



# CELTIC-NEXT Event

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Pitch of the Project Proposal

**Edge Cloud MEC content Update via  
GEO broadcast services**

**AIRBUS**

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# Teaser

## Benefit

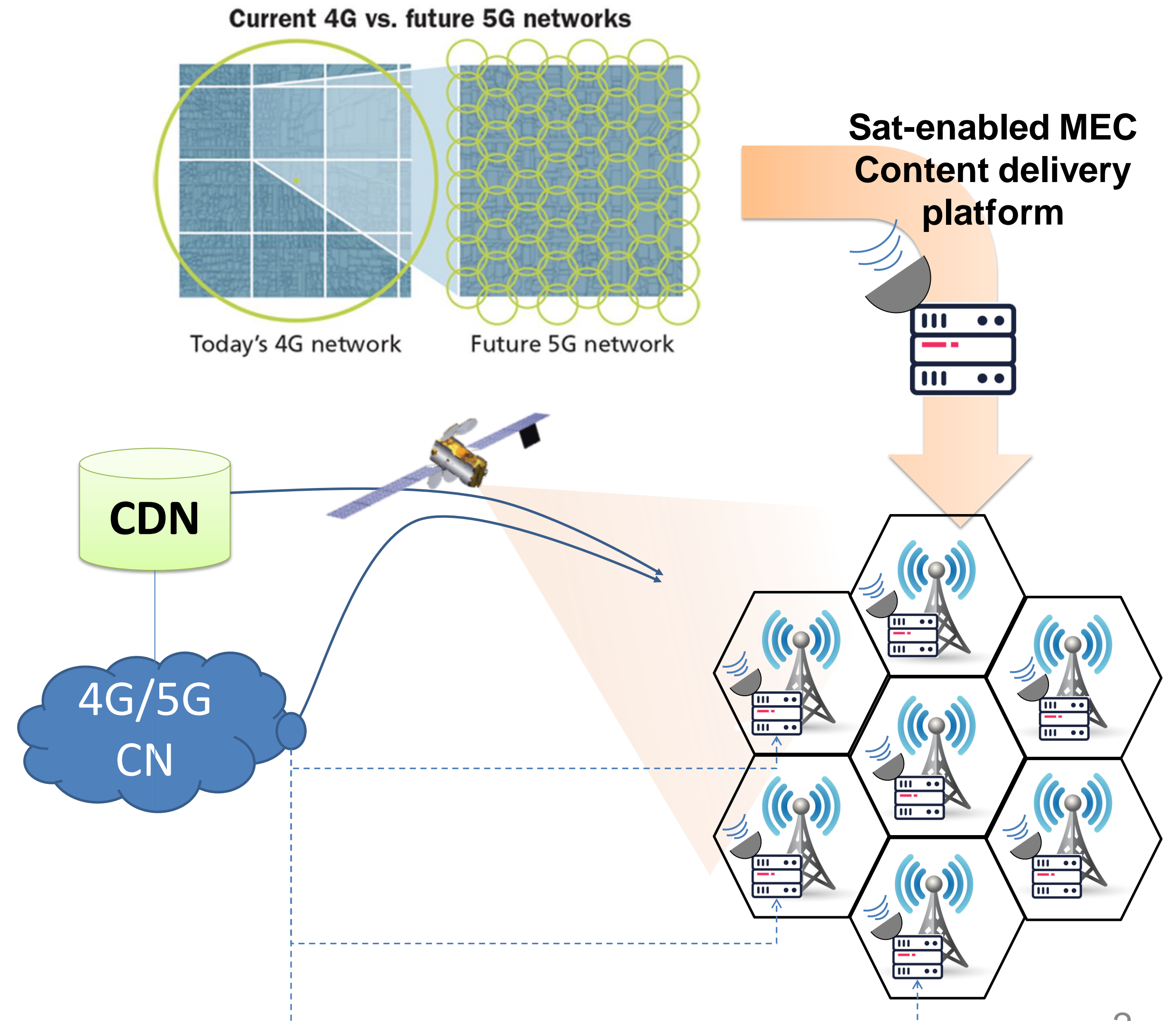
The main benefits being efficiently offloading a very dense future 5G terrestrial transport network and enhance e2e QoE performance for the end user.

## Added value

Building on Sat5G experience, this project will allow to showcase such efficient content delivery approach in a real MNO network environment, both in terms of E2E performance but also in terms of SatCom –enabled MEC platform definition and design.

## Why

We believe the proposed Sat-based solution will have a great impact on 5G network transport efficiency and in content delivery towards the end user.



# Proposal Introduction (1)



## ***Context:***

1. 5G standard driving very low latency requirement for internet content access
2. Most popular internet content represent a very large portion of overall traffic
3. Internet content caching close to Radio Access Node deemed an appropriate solution to meet the very low latency requirement
4. GEO satellite broadcast services deemed most appropriate media to continuously broadcast over a large geographical area, to a large number of Radio Access Node, the most popular internet content.

## ***Project objective:***

Define, prototype and test an end to end MultiAccess Edge Computer Content Update via GEO satcom broadcast services

# Proposal Introduction (2)



## Project scope:

- End to end service architecture definition (RAN, DNS, Edge computer, Edge Satcom Rx terminal, DNS analysis and content prioritisation scheme)
- Define and prototype DNS analysis and content prioritisation function
- Define and prototype Edge Satcom Rx terminal
- Integration and testing of the prototype end to end chain

## Project planning:

2 years, as of January 2020

# Partners



## Potential partners:

- Airbus
- 2 or 3 European mobile network operators (Orange, Vodafone, Telefonica, BT, Deutsche Telekom,...)
- 1 or 2 Satcom operators
- 1 CDN video delivery component provider

# Contact Info



**For more information and for interest to participate please contact:**

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**Presentation available via:**

