

Gradiant: a telecomms-oriented RTO



Gradiant in a nutshell

- Private non-profit
- Active since 2008
- Focus on Industry-oriented Research & Innovation
- EUR 4.3M Budget (2013)
- 100% competitive funding
- 85 FT researchers (18 PhDs)



Strong links to industrial players

- Over **100 industrial clients** in portfolio
- **65% income** from industrial R&I contracts and agreements
- **Large industry:** Operators, Telco service providers, Manufacturers
- **SMEs**
- **Other ICT and non-ICT sectors**

Solid EU projects activity

- **7 FP7** projects since 2010
- **2 FP7** projects as coordinator
- Actively contributing to **NetWorld2020, NESSI, NEM**



Strategic academic partners



Universida de Vigo

Gradiant: Our 5G Research & Innovation coverage

Strand 1 – Radio network architecture and technologies

- Flexible and adaptable air interfaces
- SatCom applied to 5G
- Cloud-RAN

Experience

- Ad-hoc & standard based waveforms.
- Satellite communications
- Cognitive Radio based and SDR Systems
- Cloud & Security

Assets

- Commercial LTE Femtocell (R&D License)
- Design and implementation of S-MIM terminal
- Encrypted databases for the cloud.

Strand 2 – Convergence beyond last mile

- 5G Internet of Things
- Cognitive Networking
- Traffic Engineering for SDN

Strand 4 – Network virtualisation and Software Networks

- Cognitive Networking
- Traffic Engineering for SDN

Strand 3 – Network management

- Opportunistic routing
- 6LoWPAN integration in 5G Networks
- Cognitive networking for SDN
- Traffic analysis

Experience

- Vodafone Network analysis and optimization
- National and regional funded projects (SMARTED,HOLOS)

Assets

- Own IoT HW and SW platform
- Own discrete event simulator

Gradiant: 5G-related R&I offer

Other reasons that make us a valuable partner

- Our research understands Industry's needs
- Fresh research capacities under a business-oriented setting
- Ability to engage national Industry incl. SMEs in H2020 projects
- Ability to involve institutional entities
- Strong experience in FP7 and good understanding of H2020 rules

Your contacts at this Infoday

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