

From research to innovation:

**Business cases of 5G in protecting
critical infrastructures**

Dr Giannis Katsaros
EXUS Innovation Attractor
gkats@exus.co.uk

Where we come from



EXUS coordinates a number of large scale projects aiming at protecting critical infrastructures using heterogeneous wireless technologies (cellular, WiMax, satellite, WiFi, extended Tetra)

Relevant Experience from Running Projects:

- FP7 PPDR-TC (Coordinator)
- FP7 ZONESEC (Coordinator)
- FP7 eVACUATE (Coordinator)
- eSPONDER (Coordinator)
- INACHUS

Why 5G for protecting infrastructures?



Ultra
reliability

Low-Latency

Security

Examples:

Oil / gas pipelines

Water distribution networks

Electrical energy grids

