Mobile private networks (MPNs) will connect over 150 million cellular IoT devices by 2030

Transforma Insights continues to shine a light on emerging areas of the IoT market, in this instance the opportunity in mobile private networks (MPNs).
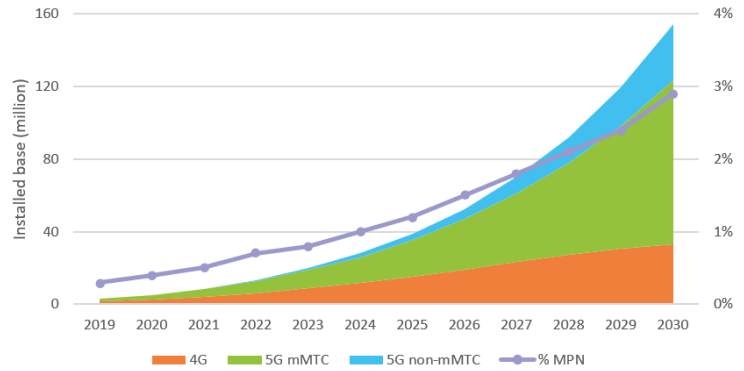
LONDON, UNITED KINGDOM, October 20, 2020 /EINPresswire.com/ -- Transforma Insights today released its forecasts for private network connectivity for IoT for 2019 to 2030, illustrating one of the most dynamic areas of IoT connectivity. Private networks are, of course, already in widespread use with short range technologies such as WiFi and Zigbee currently accounting for around 70% of all connections. What is relatively new is the use of private networks using wide area technologies such as 4G and 5G.

At the end of 2030 Transforma Insights expects that there will be over 150 million cellular devices connected to on-premise private networks, up from 3 million at the end of 2019. As a proportion of all cellular devices this represents a growth from 0.3% to 3%

Mobile private network connections by generation 2020-2030 [Source: Transforma Insights, 2020]

Private network share of cellular IoT connections [Source: Transforma Insights, 2020]

of all connections. Today the majority of these devices are LTE but over the forecast period, the balance shifts towards 5G, particularly in the form of mMTC Low Power Wide Area devices.
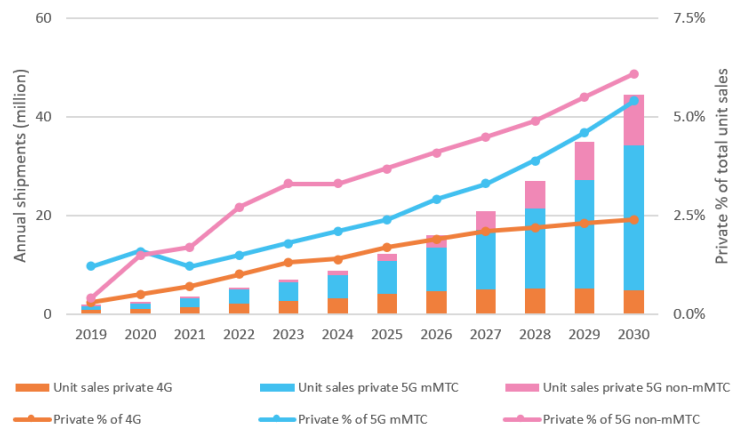
This changing trend is best illustrated by looking at device sales. At the end of 2019 just 0.4% of the 406 million global cellular IoT device sales were destined to be connected to private cellular networks. That compares to almost 5% at the end of 2030. The figures for 5G (non-mMTC) are

even more pronounced, with over 6% of shipments in 2030 accounted for by private networks.

The Forecast Database contains highly granular information for every country in the world, 20 vertical sectors and 67 different applications, allowing for highly targeted analysis. The biggest vertical in terms of number of unit shipments in 2030 will be Agriculture, which particularly makes use of private mMTC networks, followed by Manufacturing and Transportation. The biggest use cases will be Agricultural Monitoring, CCTV, Asset Tracking and Inventory Management. The top region for MPN is North America, followed by China and Europe, with Australasia making a strong showing in fourth place.

Join our webinar to find out more
To find out more about the Transforma Insights forecasts, join us for a webinar "Forecasting the IoT market opportunity 2019-2030" on 2nd November 2020 at 08.00 Pacific, 11.00 Eastern, 16.00 GMT, 17.00 CET.

About the Forecast
The forecasts presented here are taken from Transforma Insights' Total Addressable Market (TAM) Forecast Database. The TAM Forecasts provide our quantitative view of the market opportunity associated with Digital Transformation and all of the associated technologies.

The IoT Connected Things forecasts presented are based on an extensive and highly granular research methodology, which involves analysing over 300 combinations of application and vertical across each of 196 countries.

The TAM Forecast Database presents forecasts from 2019 to 2030 for Revenue Generating Units (RGUs), connected devices, annual shipments and revenue across 20 use cases, 67 application groups, 20 vertical sectors and 198 countries. Device and shipment forecasts include technology splits between cellular (2G, 3G, 4G, 5G), LPWA (5G mMTC and non-mMTC), satellite, short-range and other. Revenue splits between hardware (module and non-module) and recurring (connectivity and service wrap).

About Transforma Insights
Transforma Insights is a leading research firm focused on the world of Digital Transformation (DX). Led by seasoned technology industry analysts we provide advice, recommendations and decision support tools for organisations seeking to understand how new technologies will change the markets in which they operate.
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