



6G and Ecosystem Development

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Next Generation Mobile Networks
www.ngmn.org

**WE MAKE BETTER
CONNECTIONS**

INTRODUCTION



The **Next Generation Mobile Networks Alliance** was **founded by leading international mobile network operators in 2006** with the **objective to ensure that functionality and performance of next generation mobile network infrastructure, service platforms and devices will meet the requirements of operators and, ultimately, will satisfy end user demand and expectations**

- **NGMN actively drives global alignment and convergence of technology standards and industry initiatives** with the objective to **avoid fragmentation and to support industry scale**
- A **global presence** has been established that comprises a **leadership network of ~ 80 partners: operators, vendors, software- and consultancy companies, academia and other** interested parties
- In addition, **several cooperation partners support the NGMN Alliance in projects and by two-way liaison**

GLOBAL PARTNERSHIP

~80 Companies

MEMBERS

Leading Operators with global presence



CONTRIBUTORS

Other leading industry players



ADVISORS

Research Institutes and Academia



STRATEGY

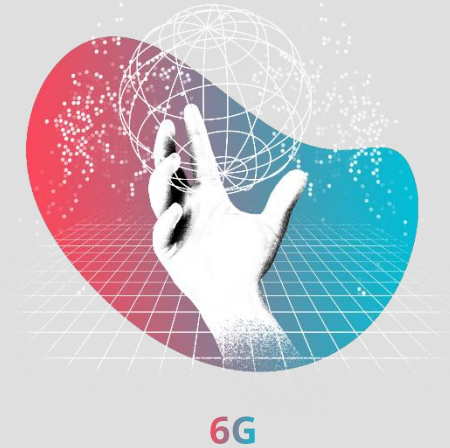
Three equally important pillars



Leading in the development of open, disaggregated, virtualised and cloud native solutions with a **focus on the E2E Operating Model**



Building sustainable & environmentally conscious solutions



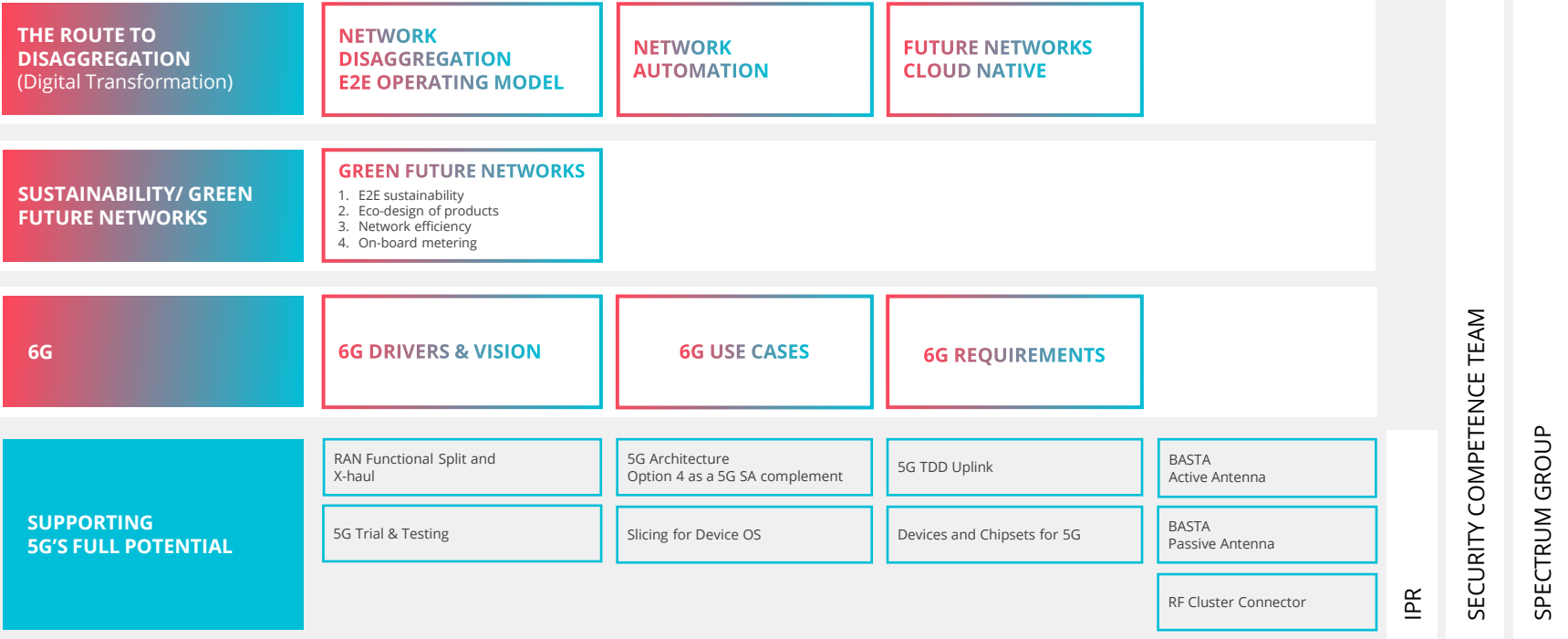
Emergence of 6G highlighting key trends across technology and societal requirements plus use cases to address

CURRENT WORK PROGRAMME OVERVIEW

STRATEGIC FOCUS

PROJECTS & ACTIVITIES

ACCOMPANYING & SUPPORTING ACTIVITIES





DRIVERS AND VISION, USE CASES

PROJECT CO-LEADS:
QUAN ZHAO (CHINA MOBILE)
DAVID LISTER (VODAFONE)
NAROTHUM SAXENA (USCELLULAR)

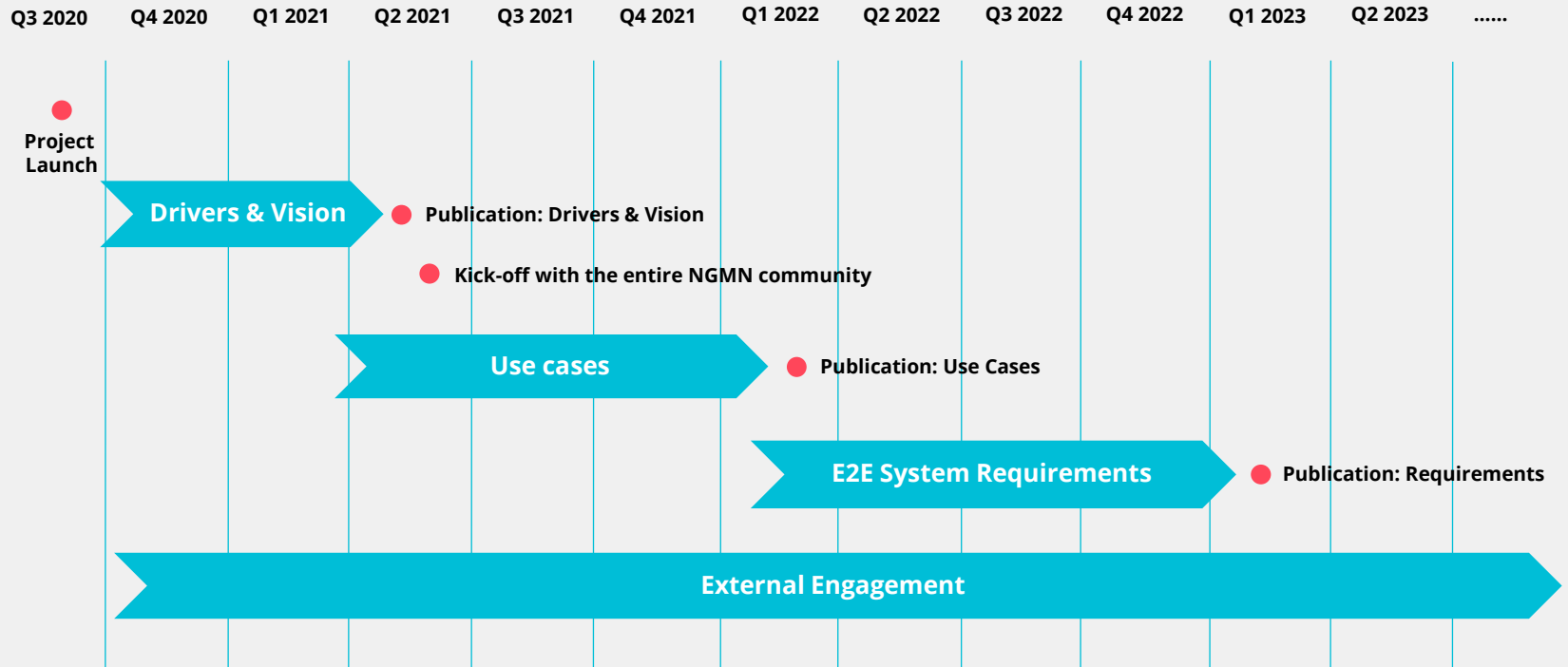
6G PROJECT

- NGMN played a significant role paving the way also for LTE¹ and 5G² standardisation, and has an important role to play in shaping 6G for the benefit of end users and industry.
- The project started with an operator viewpoint on 6G Drivers and Vision, and through collaboration is preparing its view on 6G use cases.
- This work will be followed by E2E requirements through cooperation with relevant organisations.

1. LTE: "Next Generation Networks Beyond HSPA" (2007)

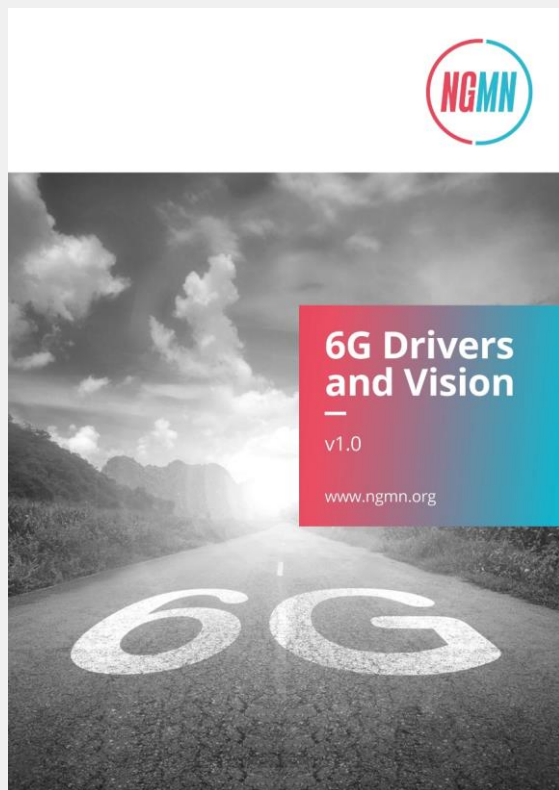
2. 5G: "NGMN 5G White Paper" (2015), "NGMN 5G White Paper 2" (2020)

6G PROJECT MILESTONES



INTRODUCTION TO NGMN'S FIRST 6G WHITE PAPER

(PUBLISHED IN APRIL 2021)



An Operator's view of 6G Drivers & Vision

- Societal & Environmental Benefits
- Expanded & Differentiated Services with Novel Experience
- Operational Necessities To Create & Deliver Enhanced Value

CURRENT WORK: 6G USE CASES

(WITH ENTIRE NGMN PARTNER COMMUNITY)



- **Identification** of 'families' based on contributions of use-cases
- **Alignment** with 6G Drivers & Vision
- Analysis to assess **differentiation** relative to fully featured 5G, **applicability** and **feasibility**.

PARTICIPATING COMPANIES IN NGMN'S 6G PROJECT

40 COMPANIES AT THIS POINT IN TIME



Bi-weekly calls working currently on use cases

Operators



Vendors



Research Institutes





THANK YOU

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In case of further questions please contact

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FURTHER INFORMATION SOURCES

- View our [press & industry briefing](#), held with TelecomTV on 24th June 2021
- Additional information about our focus topics and actual projects: [here](#)
- NGMN 6G Drivers and Vision White Paper: download [here](#)
- Access to all [NGMN publications](#)