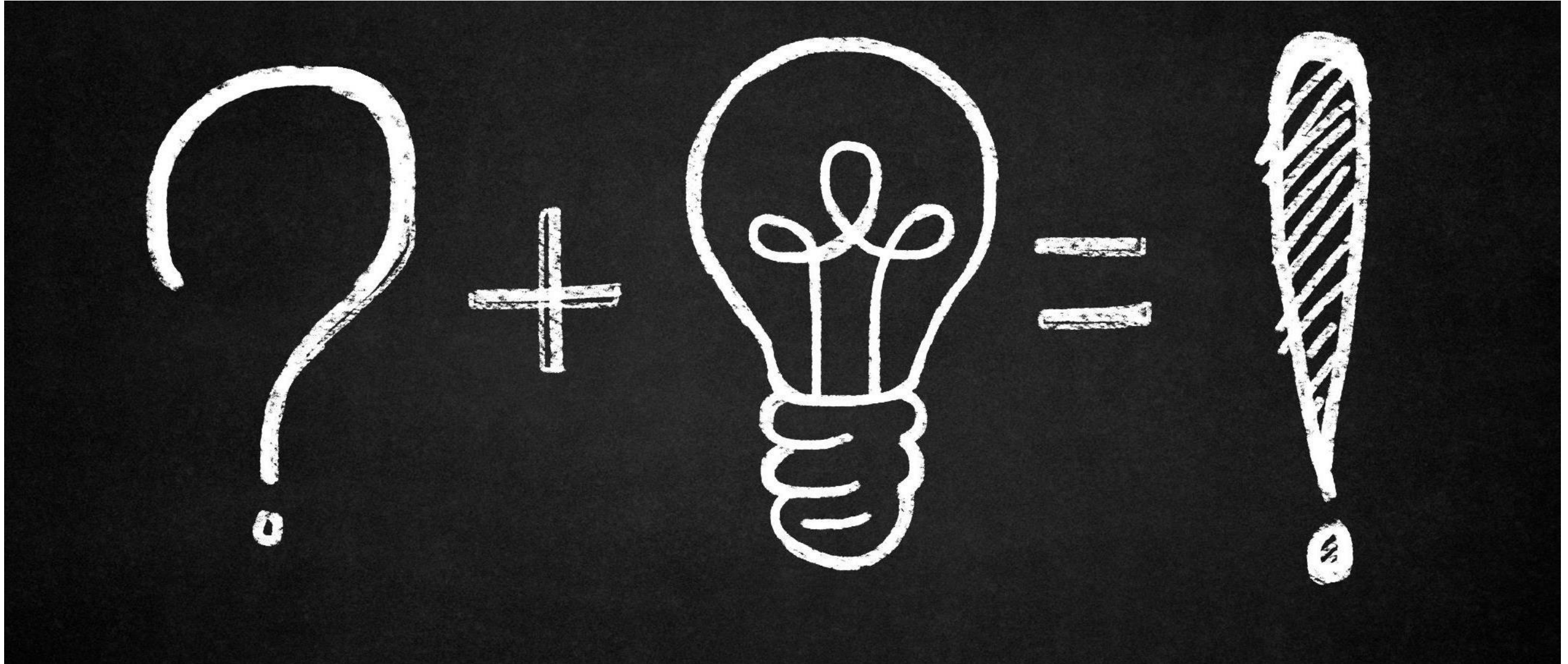
- Interim settlement is triggered if the financial open position in the current month exceeds 50% of the bank guarantee => only if the balance group owes Swissgrid (risk mitigation).





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Questions?



Ramping for Trading Balance Groups

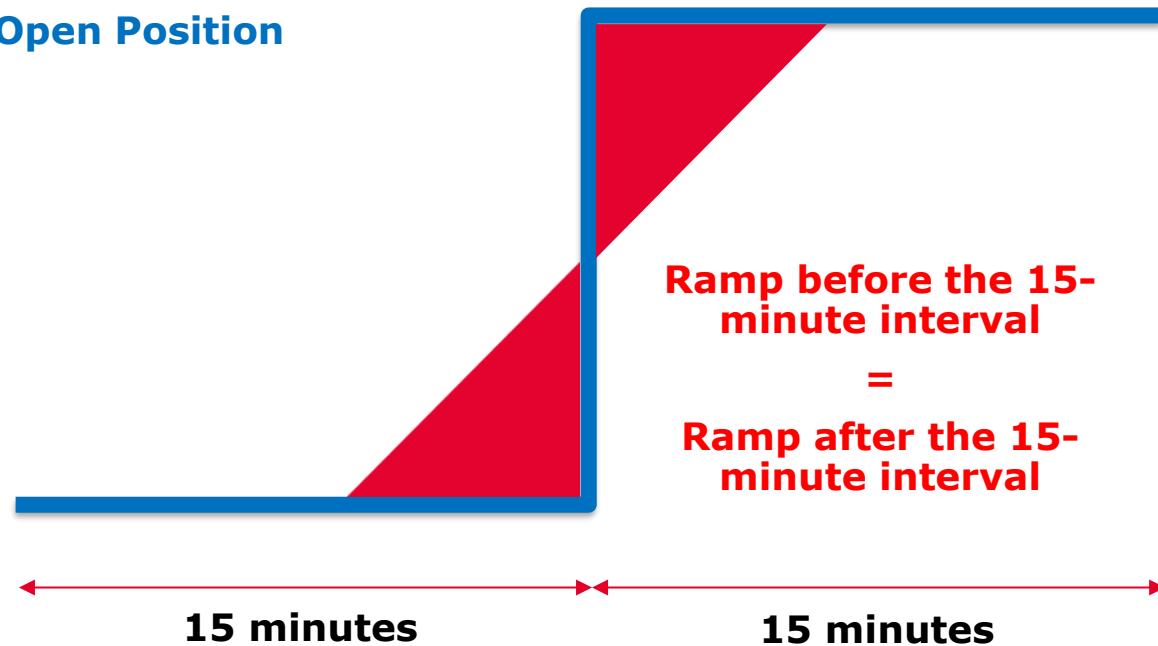
Lukas Loser
Specialist Balance Group & Sched. Services

Online, 1 June 2026

Ramp Calculation for Imbalance

Initial Situation

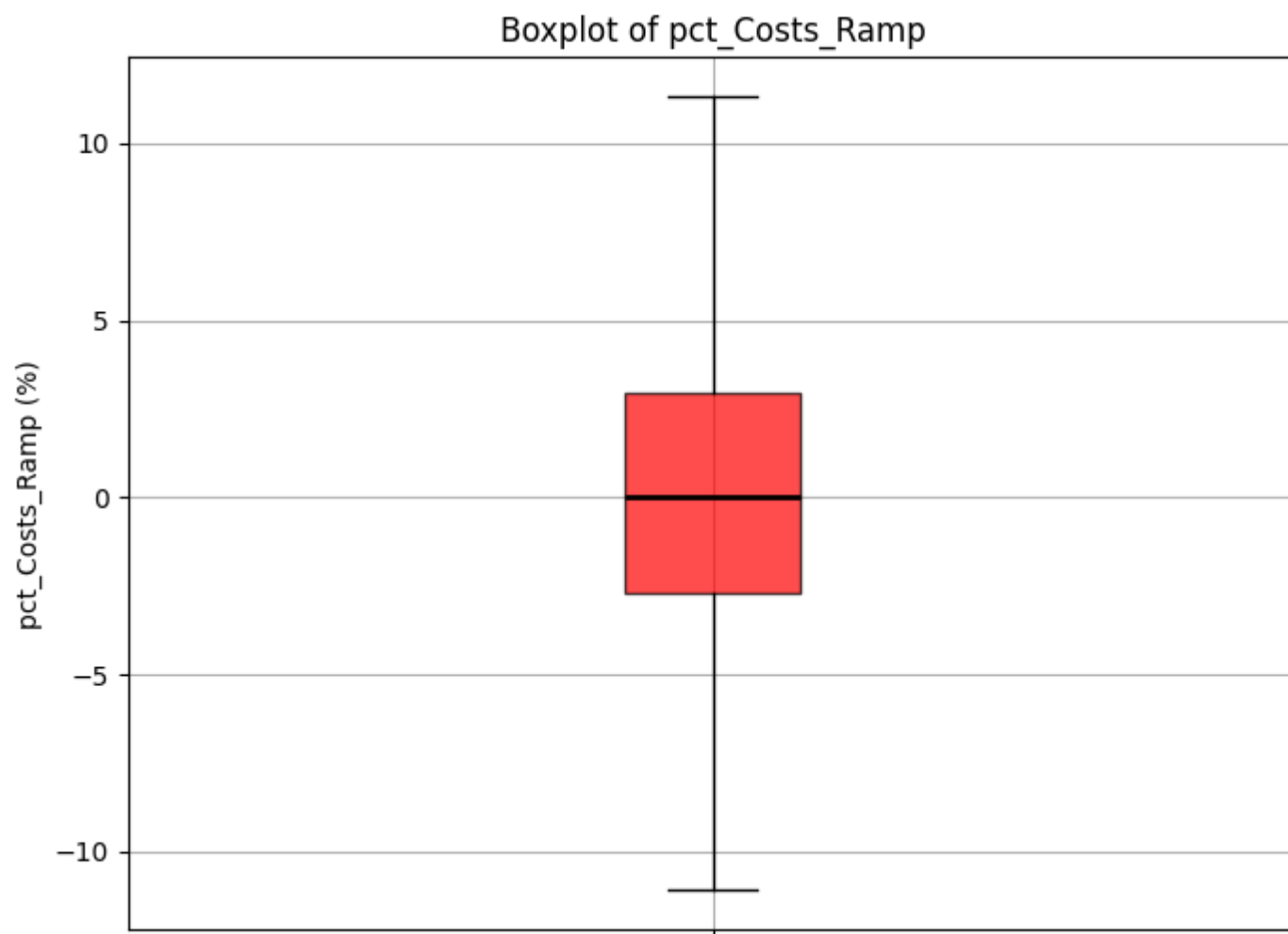
Open Position



- 10-minute ramp when the schedule balance changes
- As linear as possible: from 5 minutes before to 5 minutes after the schedule interval
- Balance time series \neq imbalance settlement series
- Secondary control and pooling schedules are not ramped
- Schedules are created without ramping
- INS does not include ramping
- Schedules of trading balance groups are not ramped

Analysis of ramping costs for trading balance groups

- In the current year, **additional costs of around 0.5%** would have arisen for all trading balance groups combined.
- Some participants would have made slight profits, while others would have incurred losses.



Percentile	Ramping costs as a share of total costs
10th	-8.8%
25th	-2.7 %
75th	2.9 %
90th	9.9 %

Negative values: additional costs

Positive values: additional revenues

Next Steps

- No short-term adjustments for trading balance groups
 - The analysis currently shows only a minor effect of adjustments on the overall system

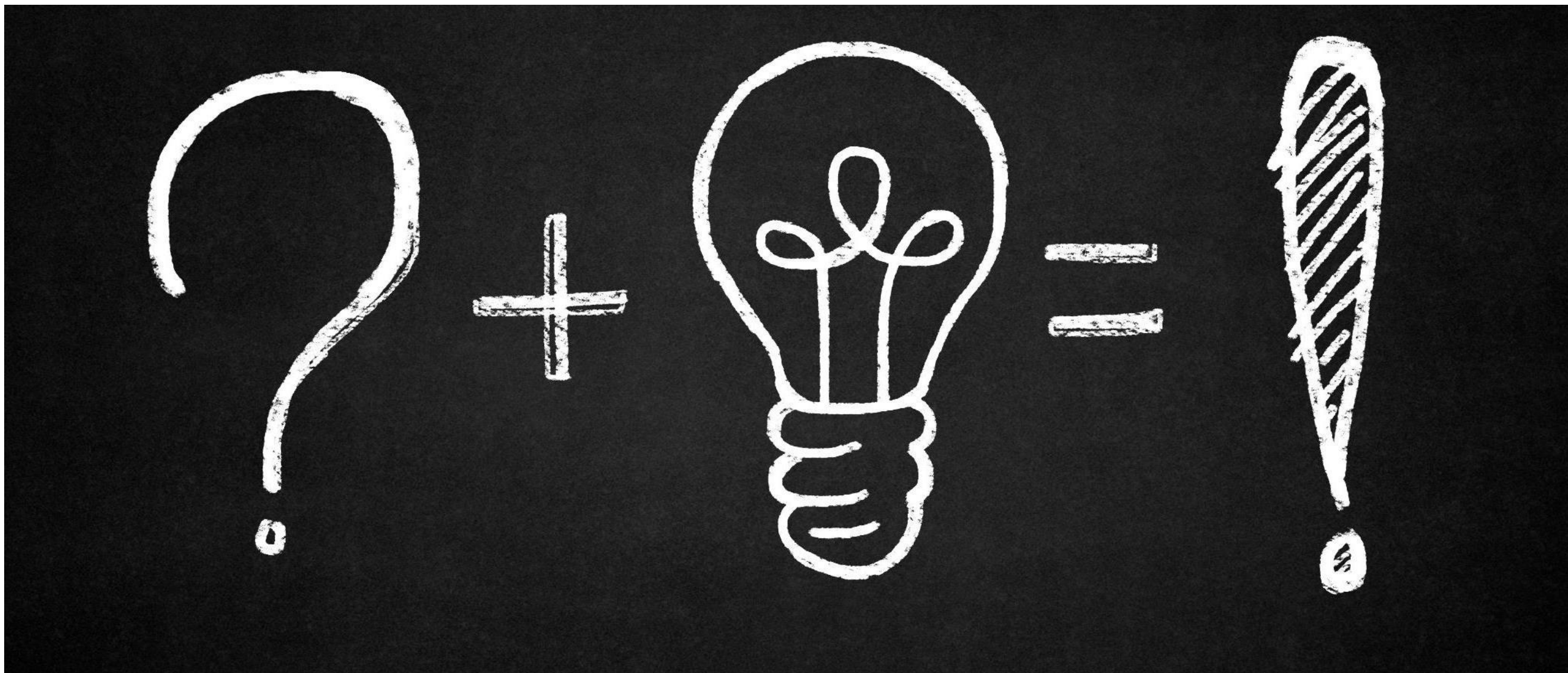
Approach

- Re-evaluation of the current ramping logic
 - Assessment of whether existing approaches are still fit for purpose and non-discriminatory
- Consideration of future developments in the energy system
 - In particular: strong expansion of PV, batteries and new flexibilities
- Close coordination with European TSOs
 - Joint development and harmonisation of ramping approaches

Target Vision

- Future-proof ramping calculation
- Robust against new technologies and market behaviour
- Consistent, transparent and stable in the long term

Questions?



Data Publication

Lukas Loser
Specialist Balance Group & Sched. Services

Online, 1 June 2026

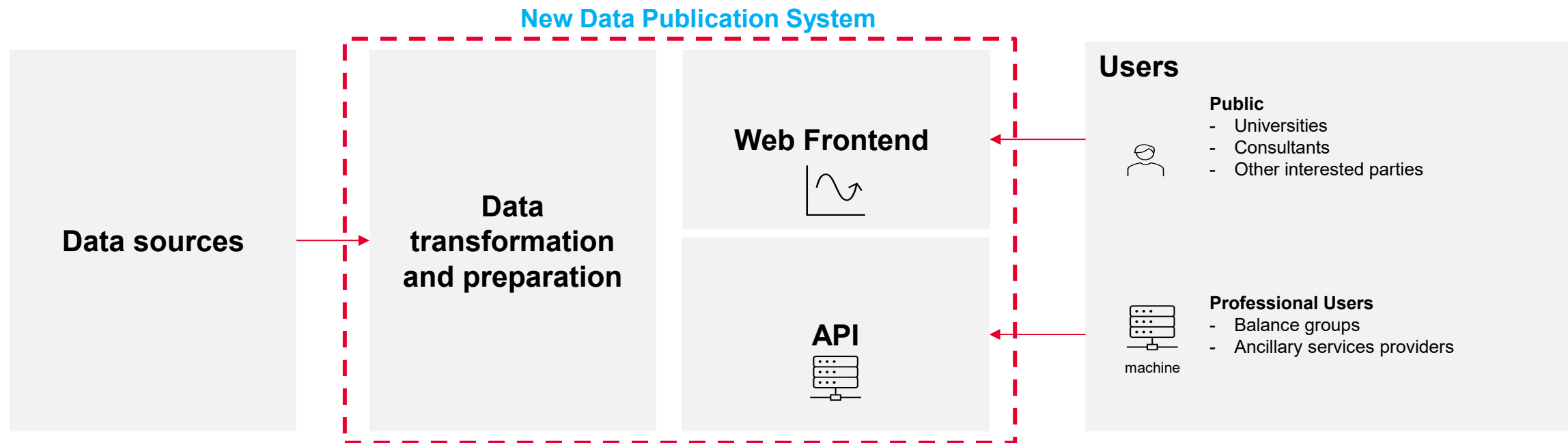
Initial Situation

- Feedback from the Balance Group Meeting 2025 has been taken into account
- Surveys from balance groups / ancillary services have been evaluated
- Project started in mid-April
- A high-level roadmap has been created
- API is a priority
- Visualization is a secondary priority

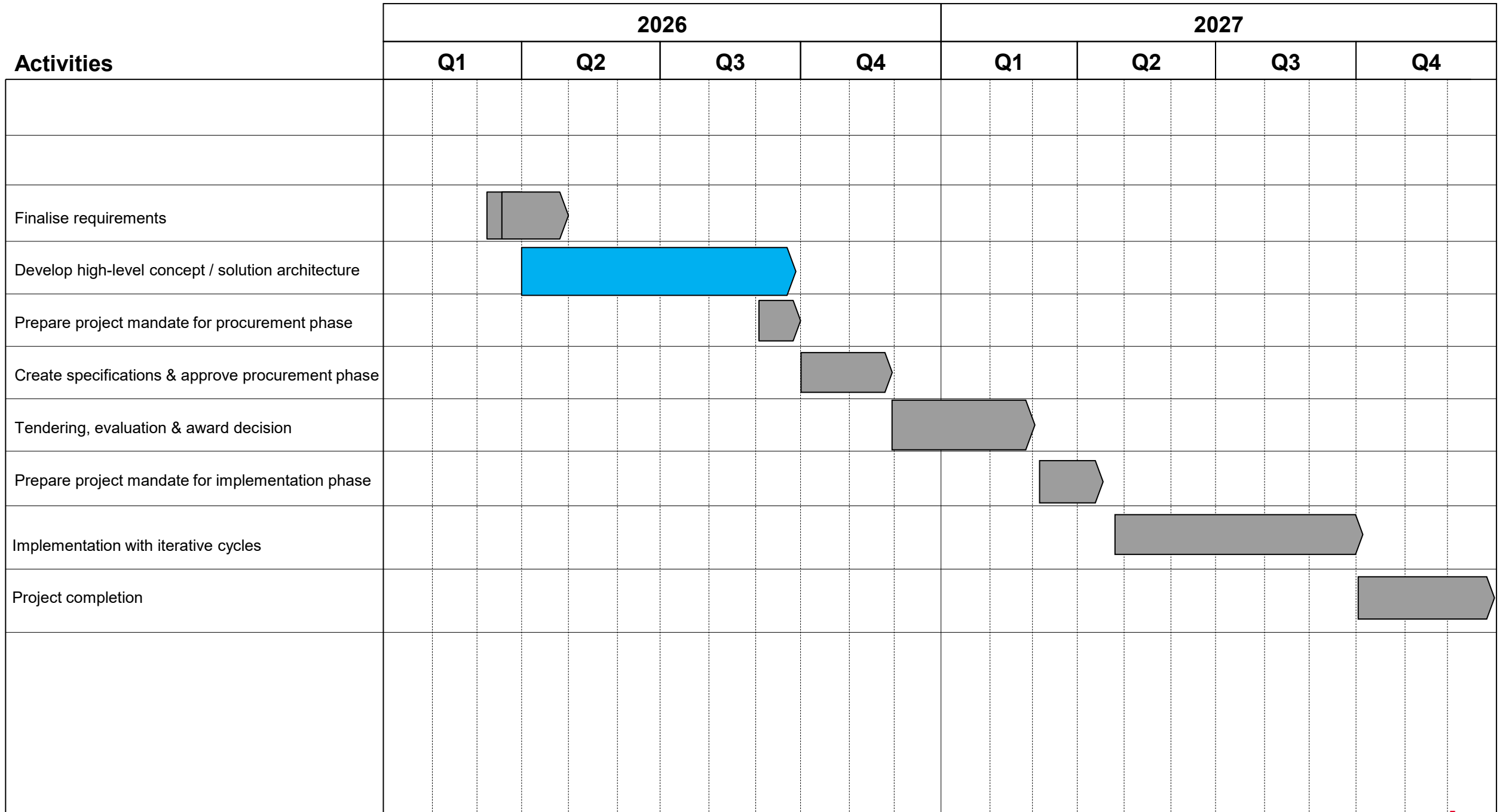
Our Ideas

Our initial ideas for changing the publication of market data on our website

- New system for data publication, including web front-end, API, and modules for data transfer and preparation
- Web front-end for data visualisation and manual downloads
- Highly available API for accessing data
- Reduction of the time between data creation and publication, and improvement of data quality



High-Level Roadmap



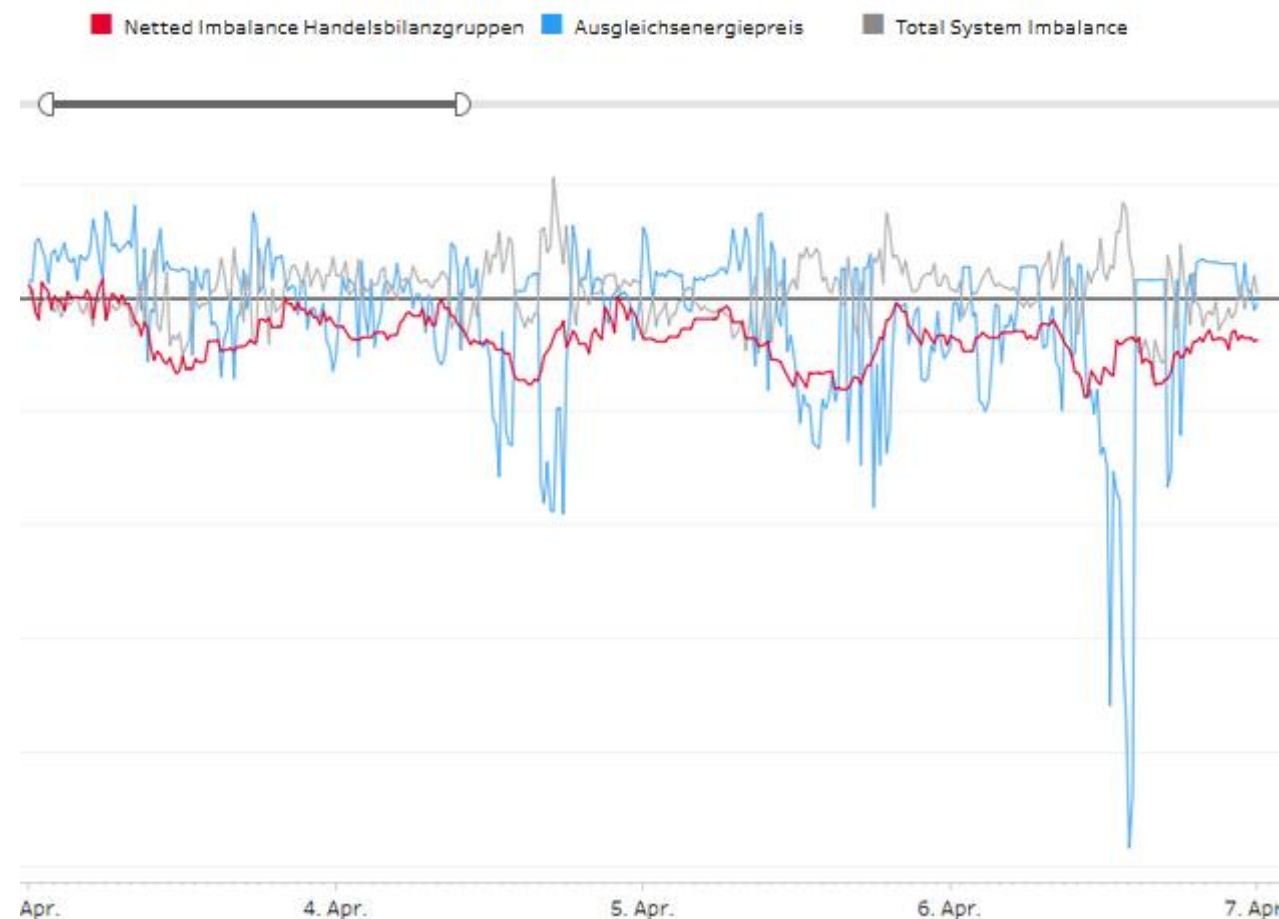
New Publications

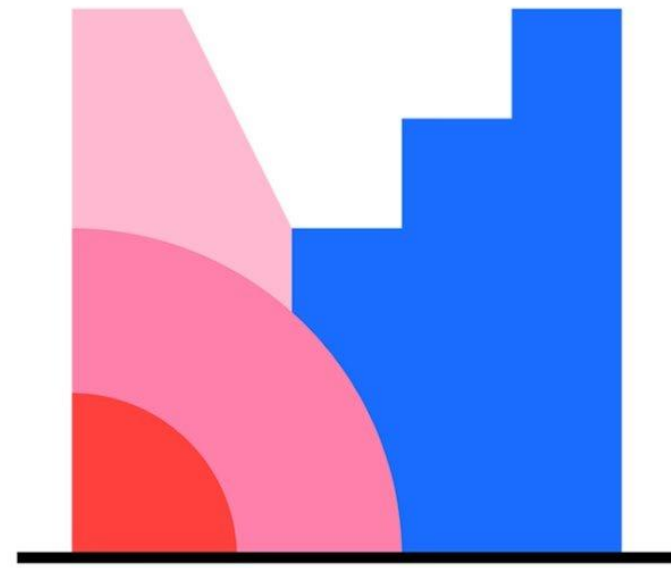
Open Position of Trading Balance Groups

- Corresponds to the aggregated sum of all open positions of trading balance groups
- Based on submitted schedules
- Regular publication of aggregated open positions – 15-minute resolution
- Increased transparency for market participants
- Note the dynamic nature of the values
- Schedules can be adjusted up to shortly before and even after real time

Covered aFRR Demand – Second-Level Resolution

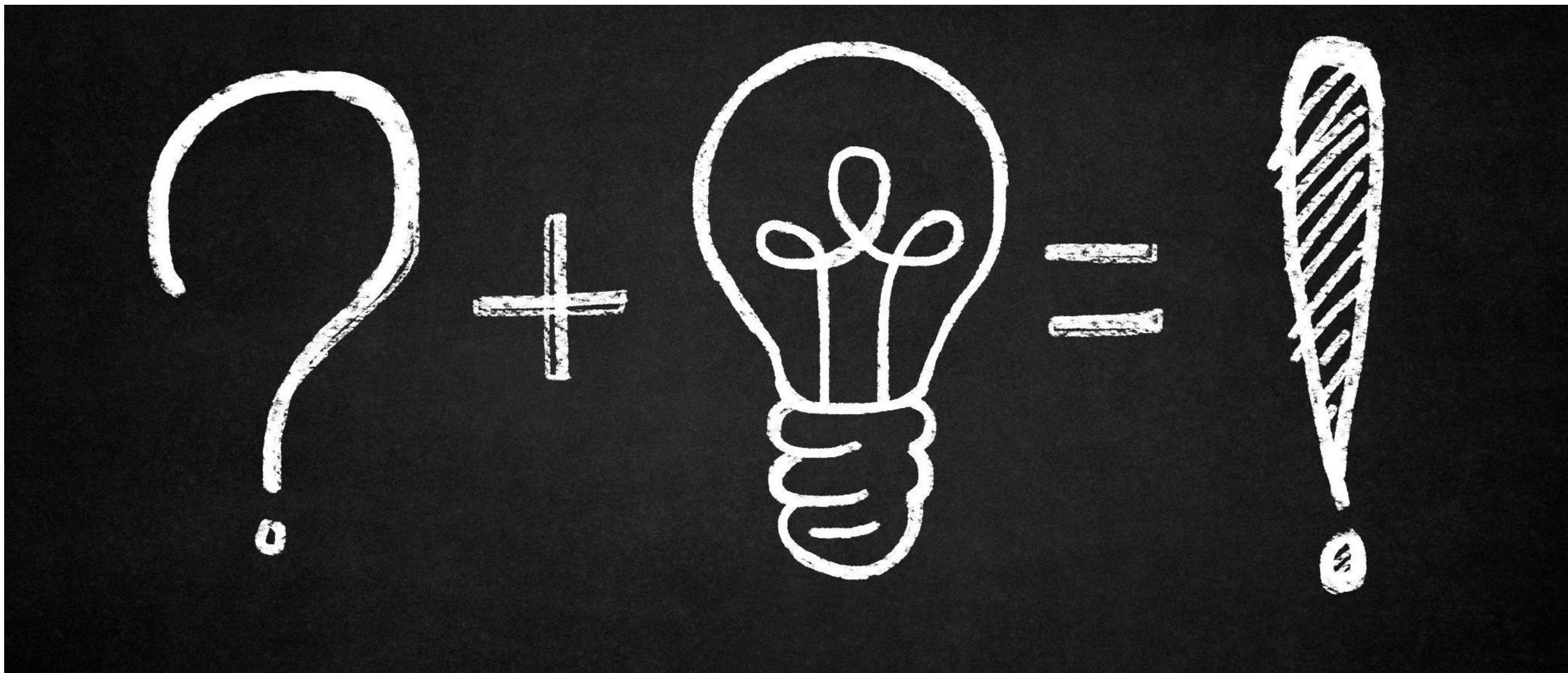
- The file will be updated daily
- No long-term history (8 days rolling)





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Questions?



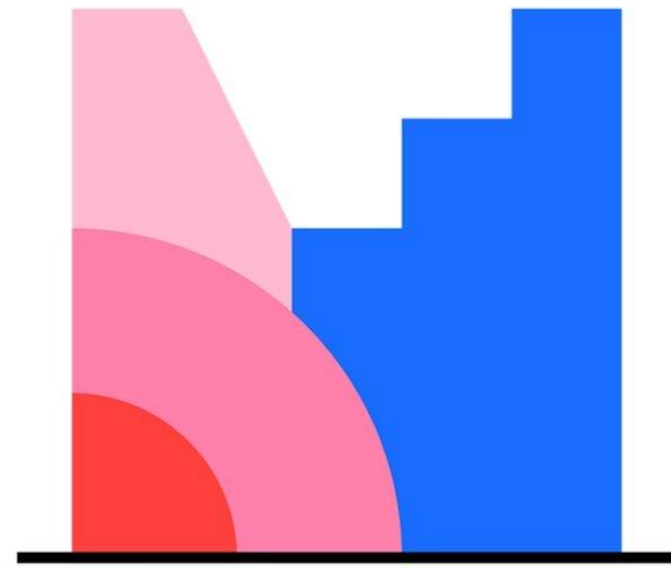
Feedback session

**Balance group and active
balancing topics**

balancegroup@swissgrid.ch

Active Balancing Committee Sign-
Up Form





Mentimeter

See you soon at...

Balance Group Partner Meeting 2026

which will take place on 10. November 2026

“save the date” will be sent soon

Thank you for your interest

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Switzerland



Thank you for your interest

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