5 THINGS YOU NEED TO KNOW ABOUT IOT IN CHINA

As part of its push towards expanding its IT cloud services, China plans to become a major player within the Internet of Things (IoT) market.

By 2020, there'll be 200 billion IoT connected devices worldwide, with 95 percent of these manufactured in one place: China.

To support this growing trend in IoT, 34 percent of Chinese telecom companies have implemented IoT initiatives and 40 percent plan to do so in the next 12 months, compared to 23 percent and 26 percent, respectively, among their global peers, according to Forrester.

> Here are a few fascinating insights into the ongoing development of the IoT in China:



The overall IoT market in China will rise to \$361 billion in 2020 from \$193 billion in 2015. The applications for IoT technologies by both businesses

and consumers are growing:



Energy:

The Chinese government is aiming to ensure that 95 percent of China's households will have a smart meter installed by 2017.



Retail:

95 percent of small merchants in China still do not use any sort of point of sale system.



Beijing TransWiseway and IBM are partnering to design an IoT platform to

in China adding \$22 billion in productivity.

connect millions of vehicles



Consumers:

The market size of wearables in China reached \$2.6 billion in 2016, up 70.2 percent year on year.



the Most From China's IoT. Chinese internet technology can help

Manufacturing Stands to Benefit

manufacturing in several ways:



China is the world's largest Machine-to-Machine

(M2M) market by number of cellular connections,

with almost a third of the global base. GSMA

forecasts that connections will grow by 29 percent annually to 336 million in 2020.



analytics to China's industrial sector. Both parties are also collaborating in cloud-based image storage, telemedicine applications, advanced manufacturing and cloud computing.



Manufacturing, public

services and resource



industries are expected to account for over 60 percent of the IoT's GDP impact by 2030.





backed smart city projects in 202 cities across China. China's internet policy, including the Internet Plus Roadmap,

will enhance various industries with:

China's IoT Progress is Backed

By Its Internet Plus Roadmap.

The Chinese government has made \$1.6 billion available in grants and loans for IoT projects in 2015, and has already

Big data Cloud



Mobile









IoT

development investment. **China is Expected to Have Nearly 5 Billion Connected Devices by 2020.**

Internet Plus will

5.6 billion of those

devices will be mobile.

outpace both Europe and North America.

add \$4.4 billion to

China's research and





Asia-Pacific's **5 BILLION** mobile market will

Potential market revenues could reach \$180 billion.



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budgets for Chinese companies neared \$8 million this year, significantly higher than the global average of \$5.1 million, according to PwC.

Information security



Under the new law,

network operators

will need to verify the

identity of users when



Security is a Top Priority.

incidents on average in



Large Chinese used for DDoS attacks companies responded to more than 1,200 information security



and weak default/

admin passwords

are the source of the providing services. 2016, five times higher vulnerability. than 2015.

narrow-band IOT (NB-IoT) coverage using the 800MHz band by mid-2017. Furthermore, to speed commercial adoption, China Telecom is actively partnering with numerous leading global and local IoT innovators; these partnerships intend to develop and deploy high-performance connectivity management, as well as provide the systems integration services needed to power a wide range of connected devices spanning the retail, automotive,

In addition to provisioning the internet service across 80 percent of China which makes IoT possible, China Telecom is investing heavily into converged IoT infrastructure and plans to have nationwide

> For detailed information on China Telecom's IoT initiatives, please visit www.ctamericas.com/iot

home appliance and wearable sectors.

