



# #MOVE: Accelerate Towards Digital Advancement

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# The Facts | PLDT Group (Q1 2019)



**6.7 Million**  
Broadband Subscribers



**63.4 Million**  
Mobile Subscribers



**10 Data Center**  
Purposely Built  
9,150 Rack Capacity Portfolio



**9.99 Tbps**  
Total DFON  
Operating Capacity



**259,000K FOC**  
Total Cable kilometer



**2 Tbps**  
Internet Capacity



**P78.4 Billion**  
CAPEX for 2019



**5 Tbps**  
Consolidated  
International Capacity

# The Facts | Smart (Q1 2019)



30,100 Cellular  
Base Stations



3,142 Fixed  
Base Stations



18,000 LTE Sites



12,100 3G sites



OpenSignal  
Fastest Network  
In the Philippines



Speedtest  
Fastest Mobile  
Award



First to develop  
5G Smart City  
in the Philippines

# Smart 5G Launch

Clark



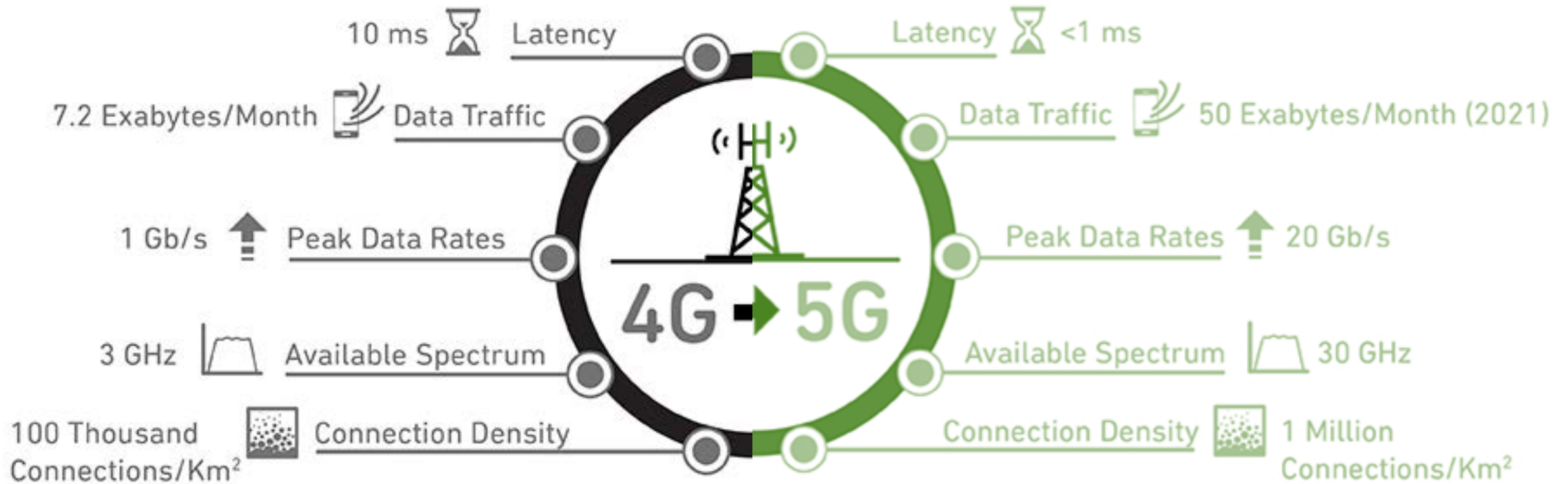
First 5G Videocall



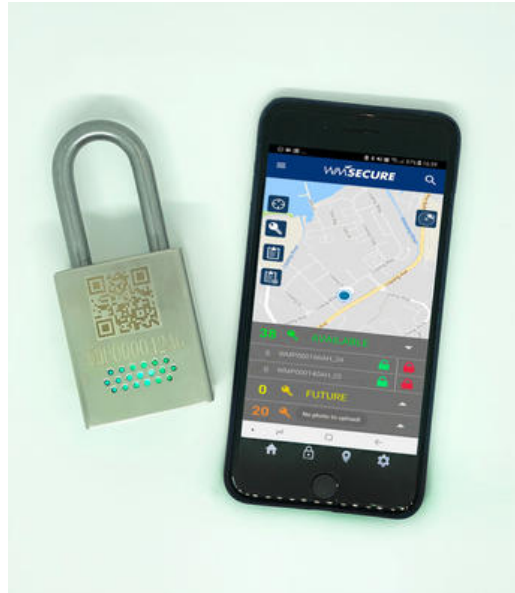
Makati



# LTE vs 5G



# 5G Application for the Logistics and Transport



# The Rise of E-commerce

SEARCHED ONLINE  
FOR A PRODUCT  
OR SERVICE TO BUY



we  
are  
social

90%

VISITED AN ONLINE  
RETAIL STORE ON THE  
WEB (ANY DEVICE)



global  
web  
index

92%

PURCHASED A  
PRODUCT OR SERVICE  
ONLINE (ANY DEVICE)



global  
web  
index

70%

MADE AN ONLINE  
PURCHASE VIA A LAPTOP  
OR DESKTOP COMPUTER



global  
web  
index

38%

MADE AN ONLINE  
PURCHASE VIA A  
MOBILE DEVICE



57%



# Why invest in digitalization and automation?

Present industry challenges cannot be tackled with past best practices

## Meeting Customer Needs

**Supply chain transparency**  
Customers want info and visibility of their goods at all times

**Tough SLAs**  
Customers demanding tough SLA compliance which cannot be attained with past processes

## Decreasing operating costs

**Staying competitive**  
Cost still strongest selection criteria for customers

**Rising fuel cost**  
Offset of cost required to mitigate fuel prices

## Increasing efficiencies

**Faster turnaround time**  
Optimal route selection and reducing idle time in supply chain

**Flexible operations**  
Adaptable demand-supply planning needed to adapt to customer business requirements

**REGULATORY COMPLIANCE**

## Meeting Customer Needs



**INTERNAL COMMUNICATION**



**CELLULAR LOAD AND CASH ALLOWANCE DISBURSEMENT**

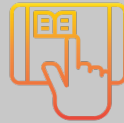


**EMPLOYEE MANAGEMENT PLATFORM**

## Decreasing Operation Cost



**SMART TRACKER**



**POWERFORM**



**ENTERPRISE RESOURCE PLANNING**

## Increasing Efficiencies



**Auto-failover**



**HELPDESK SUPPORT PLATFORM**

- *CONTACT CENTER AS A SERVICE (CCaaS)*
- *CLOUDLINE*



**EXTERNAL COMMUNICATION**

- *SMART MESSAGING SUITE*
- *SMART POSTPAID*

**Cyber-Security**

**Reliable Connectivity Fiber and 4G (soon on 5G)**



# Cybersecurity Threats in Numbers

## Top 5

The Philippines is a magnet for online threats, landing as among the top five countries in the world in terms of internet-borne attacks.

## \$3.5 billion

Potential economic losses in the Philippines due to cyber-security incidents can hit a staggering

## \$7.5 million

The financial loss a large-sized organization in the Philippines can possibly incur, more than 200 times higher than the average economic loss for a mid-sized organization (\$35,000)

# Securing Physical and Cyber Assets

In June 2017, A.P. Moller – Maersk fell victim to a major cyber-attack caused by the NotPetya malware, which also affected many organizations globally.

**USD 300M** financial loss



# Cyber Threats TODAY

The New York Times

## *Yahoo Says Hackers Stole Data on 500 Million Users in 2014*



The announcement of the breach at Yahoo comes as Verizon Communications moves forward with its \$4.8 billion acquisition of the company. Mike Blake/Reuters

### **Yahoo! 2014**

500 million accounts

Names, emails, birthdays, telephone numbers

The New York Times

## *Target to Pay \$18.5 Million to 47 States in Security Breach Settlement*



Target's headquarters in Minneapolis. A settlement by the company ended an investigation into how the data of millions of customers was compromised in 2013. Glen Stubbe/Star Tribune, via Associated Press

### **Target 2013**

40 million credit/debit cards

Names, phone numbers, card numbers



### **Multinational Sports Retailer 2018**

150 million app users

E-mails, login information (encrypted)

# ePLDT Security Operations Center-as-a-service





**Cargo Security is still  
a worldwide problem**



# SETTING THE INDUSTRY STANDARDS

FOR INNOVATIVE AND HOLISTIC  
ACCESS MANAGEMENT CONTROL SYSTEMS.



## TRUE KEYLESS SOLUTION

Enterprise Smart Locks are operated without the need for any physical keys or 3rd-party mechanisms.



## SMART ACCESS CONTROL MANAGEMENT SYSTEM

Intelligent yet simple platform.  
Able to support enterprises  
of any scale.



## TRACKING WITH FULL AUDITING CAPABILITIES

All transactions are logged for  
accountability and traceability.



## SECURE & CONVENIENT

Enterprise Smart  
Locks' Operation via  
Bluetooth ensures assets are  
accessed only by authorised  
personnel.



## MOBILE & WEB PORTAL ACCESS

Authorise and Secure Smart  
Lock digital tokens easily via  
web portal or Android/iOS  
mobile phones



## DATA ANALYTICS

In-built engines allow  
easy generation of  
daily/weekly/monthly  
data reports.



# Our Software

## Access Control Management System

### KEY FEATURES

#### Multi-tenancy:

Determine the person in charge and role  
Assign the person in charge to oversee,  
grant, approve access  
Customize the report  
to track actions

#### Access Permission:

- Infinite Admin
- Access Repeating
- Task Access
- One Time Access
- Request Access
- Pre/Post Pictures
- Pre/Post Reasoning



#### Off-line Mode:

- Allow/disallow offline mode per tenant
- Customize the offline duration

#### Multi-visitors trackers:

- Check-in/ Check-out functions.
- Allows managers to record who exactly on sites, stop paying for no-show

#### Device locks:

- Stop users from switching devices.
- Allow managers to be in control of accounts log-in

