



# SATELLITE COMPONENT FOR 5G

## Broadband India Forum

November 20 & 21, 2018

**ThalesAlenia**  
*a Thales / Leonardo company* **Space**



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2018

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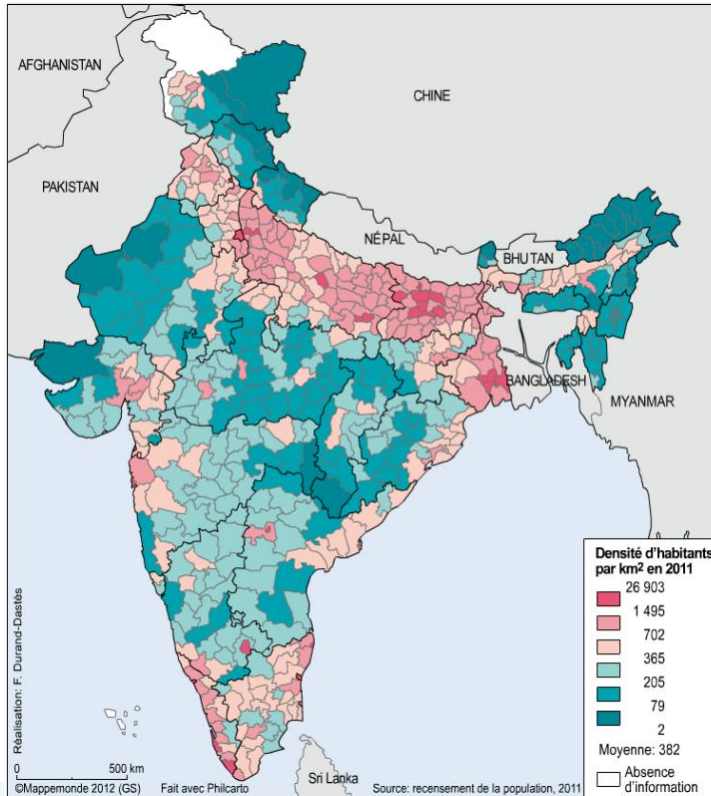
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THALES ALENIA SPACE OPEN

## The perceived opportunity for satellite components in 5G: reachability



# The benefits of the integration of a satellite in the 5G system in India



## 🌐 Supports any type of device:

🌐 IoT, Smartphone, Indoor cell

## 🌐 Contributes covering the entire territory:

🌐 Serving every person any where

🌐 Under any economic condition, in particular in low density population areas where tower deployment is non-economically attractive

## 🌐 Increases the 5G system **Service availability**

## 🌐 Increases the 5G system **Infrastructure reliability**

## 🌐 Contributes to the **local economic development**



# A satellite access component contributing to 5G service delivery

Mission critical communications



Voice & IoT directly to end-user devices in unserved area



Indoor cells in unserved and under served areas

5G on board vessels



**Geostationary and constellation satellites component**

eMBB on board High speed trains



5G on board airplanes

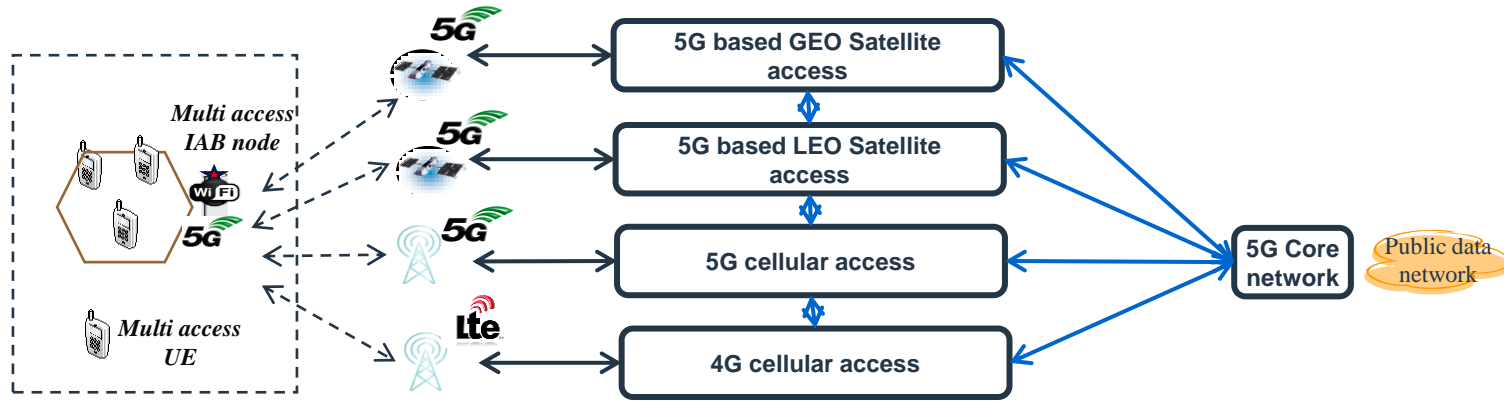


5G on board vehicles



**Provide service access to all including verticals**

# Vision of Thales Alenia Space



Seamless integration of the satellite component in the 5G system

IAB = Integrated Access and Backhaul

# THANK YOU

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