

# TARGET-X

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## TRIAL PLATFORM FOR 5G EVOLUTION CROSS-INDUSTRY ON LARGE SCALE

February 15<sup>th</sup>, 2023

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Janina Knußmann

TARGET-X Project management



Co-funded by  
the European Union

**6G SNS**

# TRIAL PLATFORM FOR 5G EVOLUTION – CROSS-INDUSTRY ON LARGE SCALE TARGET-X

## Key facts:

Call: »SNS Large Scale Trials and Pilots (LST&Ps) with Verticals« (6GSNS Stream D)

Project runtime: 1.1.2023 – 30.06.2025

Project costs: €14,509,491.25

Requested EU contribution: €13,162,555.38

FSTP funding: €6,000,000.00

## Our Objective:

Accelerating the digital transformation of key verticals

- energy,
- construction,
- automotive, and
- manufacturing

using large-scale trials in multiple testbeds,  
evaluating 5G/6G technologies such as

- real-time communication,
- localization,
- self-description,
- digital twinning, and
- sensor-network data fusion

methodologically with KPIs and KVIs.

# Partner overview

Coordinator: Fraunhofer IPT

Technology: Ericsson Germany, Ericsson Turkey, Neutron, Fivecomm, Qualcomm

Research: Fraunhofer IPT, RWTH-ACS, RWTH-WZL, RWTH-IP, I2CAT

Verticals:

Energy	Manufacturing	Automotive	Construction
<b>RWTH-ACS</b> <i>Automation of Complex Power Systems</i>	<b>Marposs Spa</b> <b>Marposs Monitoring Solutions</b> <b>Mitsubishi Electric Europe</b>  <b>RWTH –WZL</b> <i>Laboratory for Machine Tools and Production Engineering</i> <b>Fraunhofer IPT</b>	<b>IDIADA Automotive Technology</b>  <b>I2CAT</b>	<b>Center Construction Robotics</b>  <b>RWTH-IP</b> <i>Individualized Production</i>

Financial Support for Third Parties: FundingBox Accelerator, FundingBox Communities

# Our Testbeds



5G for energy monitoring



5G for mobile robotics



5G for cloud native production



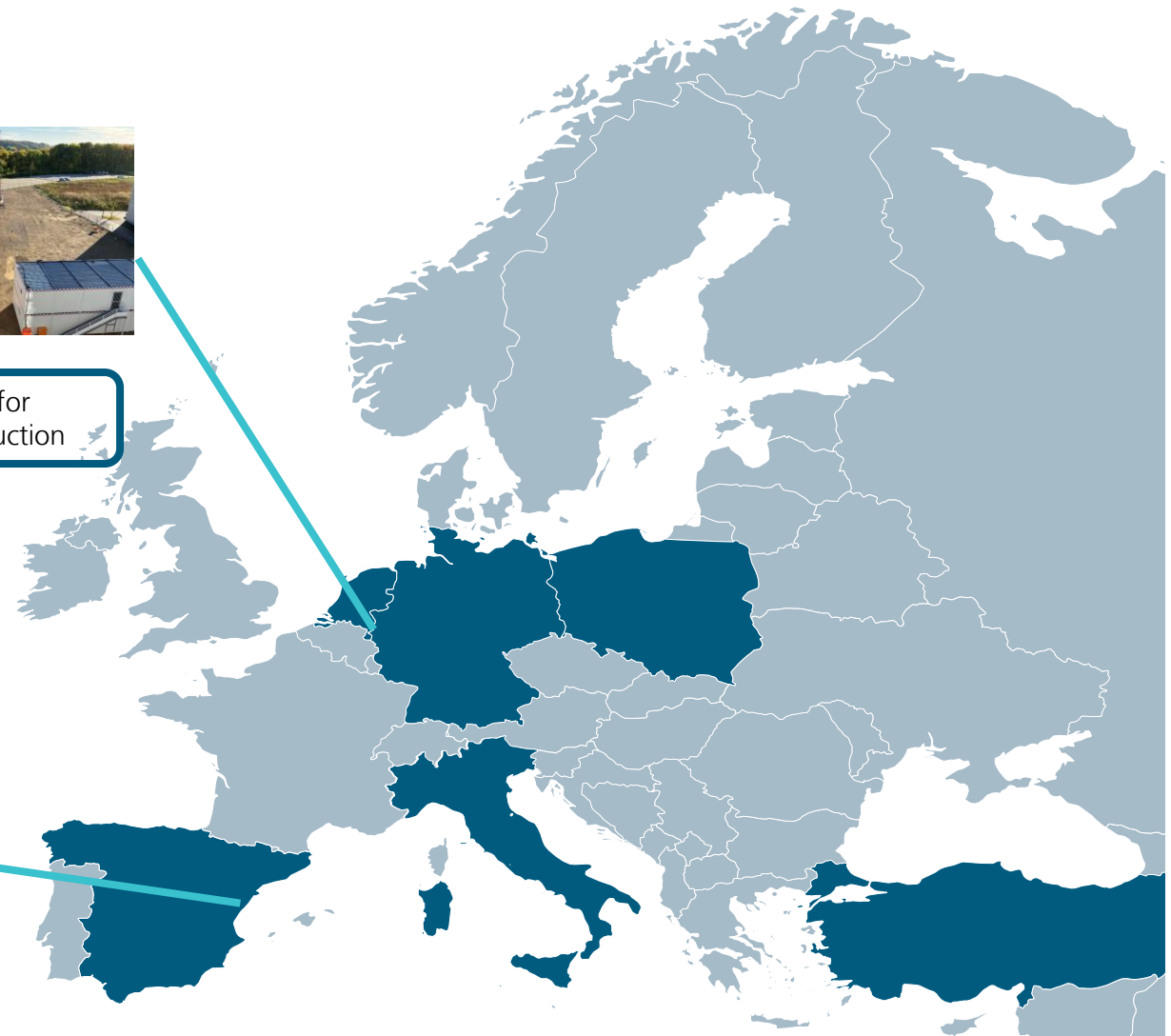
5G for construction

At the 5G-Industry Campus Europe, Aachen (Germany)



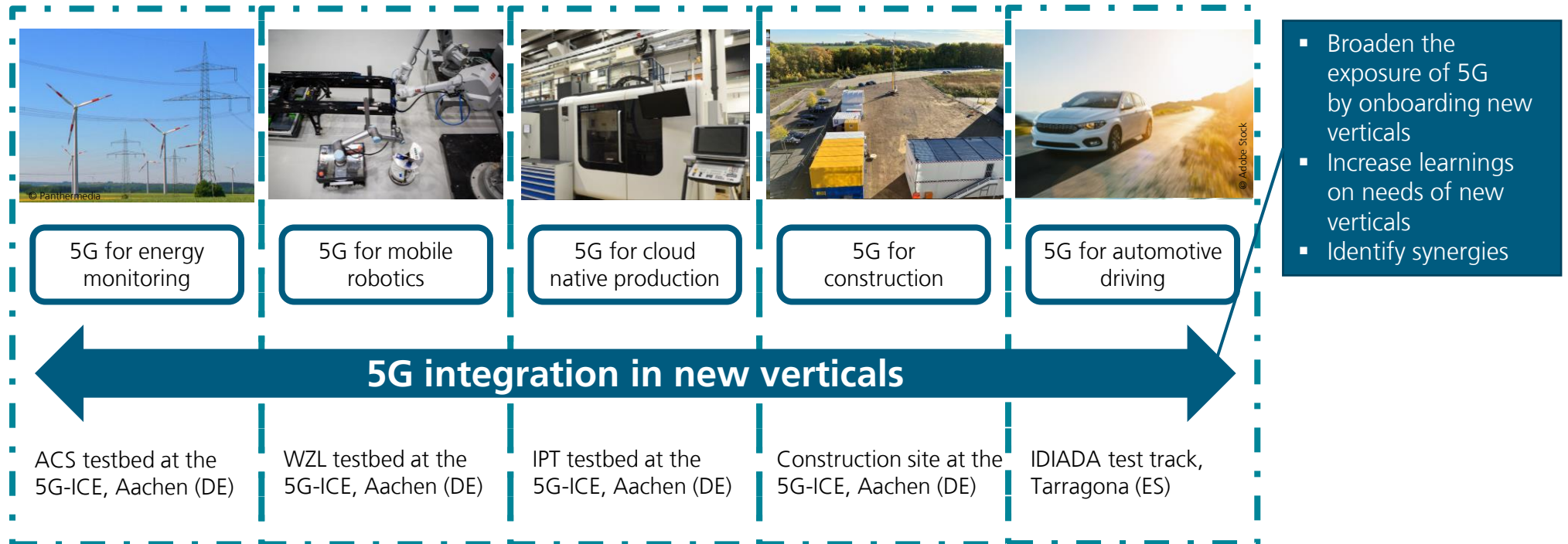
5G for automotive driving

IDIADA test track, Tarragona (Spain)



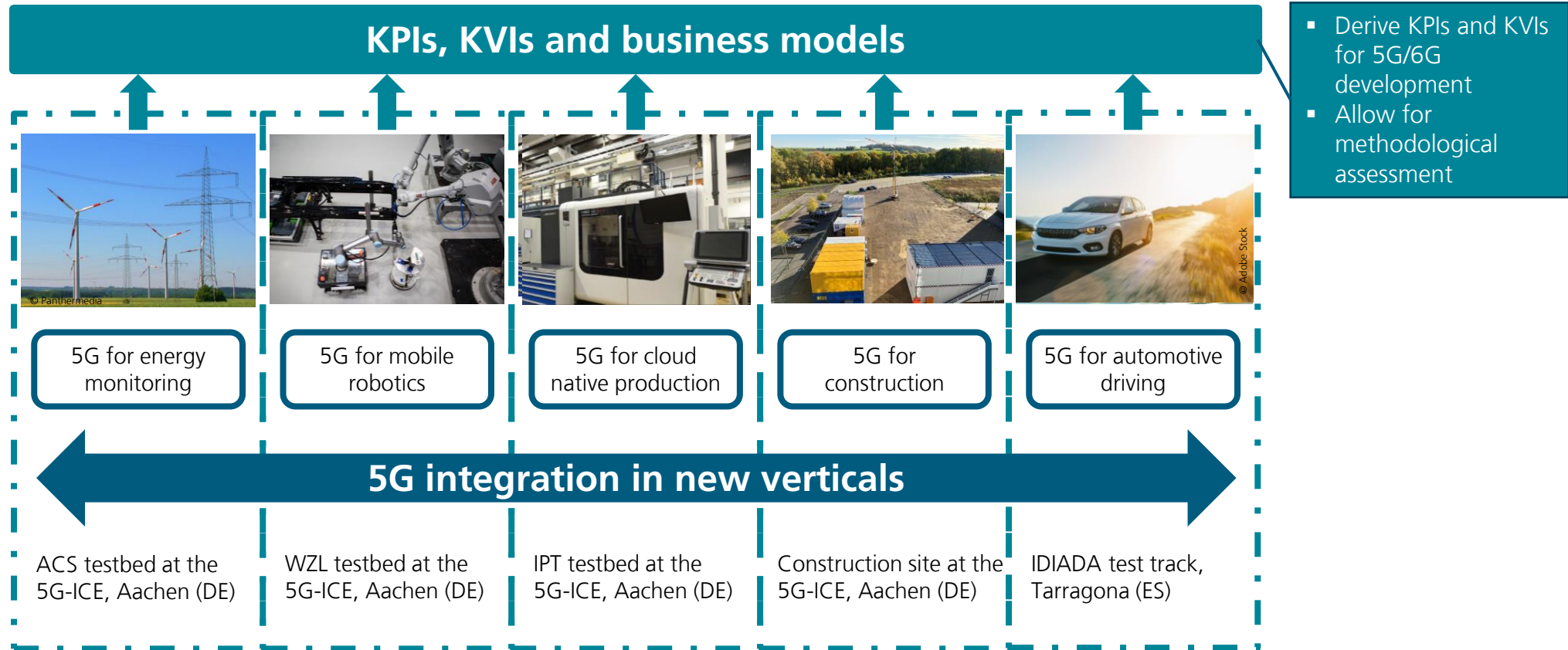
# Overall concept of TARGET-X

Testbeds for Energy, Manufacturing, Construction, Automotive –Work packages 2 - 5



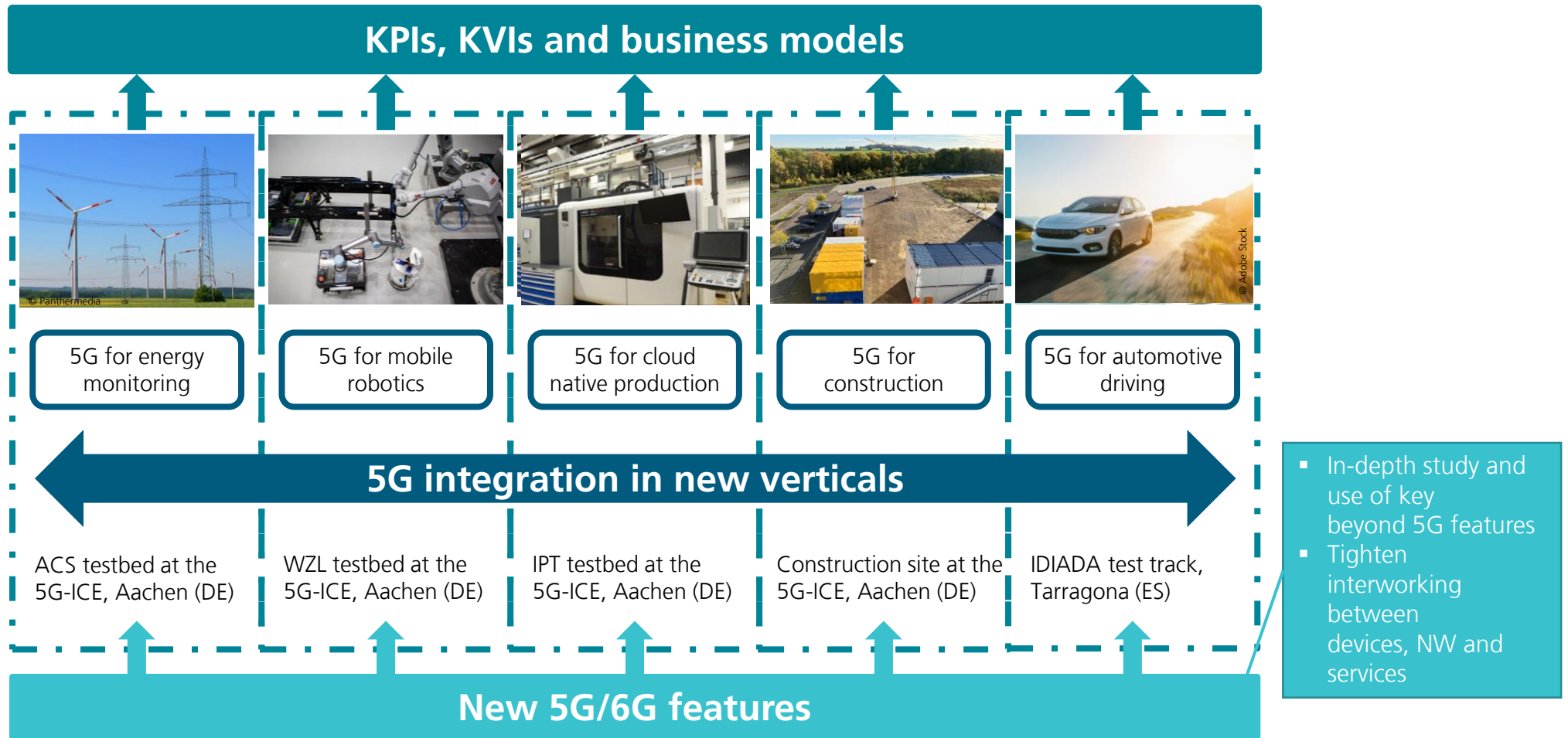
# Overall concept of TARGET-X

## KPIs, KVIs and business models – WP1 Methodological Assessment Framework



# Overall concept of TARGET-X

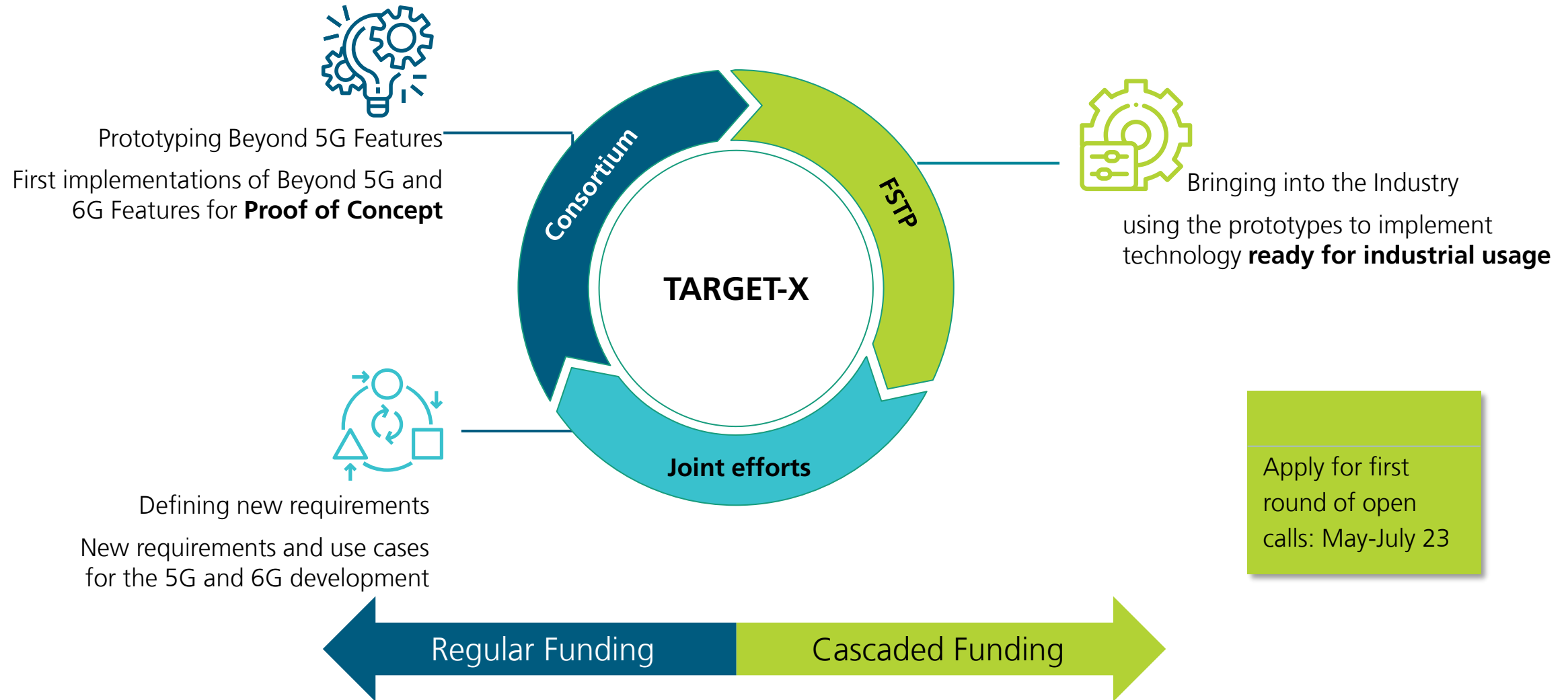
## New 5G/6G Features - WP6 Technology evolution





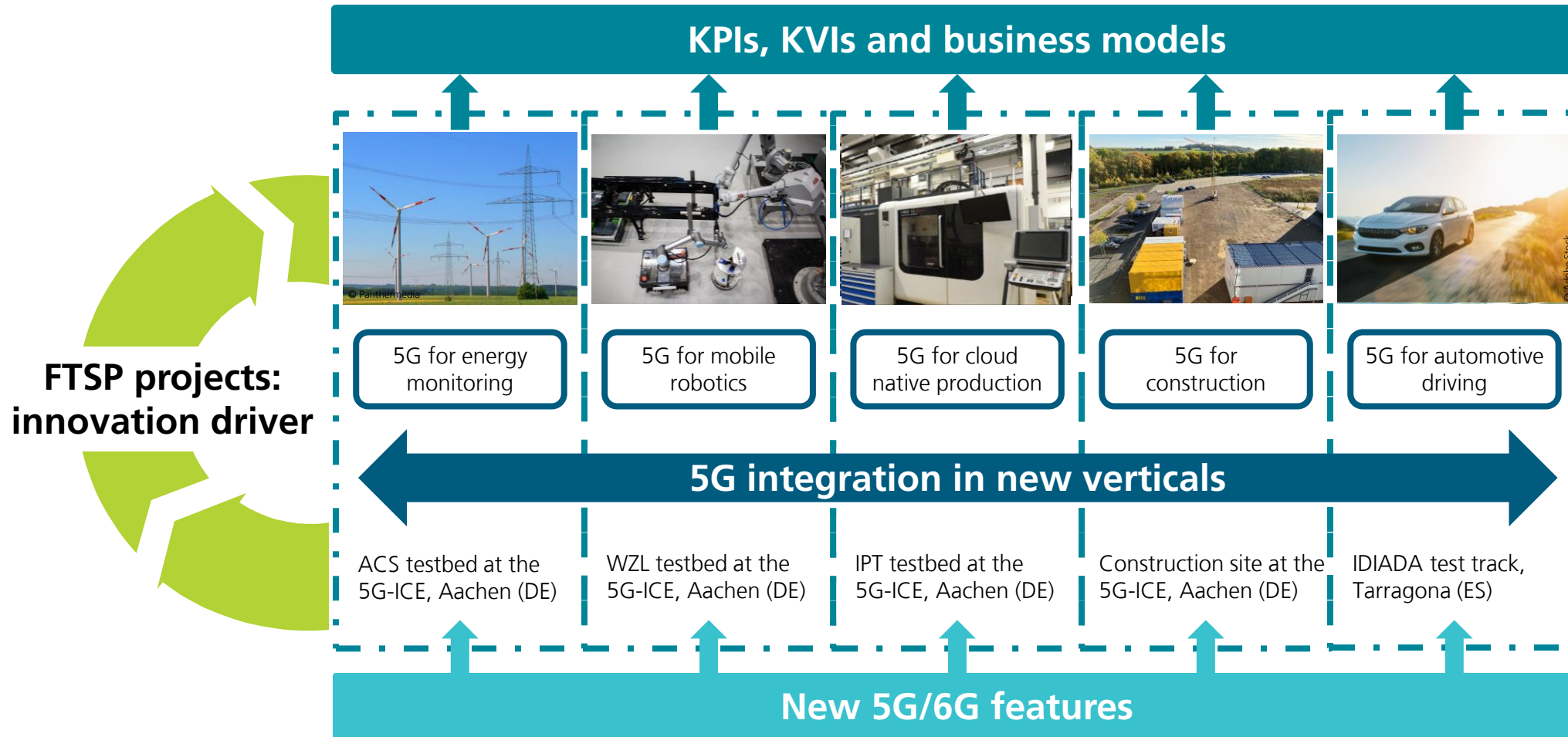
# TARGET-X believes in cascade funding

WP7 – Open calls and FSTP





# Overall concept of TARGET-X



# Thank you for your attention!

## Contact

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Apply for first  
round of open  
calls: May-July 23

Coming soon:  
[www.target-x.eu](http://www.target-x.eu)

<https://www.ipt.fraunhofer.de/en/projects/target-x.html>

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