
Building a Network for Digital Transformation



Globe

Our Vision

We see a **Philippines** where **families'** dreams come true, **businesses** flourish, and the **nation** is admired.

To do our part, we create **wonderful experiences** for people to have **choices, overcome challenges**, and discover new ways to **enjoy life**.

In everything we do, we **treat people right** to create a **Globe of good**.

At the forefront of the pandemic and the “New Normal” by providing Connectivity and Care

- Internet connectivity needs served thru Globe Mobile, Broadband, and Free GoWiFi services. Care for our frontliners has also been a part of our response to the crisis by donating PPEs, face masks, face shields and access to COVID-19 test kits

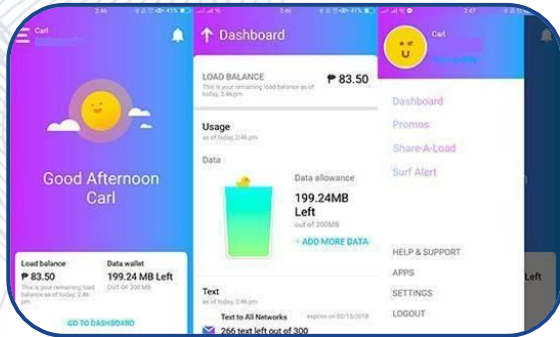


Globe helps LGUs cope with COVID-19

Pivot to the “New Normal”

The need for the Philippines to become a digital nation has never been more pronounced than during this pandemic. While the community quarantine has prompted many Filipinos to remain at home, people turned to digital technologies to cope with the challenges and continue managing their daily lives. This has accelerated the adoption and the move to digitalization at a speed that would not have been achieved under normal conditions

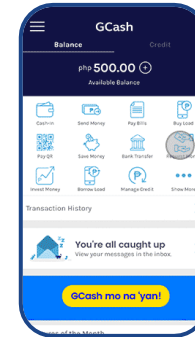
With the customers' safety, and the public in general, as its utmost priority, Globe has offered services that minimize their exposure to the deadly respiratory disease. These include digital channels such as GlobeOne, Globe At Home and GCash.



GlobeOne App



Globe At Home



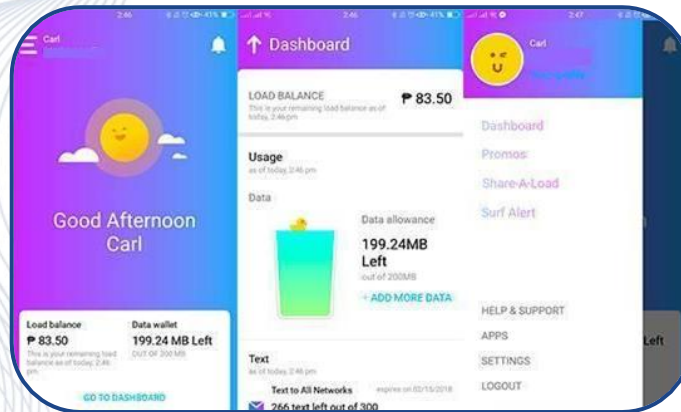
GCash



Pivot to the “New Normal”

GlobeOne App allows [Globe Postpaid](#), [Globe myBusiness](#), [Prepaid](#), and [TM](#) customers to monitor their account, track their usage, request for service modification, pay their bill, as well as monitor and redeem their [Globe Rewards](#). Prepaid customers can also purchase load and register to promos.

By using these channels and apps, **customers can track data usage, pay bills, or registering to promos, perform basic troubleshooting using the app and request for an onsite visit without leaving their homes..**



Advocates Online Education and Online Health Consultations

- Globe has ongoing consultations for possible collaboration with the Department of Education to boost Distance Learning



- Globe is one with the Department of Health to encourage Filipinos to use Telemedicine for their medical consultation needs:



Energizes Online Businesses and Cashless Transactions

- Encourages Fintech use and promotes a cashless society thru GCash to support physical distancing using online apps in conducting business in the new normal



**Government
Employees**



Citizens



Merchants



Retailers



Why Cell Sites/Towers are important?



1. Digitalization requires reliable connectivity
2. Cell sites provide enhanced signal penetration into your homes and improved Voice, Data, and SMS services
3. More cell sites results to faster internet speeds and better digital experience.

**The Philippines
does not have
enough towers
to support better
speeds and
future growth**

More Than 4,000 People Share a Single Cell Site in the Philippines

On average, the Philippines is forced to serve more internet users per cell site compared to its Asian neighbors.

1 PHILIPPINES

No. of Internet Users: **76M**

No. of Cell Sites: **17,850**

Users Per Site: **4,258**

2 INDONESIA

No. of Internet Users: **150M**

No. of Cell Sites: **96,556**

Users Per Site: **1,554**

3 VIETNAM

No. of Internet Users: **64M**

No. of Cell Sites: **90K**

Users Per Site: **711**

4 CHINA

No. of Internet Users: **802M**

No. of Cell Sites: **1.96M**

Users Per Site: **408**

5 INDIA

No. of Internet Users: **560M**

No. of Cell Sites: **558,631**

Users Per Site: **1,002**

Reference: Data from Q3 2019 reports of TowerXChange, and We Are Social 2019 country reports.

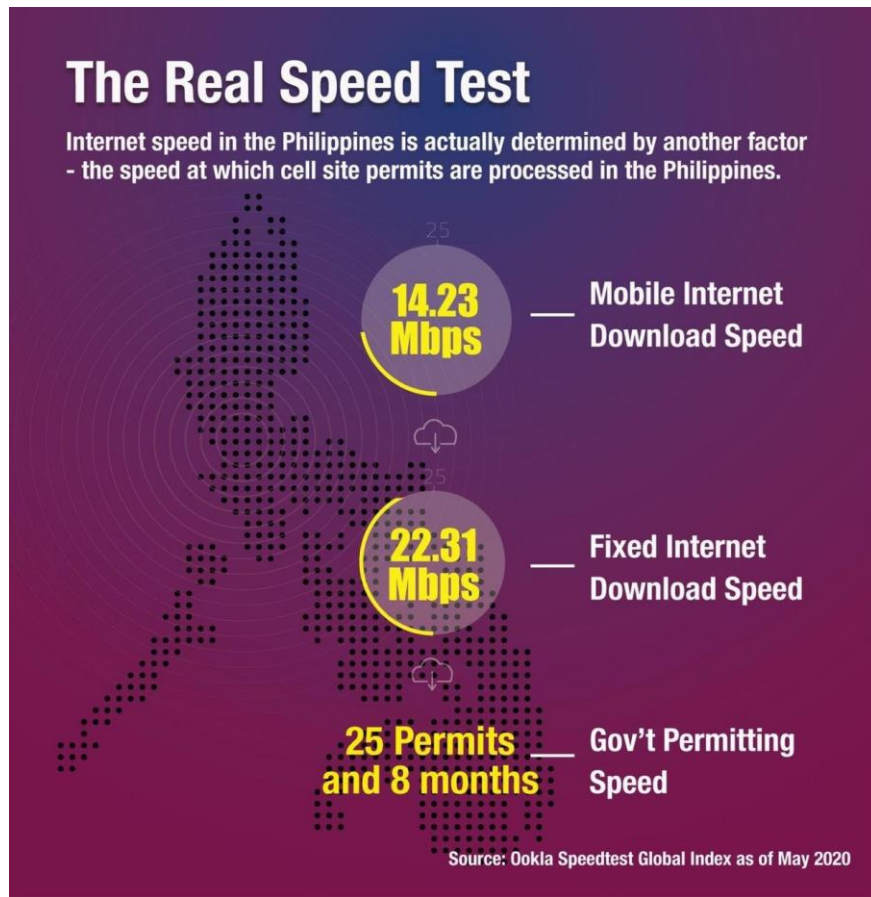


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Comparison of three Philippine Cities

Data Experience	Good data experience	Moderate data experience	Uplift experience
Number of Sites	33	31	16
Additional sites to needed to make great data experience	13	27	22
Land area population	Small land area w/ small population	Medium-sized land area but with big population	Large land area but with medium-sized population

The Telco Industry Requests Faster Permitting to put the Philippines up to “Speed” with our neighboring Asian countries



The FACTS about cell sites



No health risks from cell towers

"Studies to date prove no indication that environmental exposure to RF (Radio Frequency) fields such as from base stations, increases the risk of cancer or any other disease."

- World Health Organization, October 2015



World Health Organization



low RF

Like FM radio waves, and visible light, they are forms of non-ionizing radiation. This means they **cannot** cause cancer by directly damaging DNA.



Why does INCIRP classify cell tower radiation as 2B - Possibly Carcinogenic if it is not cancerous?

Radio Frequencies from cell sites are already placed below the "ban" category which means it is deemed **safe**. RF from cell-sites are rated "2B" which peanut butter and talcum powder, basic cleaning household chemicals are also included.

Did you know...



The intensity of RF radiation from cell sites are less than 1/1000th of those from mobile phones and are generally much less than from local radio and TV stations.²



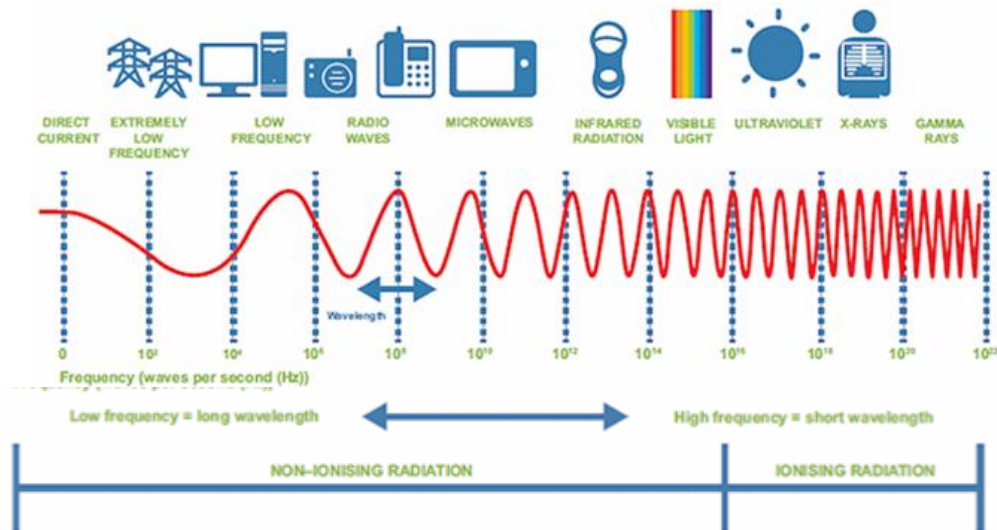
The Department of Health (as commissioned by the NTC) controls and grants permits to install cell towers and makes sure telcos abide by set standards through close monitoring after installation.



Many public venues, like theme parks, hospitals, schools, and offices globally have cell sites and distributed antenna systems situated in their immediate area.

The Electromagnetic Spectrum

shows that non-ionizing items such as televisions, radios, cellphones and cell towers are not dangerous compared to the ionizing infrared, ultraviolet rays (tanning stations), x-rays, and of course gamma rays (nuclear).



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How do we solve our tower density challenge

Current Challenge	Internet Access Method	Current Constraints	Solutions
"Slow Internet" 	MOBILE INTERNET (Using mobile devices, "pocket WiFi" devices, etc.)*	Low cell site density to support "mobile data traffic and high speed internet" Permitting challenges as permits for one cell site take at least 8 months to acquire Despite difficulty in putting up cell sites, HOAs can easily have the sites removed Alleged health risks are never substantiated but continue to be a main reason for rejection Right of way issues for fiber and broadband (underground, pole erection and attachments)	Minimize the number and faster approval of permits for cell site, fiber, and broadband builds from the Government - aligned with the EODB Law Seek support from the LGU to request the citizens to support cell site builds Seek Government support to enable the telecommunications sector to do infrastructure builds Integrate ICT connectivity in urban planning similar to water and electricity

There is no reliable Mobile Internet Benchmark. Only by 2Q2016 has Akamai Technologies published mobile internet speed results for PH



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**Thank you and together, let's recreate
wonderful.**
