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5G-HEART -PROJEKTI JA TERVEYSPALVELUIDEN KOKEILUT 5G-TESTIVERKOISSA

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5G Momentum – 5G terveyden ja hyvinvoinnin palveluissa

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5G HEALTH AQUACULTURE AND TRANSPORT VALIDATION TRIALS

Outline

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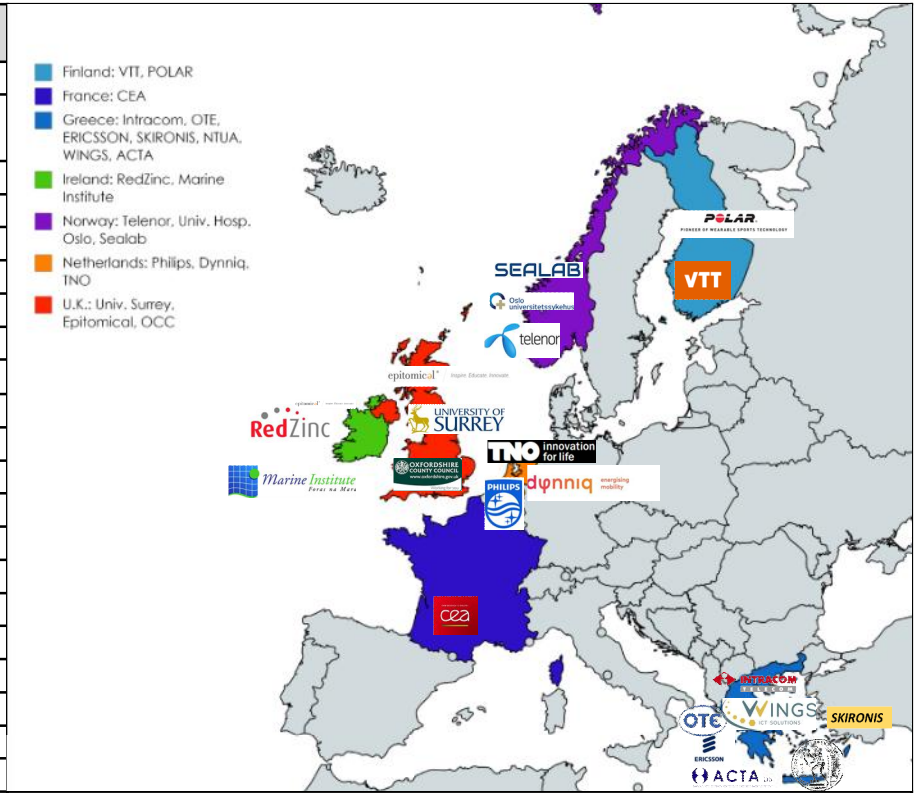
Project overview

- One of the 8 projects funded in the EC's Horizon 2020 WP for "Advanced 5G validations trials across multiple vertical industries".
- Covers services from healthcare, transport and aquaculture verticals.
- Coordinated by VTT.
- Duration: 36 months (6/2019-5/2022)
- Consortium: 21 partners from 7 countries

Partners

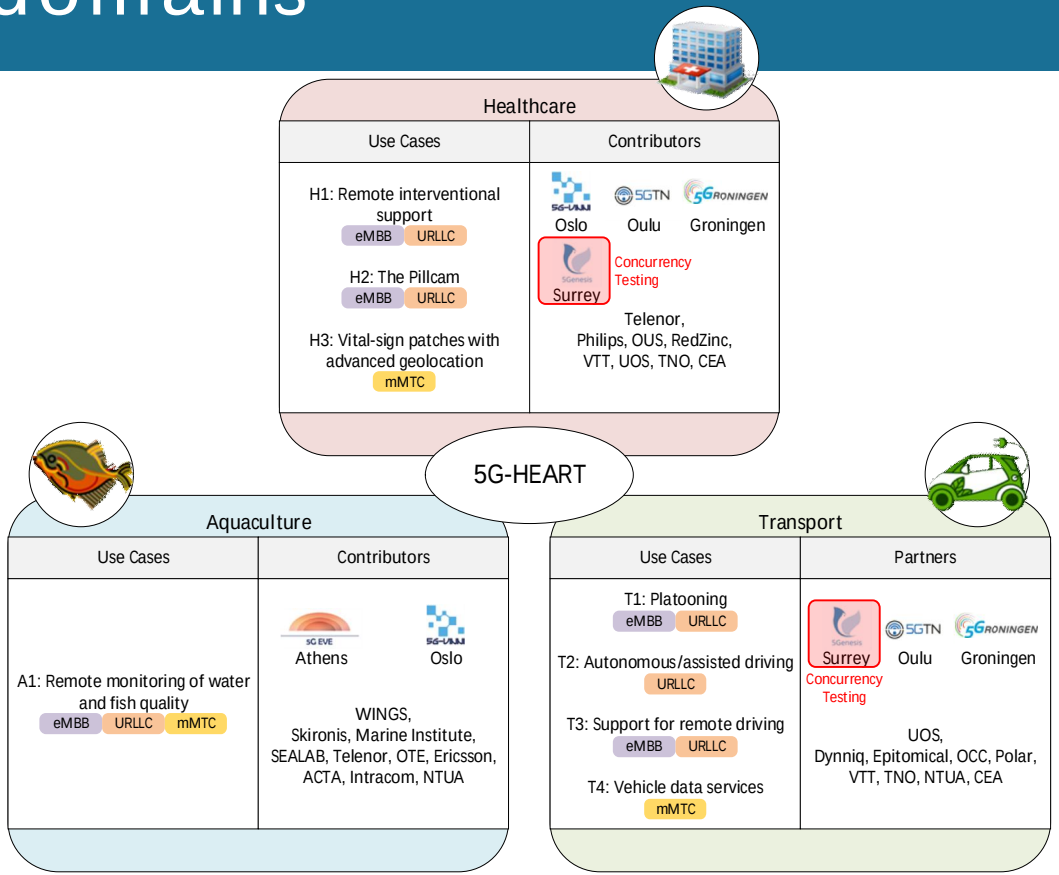
Partner Type	Partner	From
Research	VTT	FI
	Marine Institute	IE
	OUS	NO
	TNO	NL
	UOS	UK
	NTUA	EL
	CEA	FR
LE	Telenor	NO
	Intracom	EL
	OTE	EL
	Ericsson	EL
	Philips	NL
	Dynniq	NL
	Polar	FI
SME	Skironis	EL
	SEALAB	NO
	WINGS	EL
	RedZinc	IE
	ACTA	EL
	Epitomical	UK
Other	OCC	UK



Test facilities

Pilot site:	Oslo, Norway	Surrey, UK	Athens, Greece	Oulu, Finland	Groningen, Netherlands
Verticals:	Healthcare, Aquaculture	Healthcare, Transport	Aquaculture	Healthcare, Transport	Healthcare, Transport
Test facility:	5G-VINNI (ICT-17)	5GENESIS (ICT-17)	5G EVE (ICT-17)	5GTN (national)	5Groningen (national)
5G-HEART use cases:	H1, H2, H3, A1	H3, T1, T2, T3, T4	A1	H1, T2	H1, T2
Use case categories:	eMBB, URLLC, mMTC	eMBB, URLLC, mMTC	eMBB, URLLC, mMTC	eMBB, URLLC	eMBB, URLLC
Involved partners:	Telenor	UOS	OTE, Ericsson, WINGS	VTT	TNO

Vertical domains



Healthcare vertical

- Use case H1: Remote interventional support
  - Use of advanced, rich media communications in the context of remote monitoring, education and robotics in patient diagnostics and treatment.
- Use case H2: The Pillcam
  - Colon capsule may be an alternative to colonoscopy for early detection of colon cancer with high mortality.
- Use case H3: Vital-sign patches with advanced geo-location
  - Direct-to-Cloud, disposable, vital-sign patches to enable continuous monitoring of ambulatory patients, anytime and anywhere.

Stakeholder impact

THANK YOU
FOR YOUR ATTENTION

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