

TECHNOLOGY IN INFRASTRUCTURE DEVELOPMENT

(Leveraging AI, IoT & Big Data for Infrastructural Transformation)

By

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Introduction

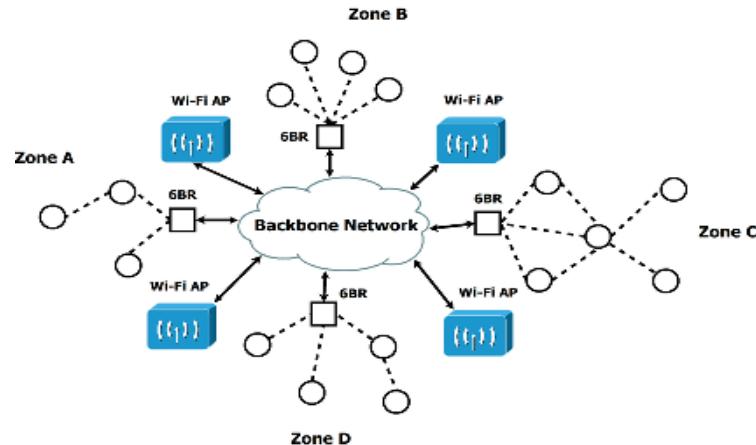
As the world moves towards converging technologies, many analysts predict that billions of devices will be connectable with an ability to drastically enhance the quality of living and change the way we experience products around us.

25 billion devices and market impact of \$4.5 Trillion by 2020, IoT is predicted to surpass the mobile phone market with about 1 Trillion devices by 2025. A supercharged workforce, paying less for smarter operation and faster innovation to beat competition

Internet of Things (IoT) is an emerging concept describing a wide ecosystem where interconnected devices and services collect, exchange and process data in order to adapt dynamically to a context.

IoT therefore will transform the way we design, deploy and utilise infrastructure and almost all the industry verticals will be touched by this transformation.

Smart infrastructure, enabled by technologies like IoT, offer numerous of advantages bringing serious cost savings and efficiencies. There are security questions too! The numerous advantages and attendant threats create opportunities for early adopters to establish themselves as leading players on a global scale



The Next Phase of Digital Infrastructure

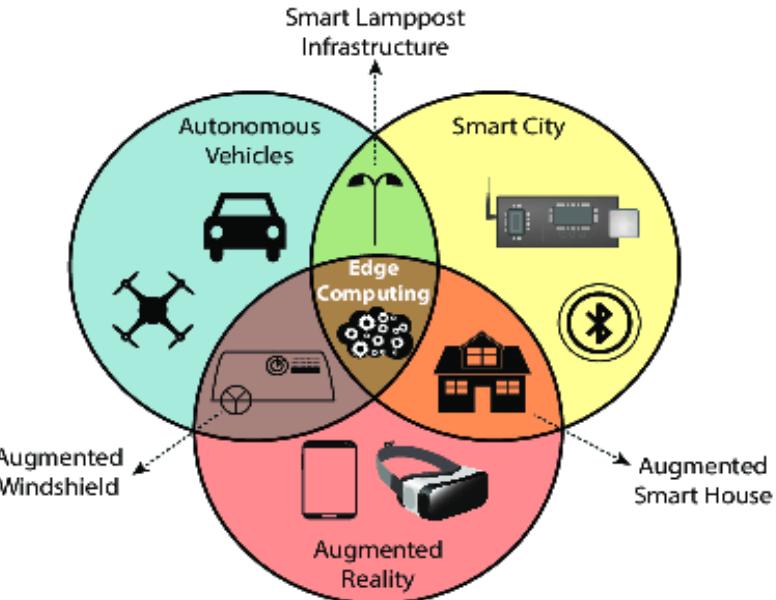
IoT and The Digital Edge

Traditional Approach

- ❖ All traffic flows through a core data center or cloud location offshore.
- ❖ Data is analyzed farther from applications they serve
- ❖ High Latency and poor/fair user experience
- ❖ High Cost for transfer of data offshore.

New Approach

- ❖ With data sets growing larger, we've reached the upper limit of how quickly we can transport them over long distance.
- ❖ Enterprises now deploy infrastructure at **the digital edge – Where the consumers are located.**
- ❖ Data is analyzed closer to the applications they serve.
- ❖ Results in Better latency and Improved user Experience.



Edge computing infrastructure will be completely deployed between 2025 and 2030 to support this digital transformation.



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A business executive with over twenty-five years of experience in Information & Communication Technology infrastructure and Project Management. His experience cuts across mobile networks, IT infrastructure, terrestrial & submarine optic fibre, Data Centres, Operations Management and Corporate Strategy.

Currently Chief Operating Officer MDXi Data Centres - the largest Data Centre business in West Africa, responsible for regional expansion programs across the region and delivering 99.999% availability and other critical business KPIs in one of the most challenging terrains of Africa. A corporate member of the Nigerian Society of Engineers (MNSE) and a thought leader in Data Centre, Telecoms and digital infrastructure ecosystem in Nigeria and West Africa. Adegbiji holds an Engineering degree from the University of Lagos Nigeria, an MBA from the Alliance Manchester Business School (United Kingdom) and a certificate in Strategy Execution from the Harvard Business School. He is an awardee of the prestigious Dale Carnegie Leadership Award in 2016.