

26/1/2022

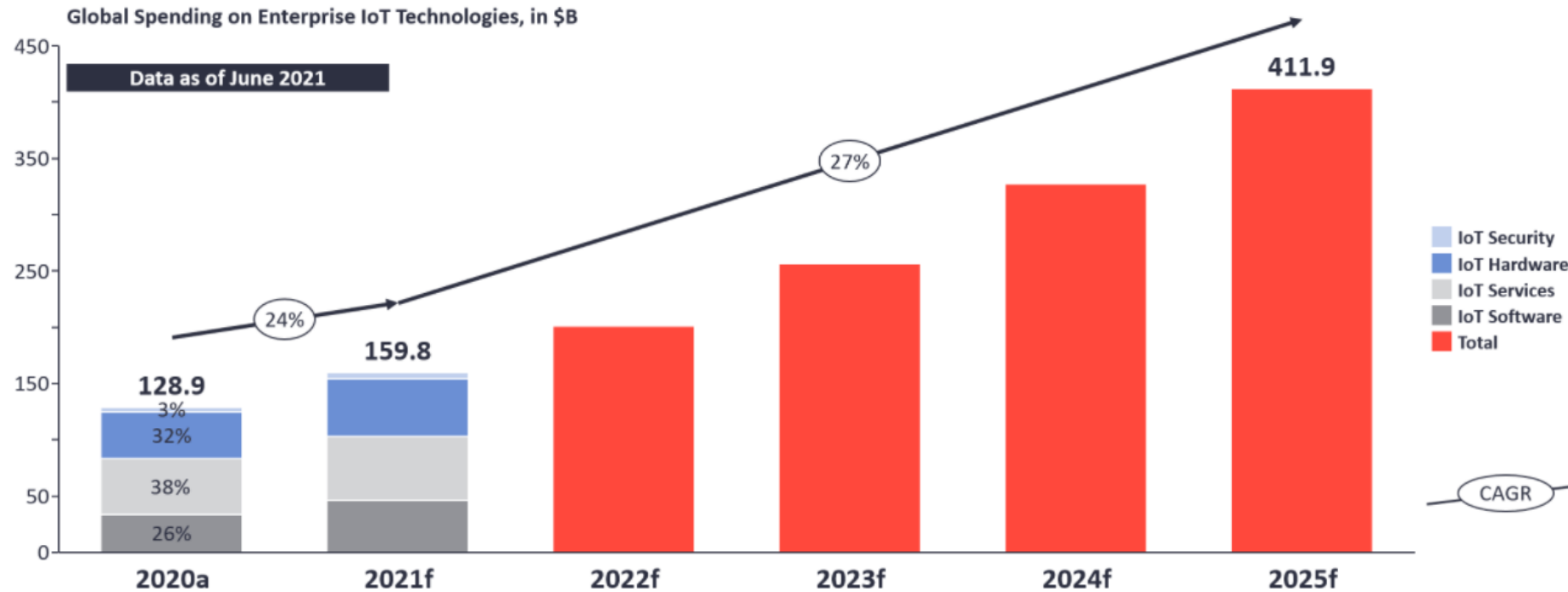
MDBC Outlook 2022



How **IoT** is transforming businesses today



IoT Enterprise Spending 2020 – 2025



Note: IoT Analytics defines IoT as a network of internet-enabled physical objects. Objects that become internet-enabled (IoT devices) typically interact via embedded systems, some form of network communication, or a combination of edge and cloud computing. The data from IoT-connected devices is often used to create novel end-user applications. Connected personal computers, tablets, and smartphones are not considered IoT, although these may be part of the solution setup. Devices connected via extremely simple connectivity methods, such as radio frequency identification or quick response codes, are not considered IoT devices. . a: Actuals, f: Forecast
Source: IoT Analytics Research 2021

Key Insights

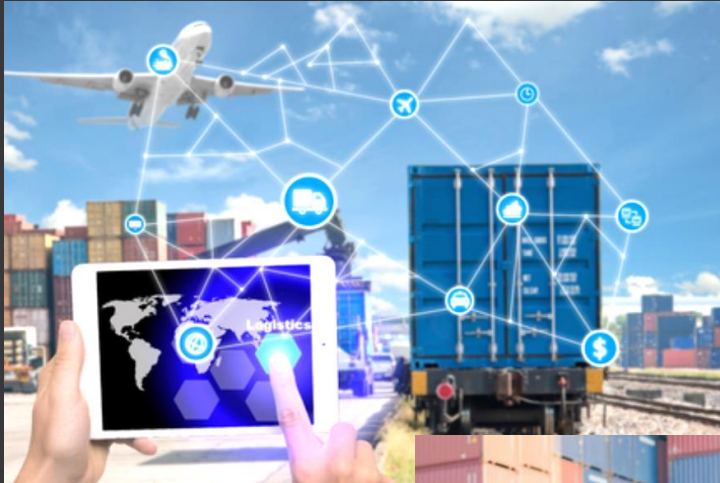
- Overall enterprise Internet of Things (IoT) spending grew 12.1% in 2020 to \$128.9 billion.
- Asia-Pacific (APAC) saw the fastest growth (17.0%), followed by North America (14.9%) and Europe (9.7%).
- 2021 IoT spending for enterprises is expected to grow 24.0% in 2021.
- Beyond 2021, it is expected that IoT spending will grow at 26.7% annually.



IoT in Logistic

Logistic industry achieve efficiency and improve productivity

- Real-time tracking of vehicles
- Predictive maintenance and reduce downtime for fleets
- Temperature cargo is delivered promptly and effectively
- Accurate data collection for demand forecasting



IoT Powered Digital Ecosystem Transforming Logistics Industry



Fleet Management



Web & mobile based dashboard to monitor and track all vehicles trips, fuel, maintenance costs and reports

Vehicle Tracking



Maximise visibility of assets with real-time location tracking

Securing Assets



Allow access for authorised personnel of designated assets

Inventory Tracking & Management



Monitor/alert on movements of assets in the inventory system.

Driver Management



Track driver's scoring based on driver driving behaviour

Vehicle Monitoring



IoT sensors with real-time monitoring and alerts for cold-chain assets

Smart Access & Parameter Control



Seamless access for personnel, customers and vehicles with smart cameras

Fieldworkers Ruggedised Devices



Upgrade to water-resistant and shock proof devices for fieldworker





IoT in Manufacturing / Distribution

IoT can help manufacturing industry to improve

- Automate and optimize operation efficiency
- Enhance product quality and reduce wastage
- Improve decision making process
- Enhance forecasting and predictive maintenance



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