



# 11<sup>th</sup> Working Group Consumer Centric Market Design

Elia – 21<sup>st</sup> May 2024

# Agenda

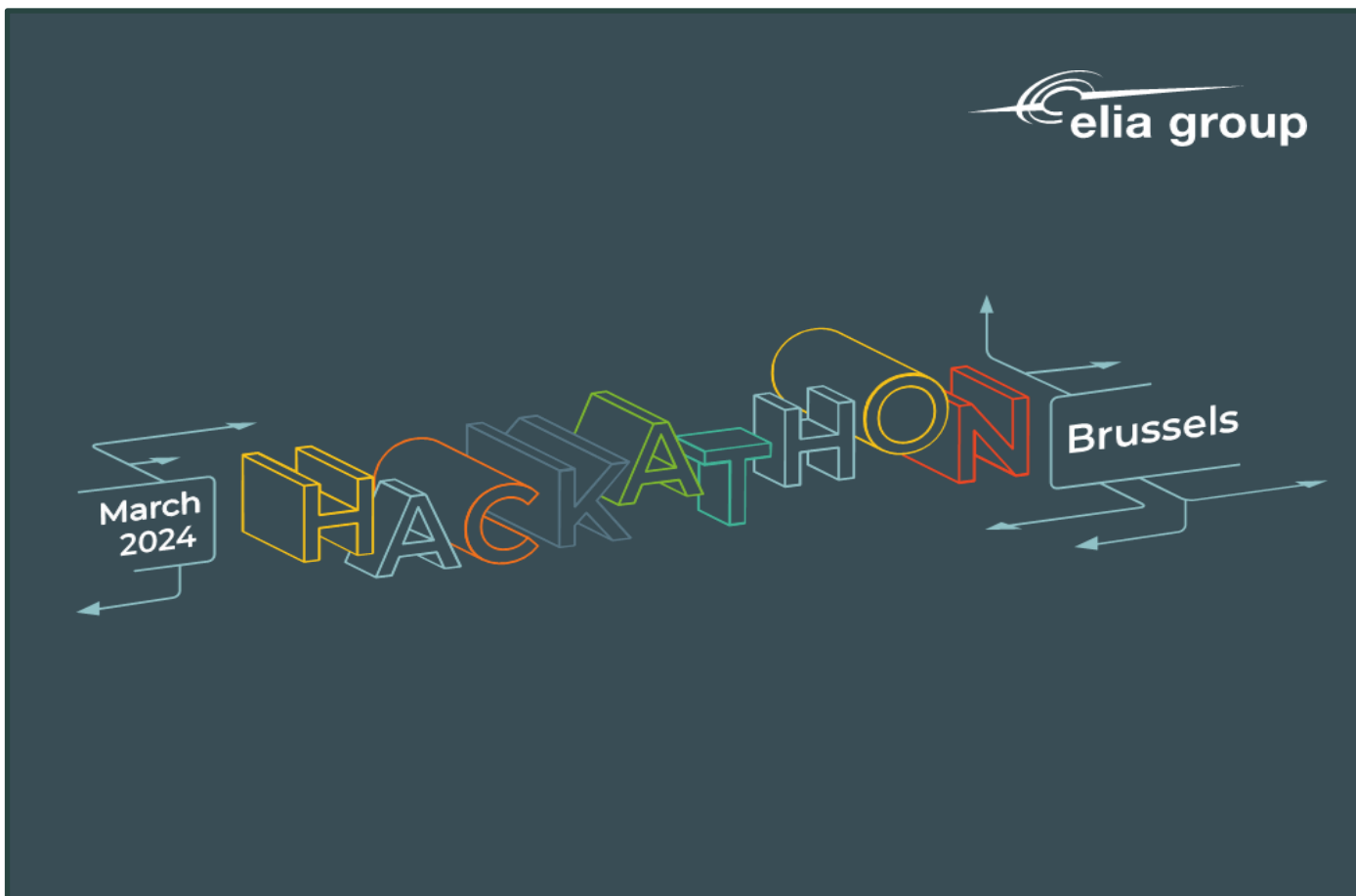
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- **Elia Group Hackathon 2024 - debriefing**
- **Real-Time Price – parallel run**
- **AOB**



# Elia Group Hackathon 2024 debriefing

# Elia Group Hackathon 2024



**3**  
days

**101**  
participants

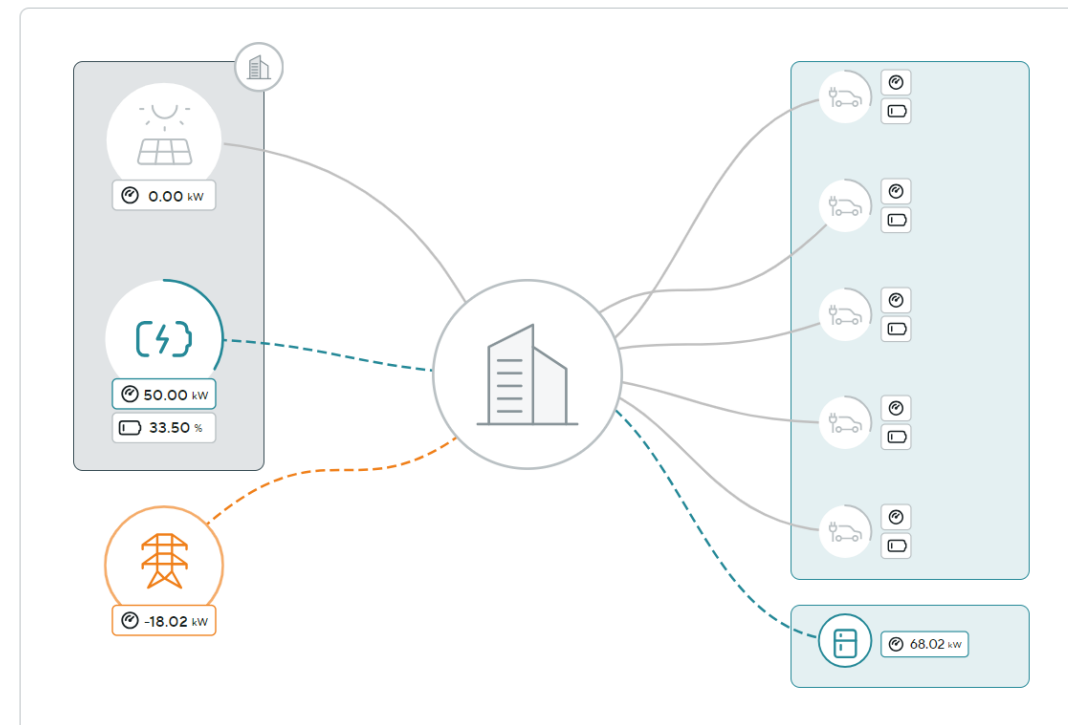
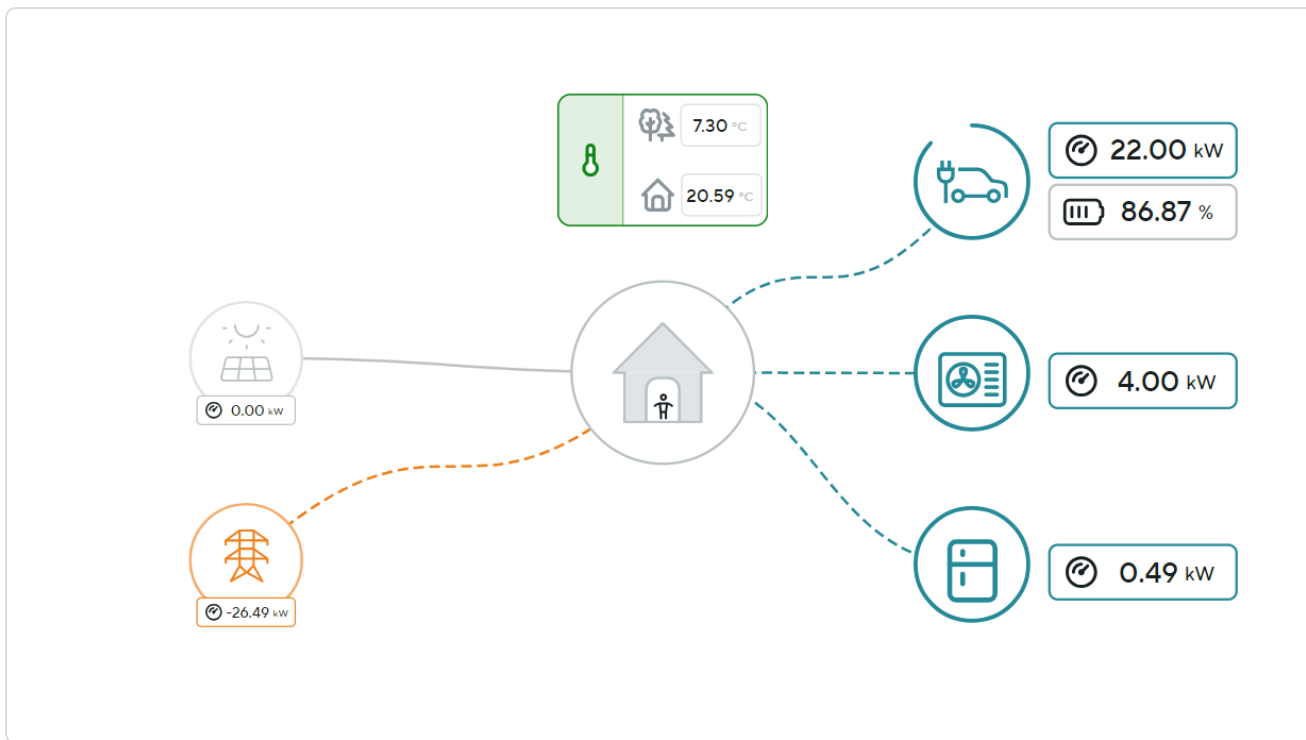
**19**  
teams

**4.043.232**  
API calls

# Elia Group Hackathon 2024 - Challenge

We gave them a **real-time price** and **virtual assets**...

... they needed to build an **optimization** and a **business model** around it !



# Elia Group Hackathon 2024 - Results



18/02/2024 00:00 - 22/02/2024 00:00

Hackathon Time  
Saturday 24/02/2024 14:57:30

## Household

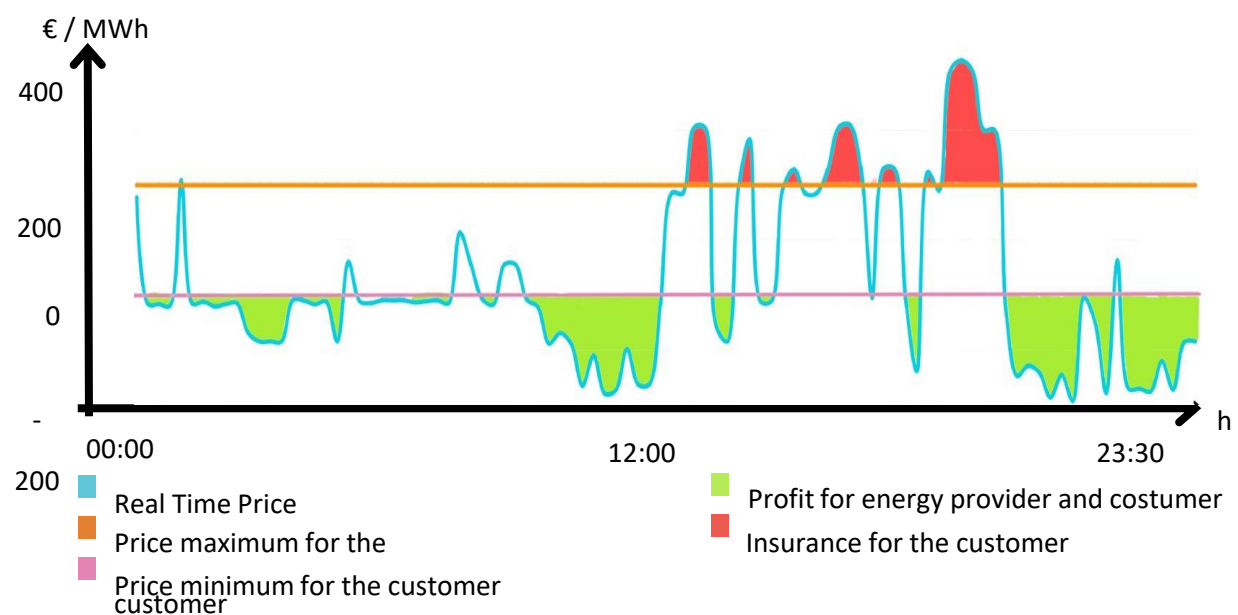
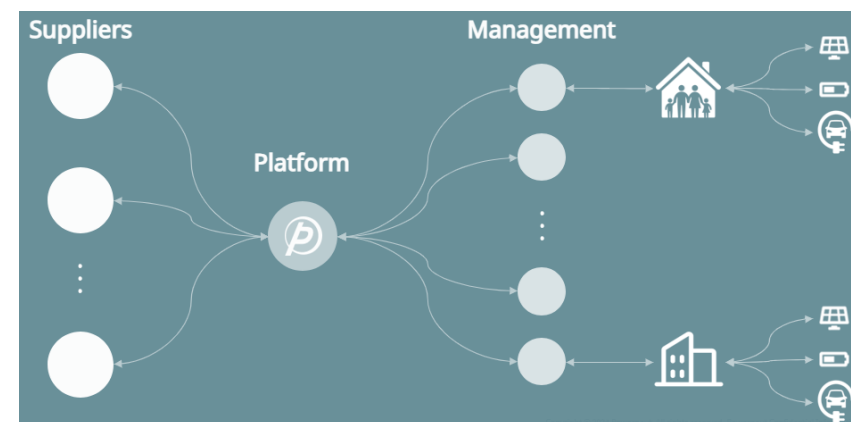
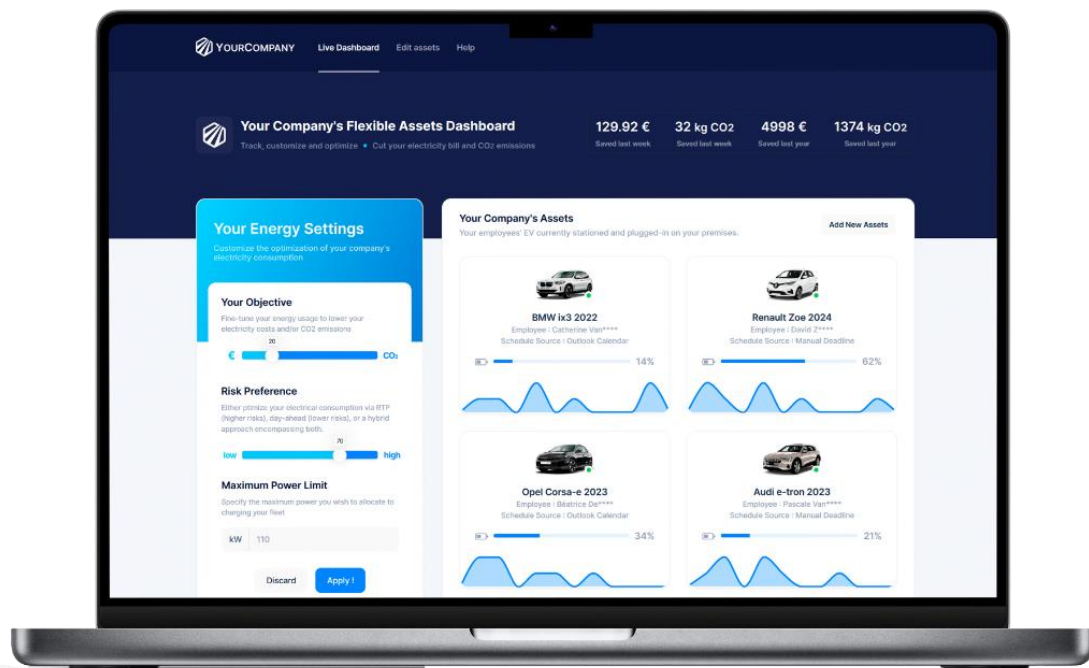
1	Tether & Retviews 👤 0 🚗 0	-10,75 €	6	Watt Wizards 👤 0 🚗 0	-3,59 €
2	Voltex Energy 👤 0 🚗 0	-10,11 €	7	Rescoop1 👤 410 🚗 0	23,92 €
3	PRIDEx 👤 0 🚗 0	-8,06 €	8	50Hertz & Amaris 👤 839 🚗 0	25,62 €
4	flexYourLoad 👤 0 🚗 0	-6,80 €	Fixed price 👤 842 🚗 0		25,62 €
5	Peak Performers 👤 0 🚗 0	-5,32 €			

## Office


1	Elexide 🚗 0	236,42 €	Fixed price 🚗 0		570,21 €
2	Powernauters 🚗 0	264,37 €	4	The Resistors 🚗 0	570,24 €
3	In The Pocket 🚗 0	299,56 €			



# Elia Group Hackathon 2024 - Results



# Elia Group Hackathon 2024 - traXes




Get Started

**Services**

Applications & APIs

Elodie Ciciriello

## Services



### Hackathon Time

During the hackathon, "real world" time will be distorted. Get access to the hackathon time with this service. On top, this service will retrieve the required information of your team.


For business

For Developers

Go to Introduction

Go to Technical documentation

Go to API documentation



### Asset Data & Steering

Steer assets and get asset data with this service.


For business

For Developers

Go to Introduction

Go to Technical documentation

Go to API documentation



### Real-Time price

Get Real-Time Prices and Real-Time Prices forecasts/estimations with this service.

For business

For Developers

Go to Introduction

Go to Technical documentation

Go to API documentation

Feedback



# Elia Group Hackathon 2024 – traXes usage and performance



## Api monitoring

### Overview

Last 30 days

Total API calls

**4043232**

Average response time

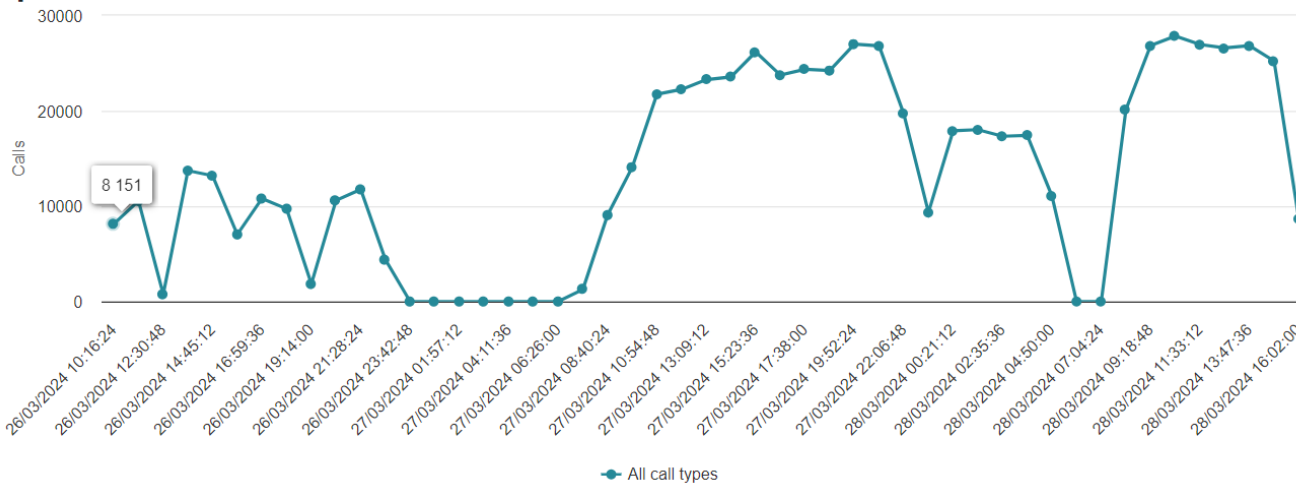
**6 ms**

Max 19113 ms

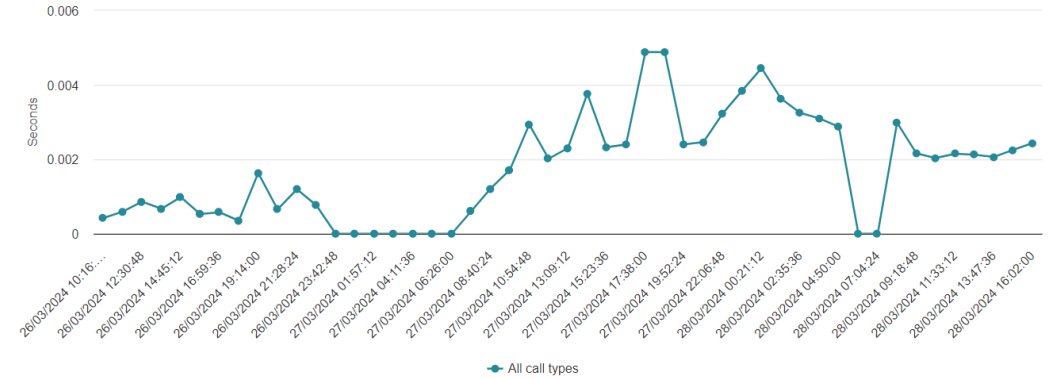
Total error requests

**136812**

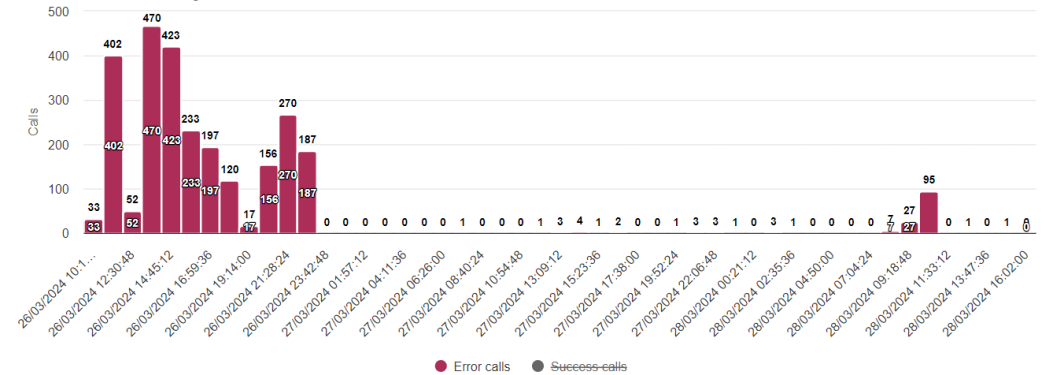
## Api calls



## Response time



## Status of the request



**70-80 calls per second**  
**20-25% CPU Load**

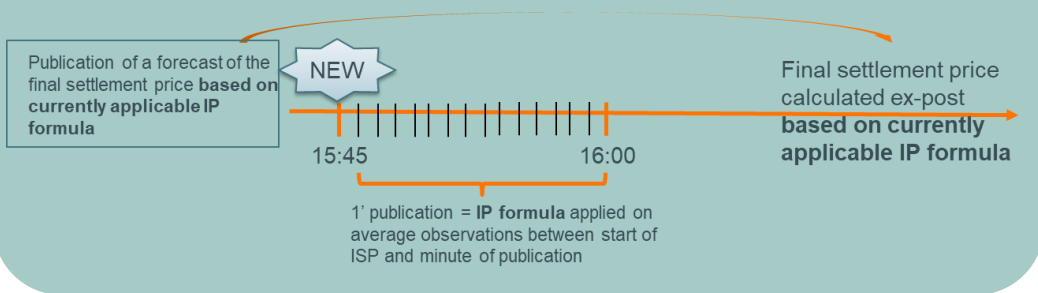




## Real-Time Price parallel run

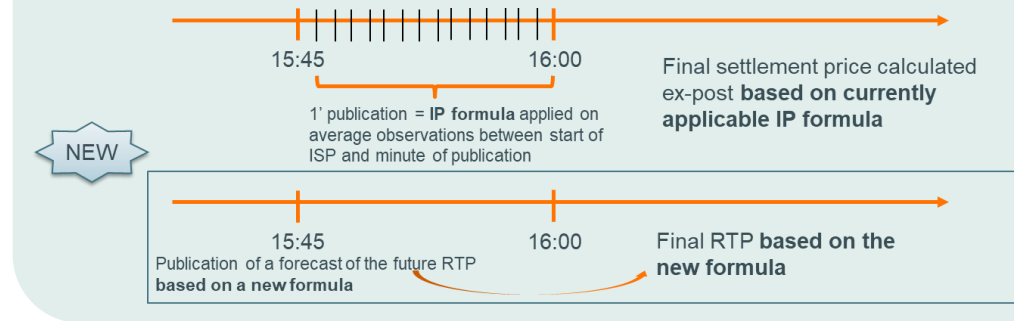
# RTP parallel run : a 3-step approach from theory to practice

## Imbalance price forecast\* :

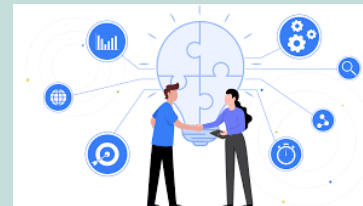


\* Subject to quality check

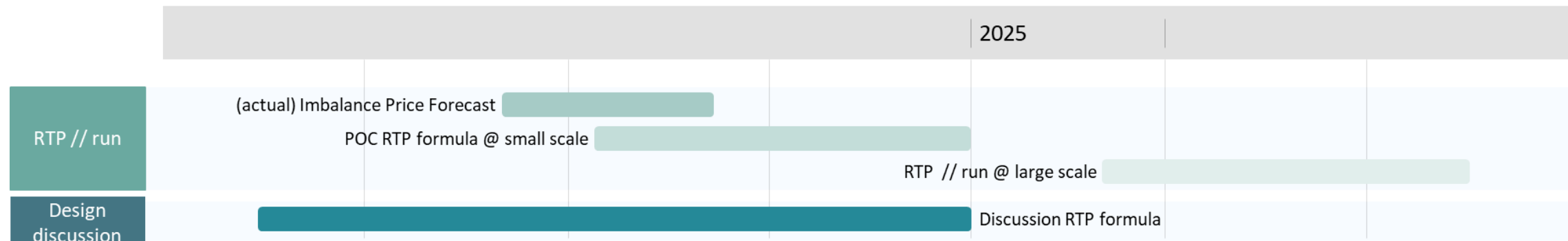
## RTP // run @ large scale:



## POC RTP formula @ small scale:



Today



# Imbalance price forecast

## ➤ What?

- A **two-months** test;
- During which **a forecast of the final (settlement) imbalance price will be published via traXes** at the beginning of the quarter-hour

Practical information will be provided beforehand so that the market parties willing to use this additional information can prepare their applications and processes before the beginning of the test

## ➤ When?

First data to be published in August 2024 (TBC)





**AOB**

## Transfer of Energy: status on distribution

Study on need for correction mechanism for DSO end point during balancing activation concluded by Synergrid

Results have been presented during PDG Flexibility organized by Synergrid on 26/4

Study will be published in next days on Synergrid website

Next steps:

- Feedback (no formal consultation) on VITO study is welcomed
- Work within Synergrid on proposal of final design
- Present proposal to stakeholders (market + regulators) in Q3/Q4 2024

