

## Kongres Container

# Africa 5G communication base station wind and solar complementarity



## Overview

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Who is involved in 5G in Africa?

There are a number of multilateral stakeholders and organisations that engage with and represent various parts of the 5G ecosystem. In Africa, these include the African Telecommunications Union (ATU), the ITU, the GSMA, Smart Africa and sub-regional digital and communications authorities.

Does Africa need a enabling policy environment for 5G?

An enabling policy environment is essential for the success of 5G in Africa. Accordingly, governments and regulators need to foster a pro-investment and pro-innovation environment to support cost-effective network rollout and the development of innovative use cases to stimulate demand.

Is 5G spectrum assignment underdeveloped in Africa?

Some countries in Africa have recently assigned spectrum for 5G services to operators, notably Nigeria and South Africa. However, 5G spectrum assignment is still underdeveloped when compared to the rest of the world.

How will 5G work in Africa?

In Africa, 5G will mostly be initially deployed using existing sites, meaning that operators may need to densify their networks to provide ample capacity in traffic hotspots in the future.

Which eMBB & FWA will be the dominant 5G use cases in Africa?

The consensus of stakeholders in the 5G Africa Survey was that eMBB and FWA will initially be the dominant 5G use cases in Africa. There is growing demand for enhanced connectivity among consumers in the wake of the pandemic, which has brought about changes in many social and work-related activities.

Will arm launch 5G solutions Labs in Africa?

Arm has ambitions to launch 5G solutions labs across Africa, starting with South Africa. Realising the potential of 5G in Africa depends on customer adoption and usage, which in turn strengthens the business case for network rollout. As with previous mobile generations, the consumer market will be an important growth driver for 5G.

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