



Telenor Research & Innovation Nordregio – 5G in Media & Broadcasting

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September 20, 2023

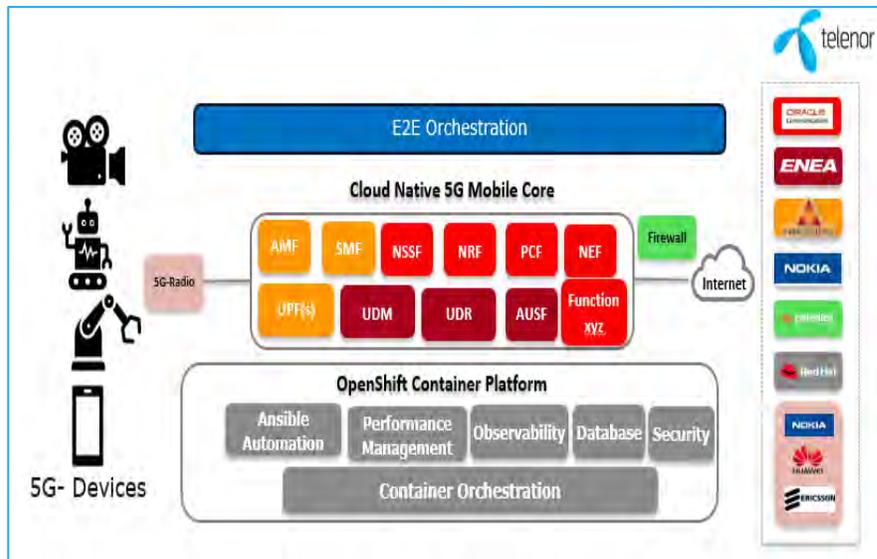
Agenda

- Introduction to R&I Next Generation 5G Facility
- Supporting projects
- Open calls (5G funding possibilities and consortium building)

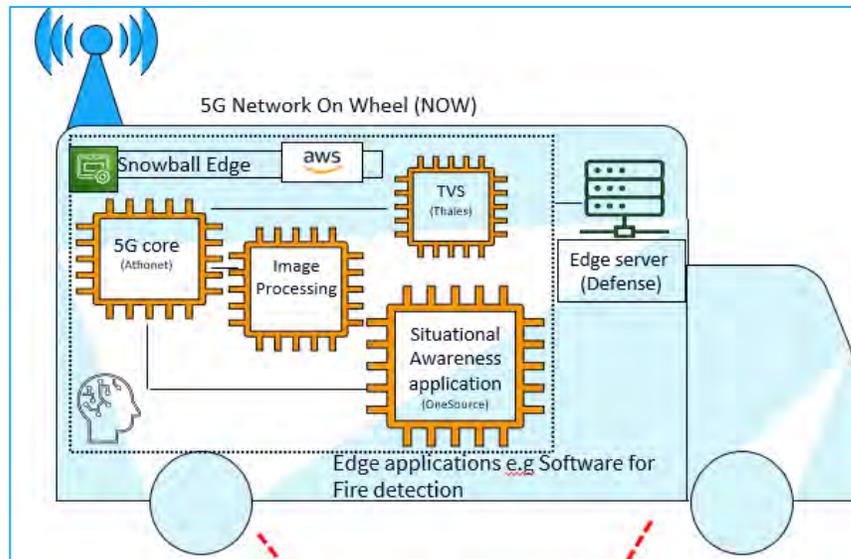


5G Experimental Platform– Infrastructure

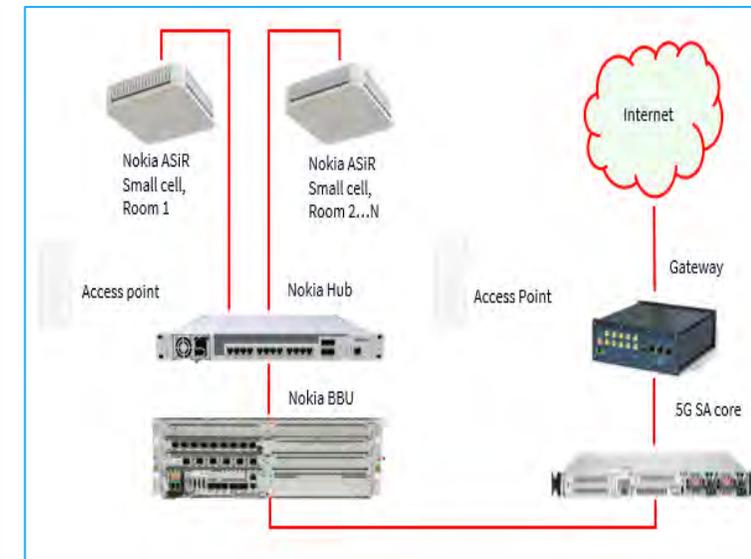
Next Generation Platform (NGP)



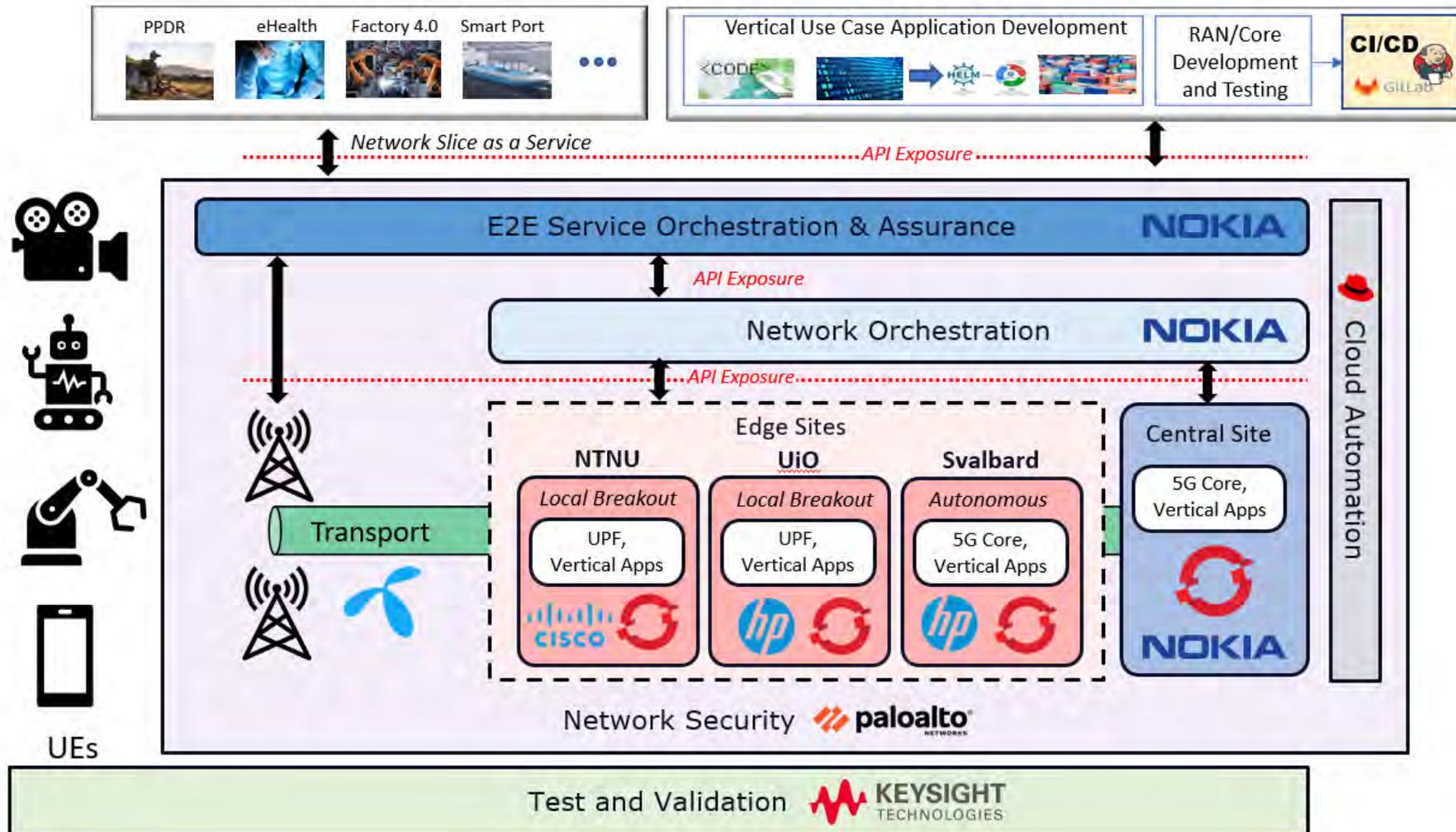
Network on Wheels (NOW)



5G Indoor Private Networks

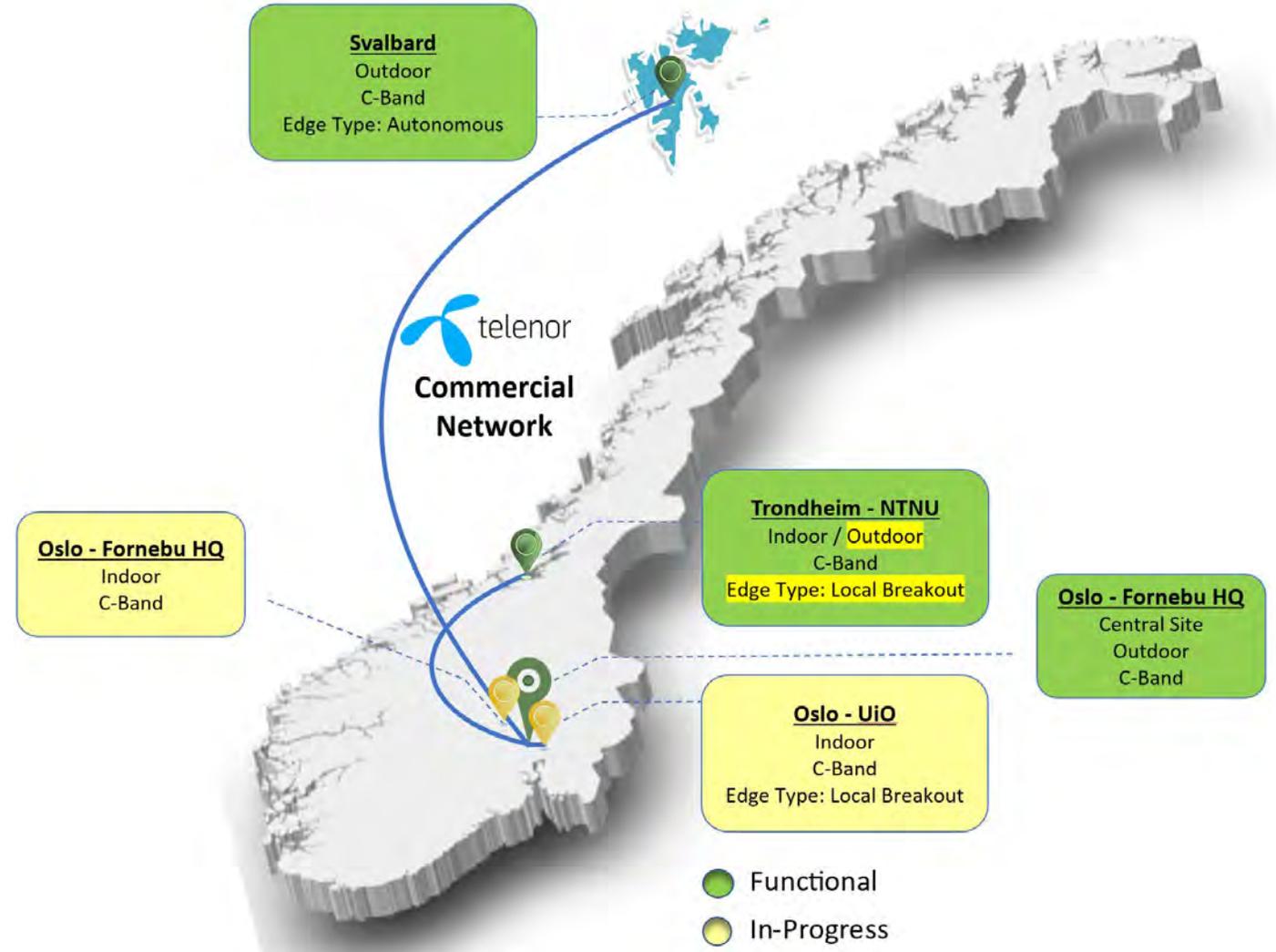


NGP Platform Overview

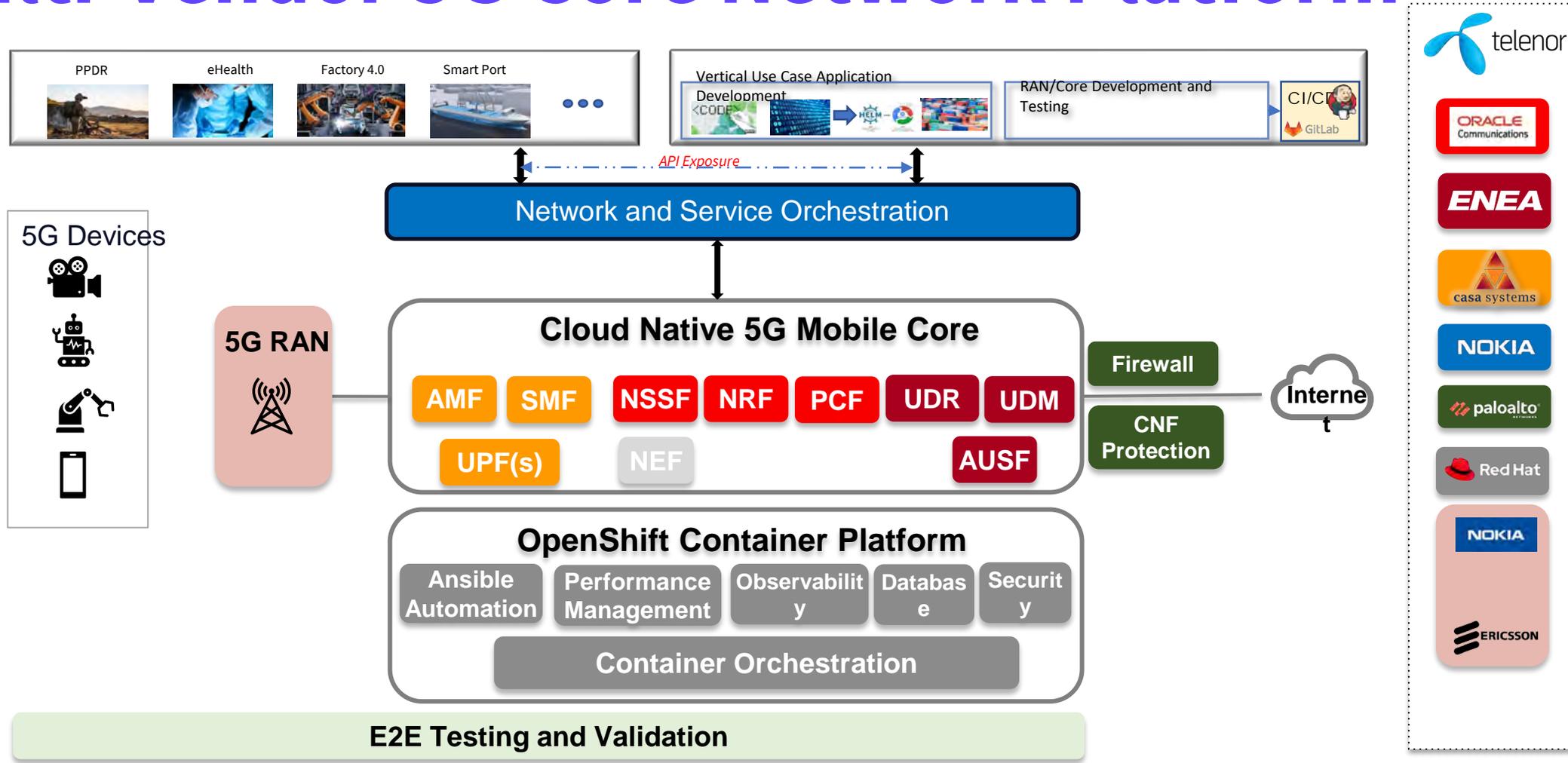


NGP - Platform Site Deployment Status

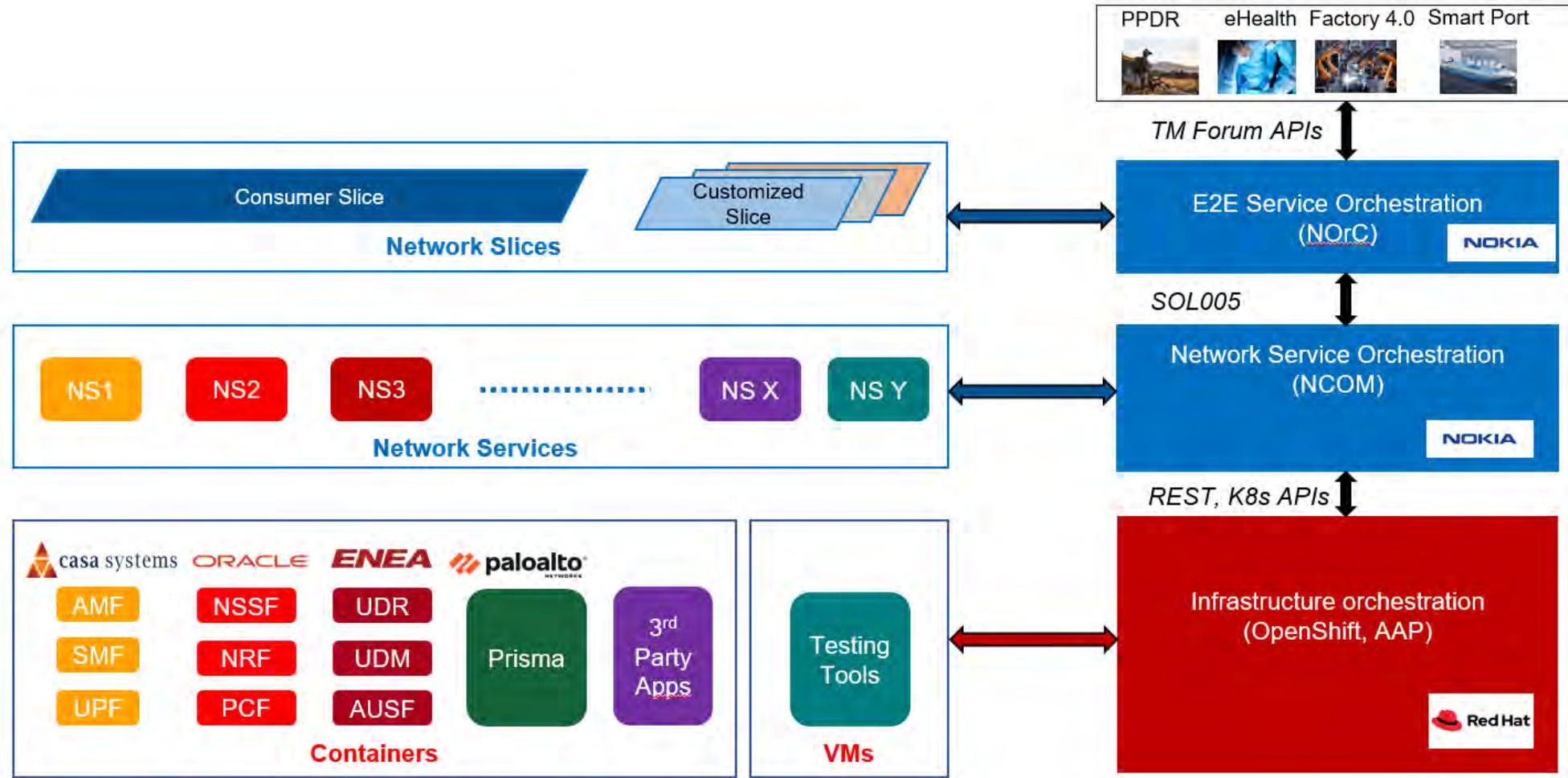
- Sites deployed
 - Fornebu
 - Svalbard
 - Trondheim
- In Progress
 - University of Oslo
 - mmW in NTNU
 - C-band indoor Hub



Multi-vendor 5G Core Network Platform

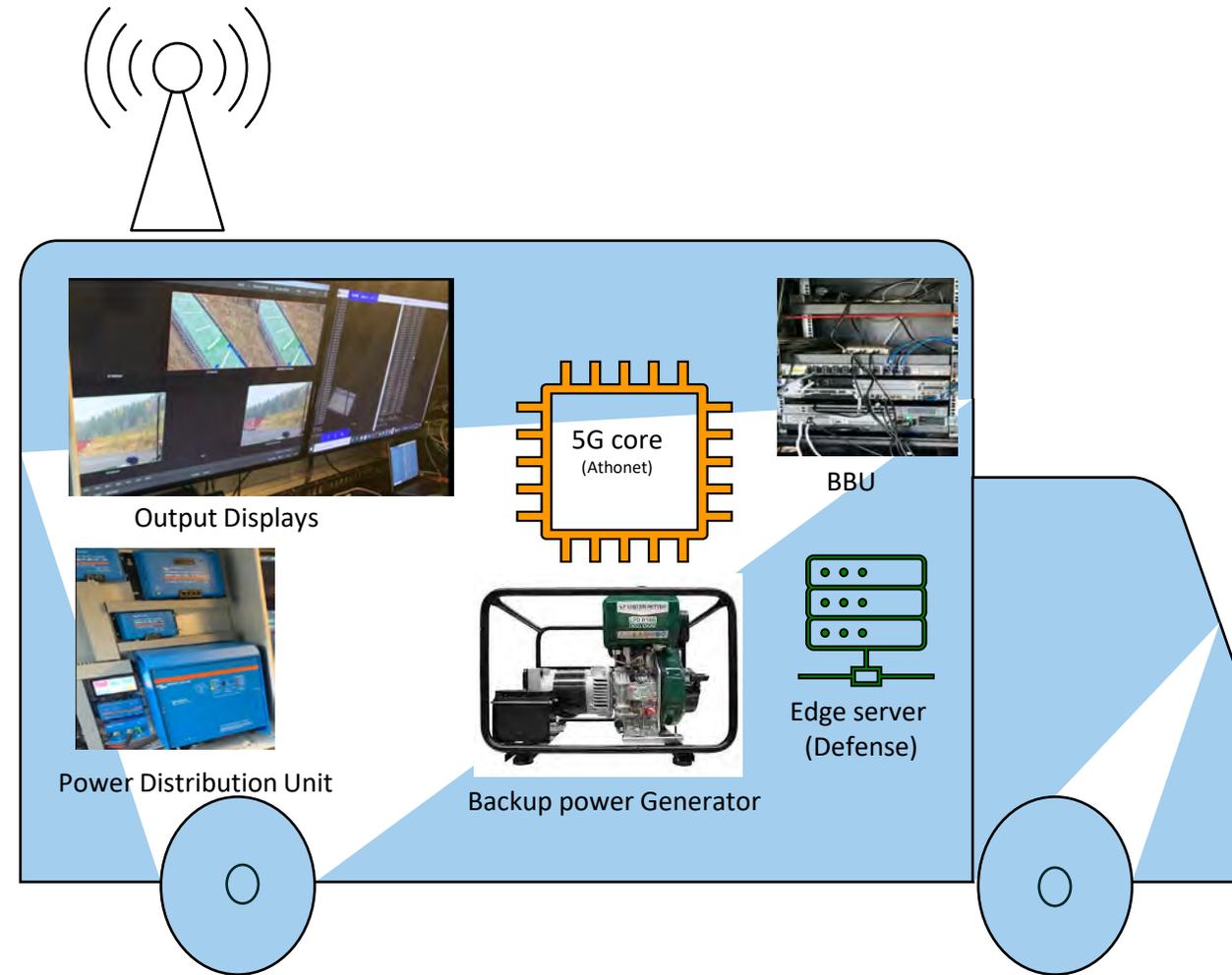


Deployment Architecture



Network On Wheels

- 5G Standalone in C band
- Coverage on demand with guaranteed QoS
- Fully Autonomous
- Hosts Military applications for Gun shot detection, PTT, E2E encrypted voice, chat, video
- Situational awareness applications
- 5GCore and all services in compute optimized SBE
- Video Analytics on the edge for search and rescue mission using drones

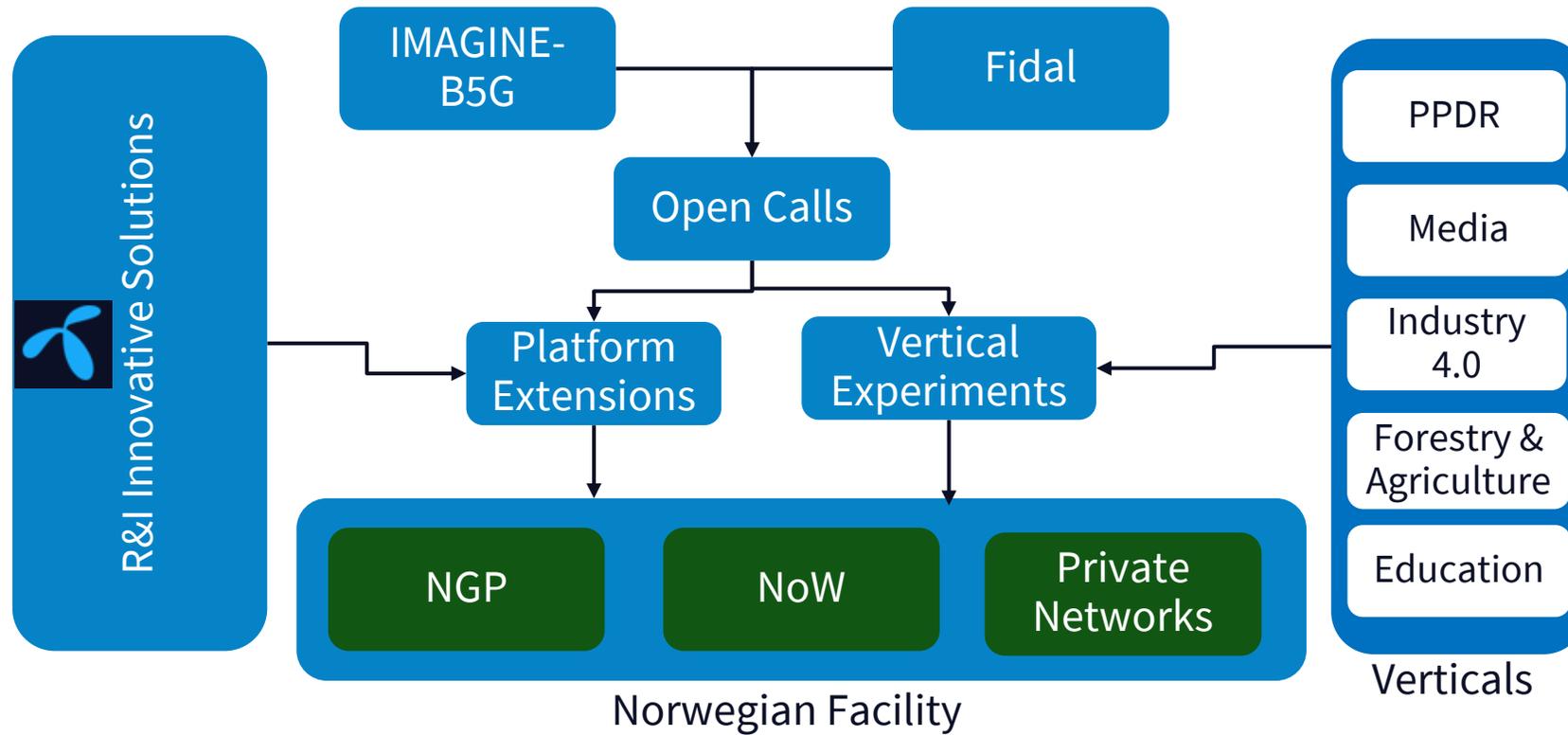


Media Trials with NRK (Norwegian Broadcaster)

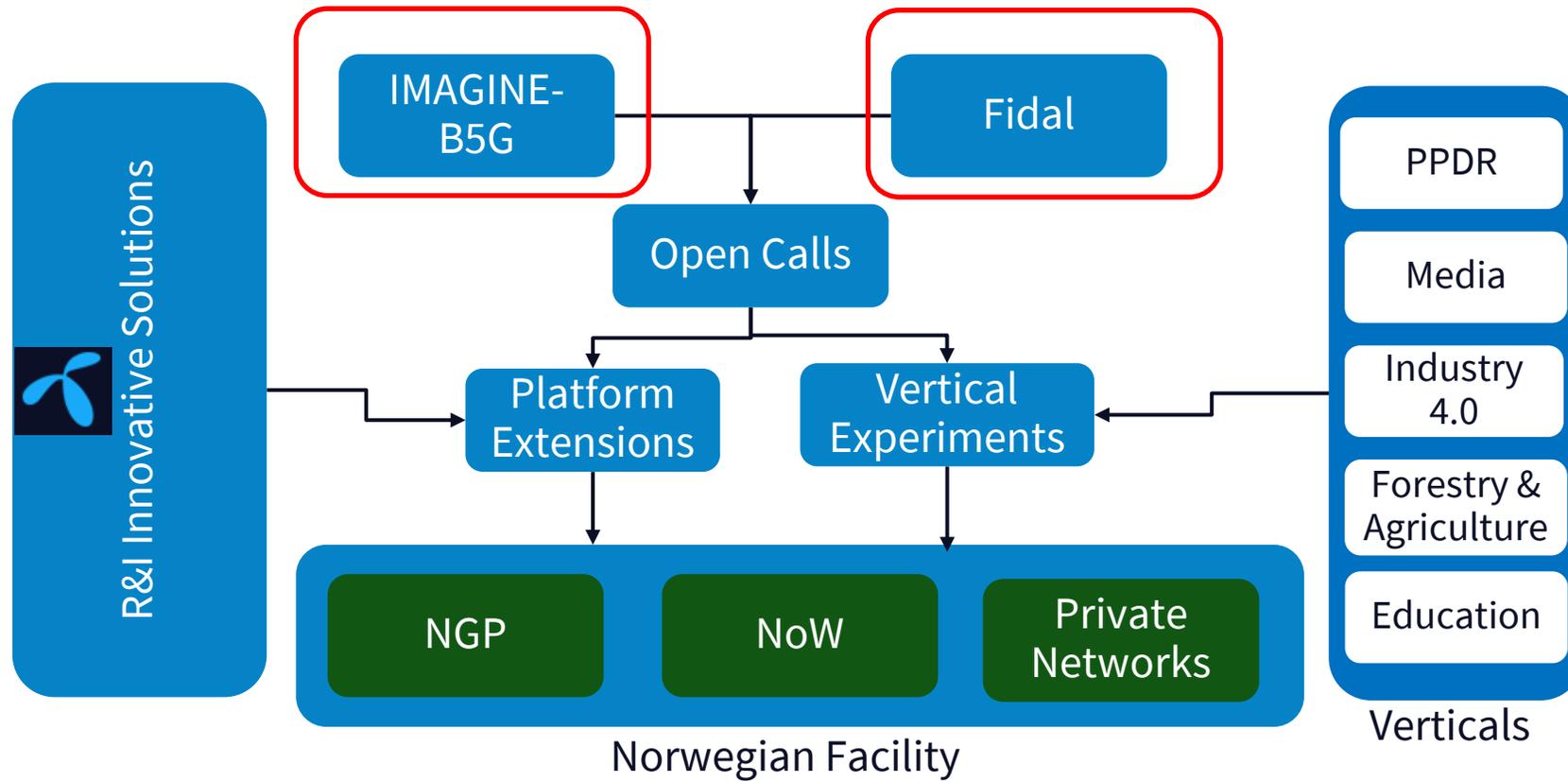


Reference: FUDGE5G – D4.1, 4.2, 4.3: <https://fudge-5g.eu/en/deliverables>

Projects to Support



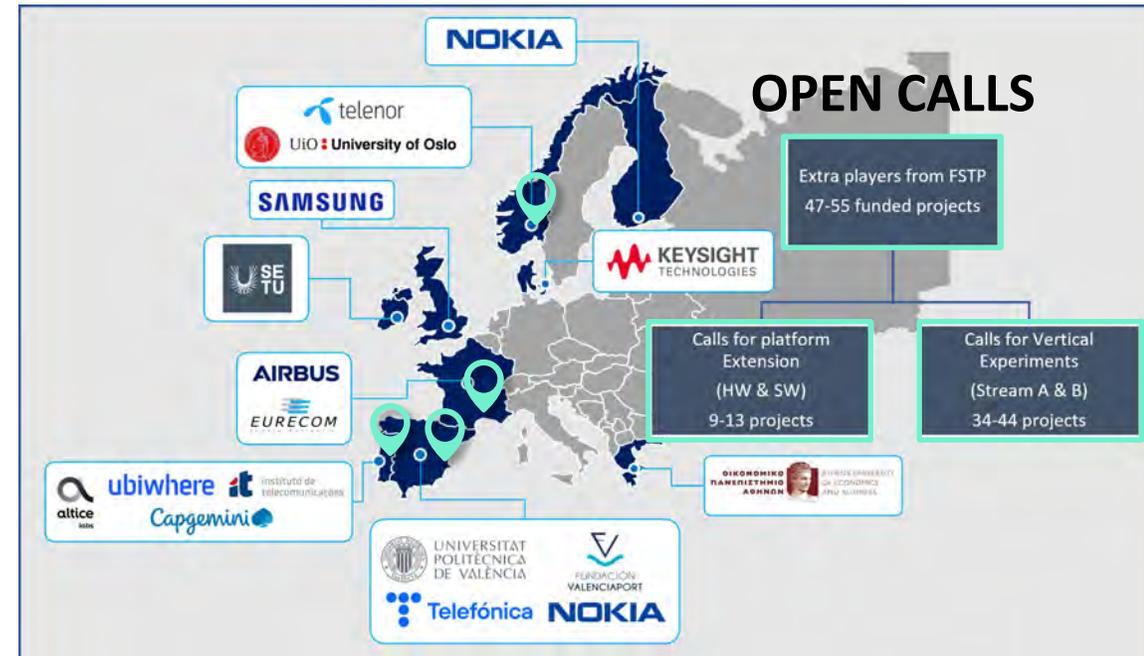
Projects to Support



IMAGINE-B5G fact sheet

- **Project type:** HORIZON-JU-SNS-2022-STREAM-D-01-01 Innovation Action (**IA**)
- **Project number:** 101096452
- **Consortium: 17 partners** (9 countries)
 - Project coordination: **UPV** (Spain)
 - Technical manager: **Telenor** (Norway)
 - Innovation manager: **Airbus** (France)
 - Open-calls Technical Manager: **UiO** (Norway)
 - Open-calls Admin Manager: **SETU** (Ireland)
- **Project duration: 36 months** (Jan. 2023 – Dec. 2025)
- **Verticals**

X4 advanced 5G experimental facilities



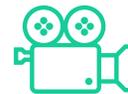
PPDR



Education



Industry 4.0



Media



eHealth



Agriculture &
forestry



Transportation &
logistics



Funded by the
European Union

6G SNS

Grant Agreement No.: 101096452

Call: HORIZON-JU-SNS-2022

Sensitivity: Open

Open-calls

- **Budget:** 40% of the proposal budget

- **Objective:**

- To enable European-led innovation, fast track adoption
- To stimulate private sector investment, across verticals towards the conceptualization, development, experimentation, and validation of novel vertical applications in the current and the future B5G ecosystem

- **Around 50 projects** through FSTP open-calls.

- for **platform extension** (9 - 13 projects)

- for **vertical experiments** (34 - 44 projects)

- **3 rounds of open-calls**

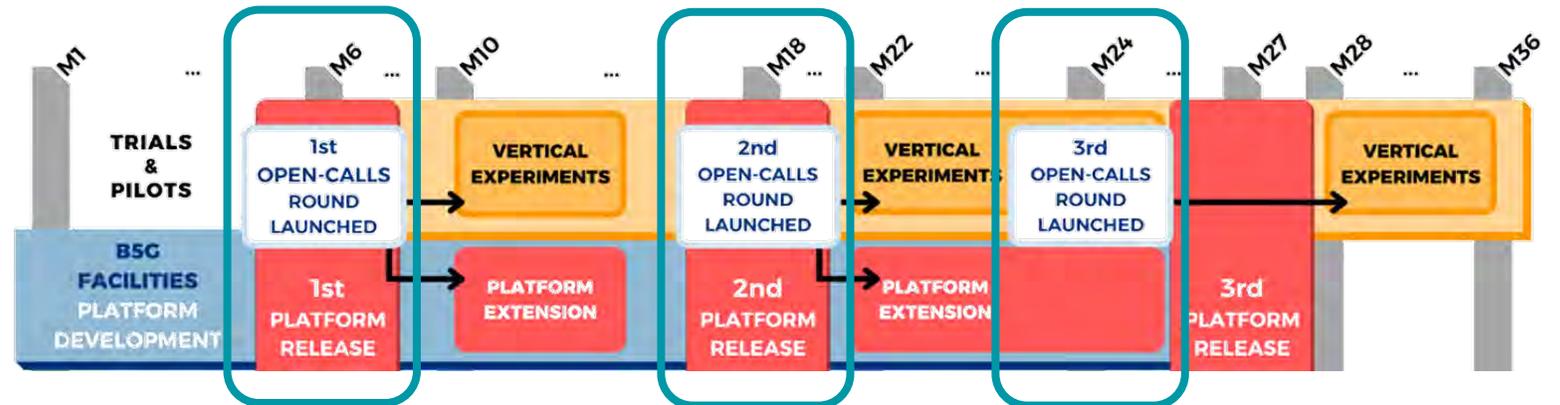
associated with a release of the platform

M6 (June 2023)

M18 (June 2024)

M24 (December 2024)

Call #	Type of call
OC1 - published at M6 with a start date in M10	
OC1-Ver	Vertical Experiments (Trials and Pilots) - up to 12 months
OC1-Ext	Platform Extensions (HW&SW) - up to 18 months
OC2 - published at M18 with a start date in M22	
OC2-Ver	Vertical Experiments (Trials and Pilots) - up to 12 months
OC2-Ext	Platform Extensions (Stream A & B) - up to 12 months
OC3 - published at M24 with a start date in M28	
OC3-Ver	Vertical Experiments (Trials and Pilots) - 6 months until the end of the project
Totals	



* FSTP: Financial Support to Third Parties



Funded by the European Union



Grant Agreement No.: 101096452

Call: HORIZON-JU-SNS-2022

Sensitivity: Open

Open Calls

- Open Call 1

- Deadline: 01-09-2023 **Expired**

- Total Applications: 65, among which 26 for Norwegian Facility

- Open Call 2

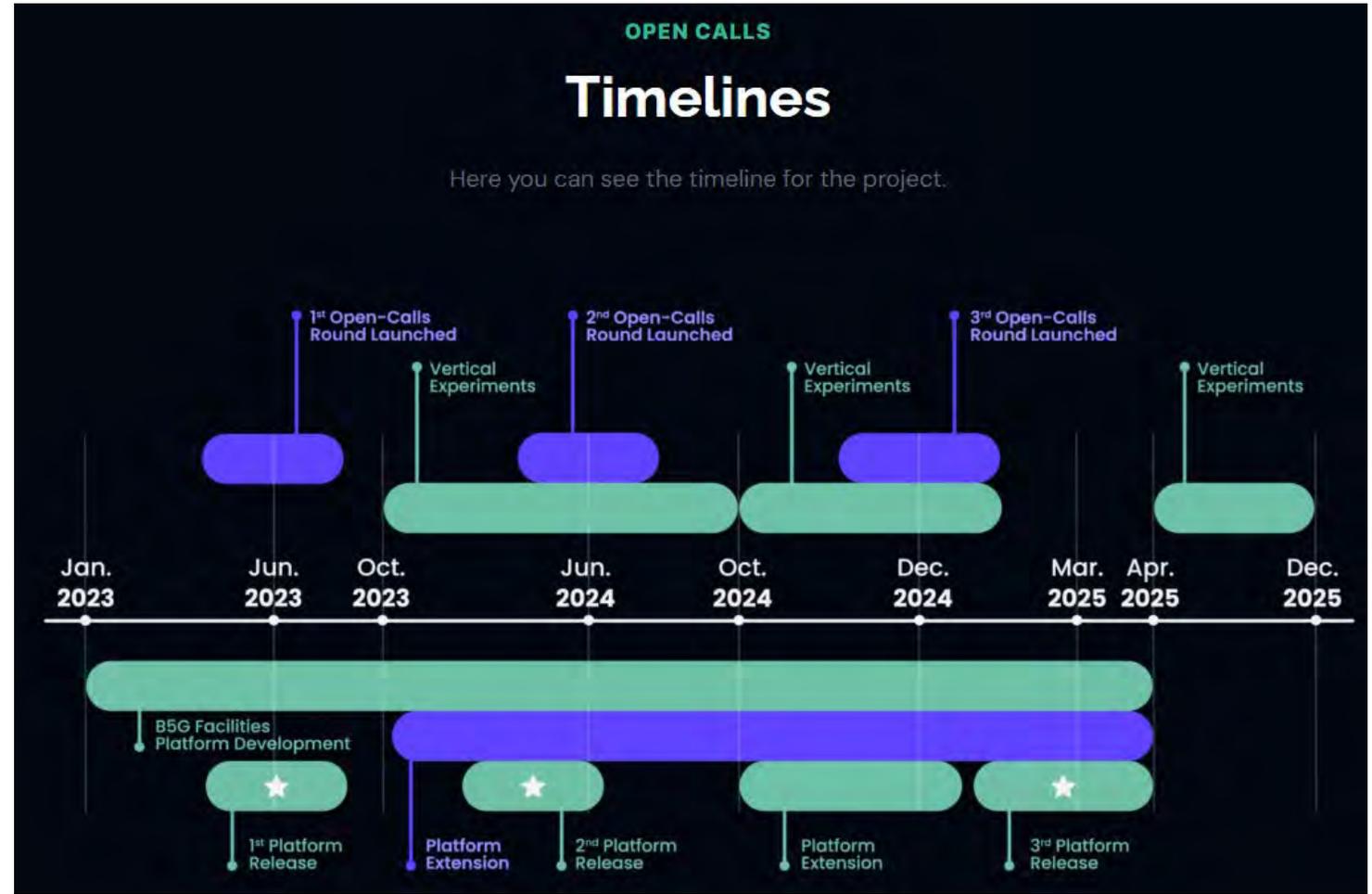
- June 2024

- Deadline: End of August 2024

- Open Call 3

- December 2024

- Deadline: End of February 2025



Fact Sheet

- **Project type:** HORIZON-JU-SNS-2022-STREAM-D-01-01 Innovation Action (**IA**)
- **Project number:** 101096146
- **Consortium: 20 partners**
 - Project coordination: **NOVA** (Greece)
 - Technical manager: **P-Net** (Greece)
- **Project duration: 36 months** (Jan. 2023 – Dec. 2025)
- **Verticals**
 - PPDR, Media, Entertainment, Emergency services, Time critical applications and services

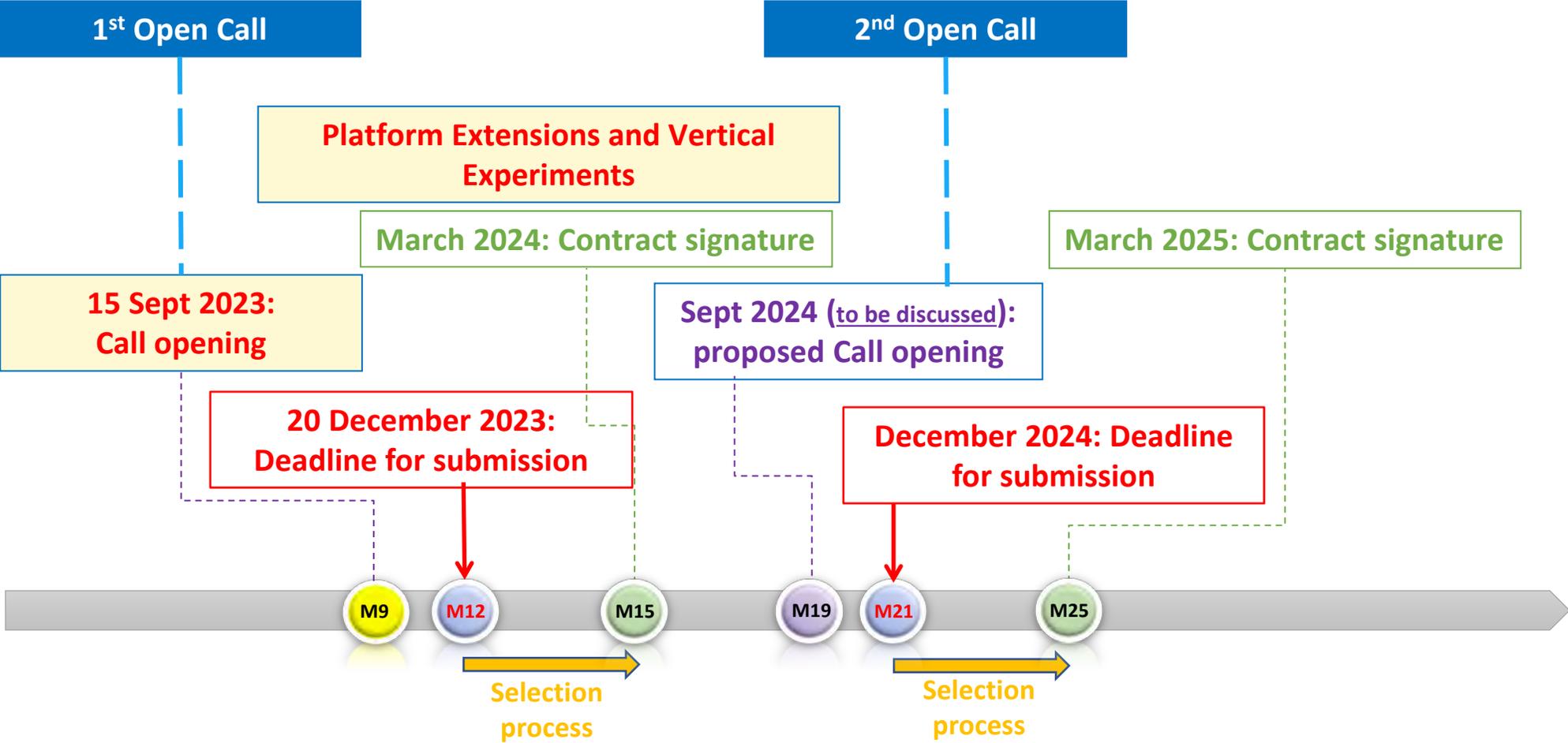
3x Advance 5G and B5G Facilities
-Norway, Spain, Greece



FIDAL
FIELD TRIALS BEYOND 5G



Open Calls - Timelines



Fidal Open Call deadlines

THE FIDAL OPEN CALL IS NOW OPEN FOR SUBMISSIONS!

PROJECT ACRONYM : FIDAL	
Project full name	FIDAL Field Trials beyond 5G
EU Program	HORIZON-JU-SNS-2022-STREAM-D
Call Opening	15 September 2023
Deadline	20 December 2023
Expected duration of participation	12 months
Maximum amount of financial support for each application	250.000 euros
Call identifier	FIDAL Open Call
Proposal language submission	English
Information Contact	opencall@fidal-he.eu

GUIDE FOR APPLICANTS

SITES DESCRIPTION

DECLARATION OF HONOUR

KVI & KPI

FIDAL Open Call - September 2023

By applying to the Open Call, applicants could enter in the FIDAL project receiving up to 250.000 euros per application. FIDAL invites European third parties such as companies, research centers or any other relevant entity as well as facilities and infrastructure owners, to undertake a set of new or complementary 5G use cases to further enrich the main areas of interest and to perform related large-scale trials.

The proposed use cases should address one of the main areas identified by the project:

- Media
- Entertainment
- Emergency Services
- Time critical applications and services

The total available budget for the first Open Call is of 4 Million euros

THE FIDAL OPEN CALL IS NOW OPEN FOR SUBMISSIONS!

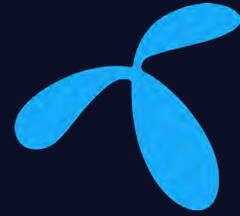
[FIDAL Open Call - September 2023 | Fidal - Field Trials Beyond 5G \(fidal-he.eu\)](https://fidal-he.eu/fidal-open-call-september-2023)



Useful links

- <https://imagineb5g.eu/open/>
- <https://fidal-he.eu/open-calls>
- <https://fudge-5g.eu/en/use-cases/media-showroom>





Thanks