





Impact of today's multigenerational workforce

For the first time in history, five generations are working together, with millennials and Gen Z workers exerting influence on employers' technology and device investment choices.

Asia Pacific (AP) organizations are creating policies and changing business models to suit today's younger workers who prefer mobile-digital channels.





1946 - 1964



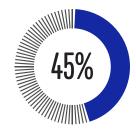
1965 - 1982



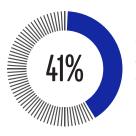


Millennials

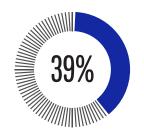
Generation Z



of organizations recognize the need to bring changes in the workspace, work culture, and technologies.



of organizations are making policy changes that are millennial-friendly.



of organizations have increased or are planning to increase more flexible work options.



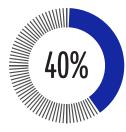
Case example: Tata Steel

This Indian conglomerate has implemented several policies, including implementing new technologies and increased digital communication, to attract millennial and Gen Z talent.

Organizations are also deploying new workspace practices

These trends further reinforce the need for better connectivity and remote collaboration technologies.





of AP enterprises have increased or are planning to increase flexible working and anytime-anywhere working policies.

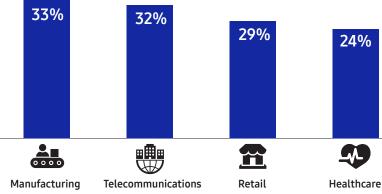




of AP enterprises have already started embracing the coworking/shared working spaces culture and have started shifting their employees to shared workspaces.

Coworking is a rapidly growing trend, driven by competition to spearhead innovation and boost talent attraction and retention.

Industries embracing shared workspaces culture





Case examples

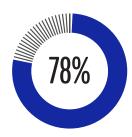
Large organizations such as Tata Motors, HSBC and Amazon are also using coworking spaces.

Mobile-PC Convergence

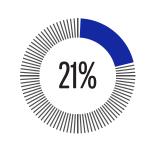
Mobile-First Strategy

Future workforce comprising humans and machines

The future workforce will increasingly be a mix of humans and bots working together. Artificial intelligence (AI), AR/VR, and robotics are augmenting, enhancing and expanding human capabilities to enable human and machine collaboration like never before.



of AP organizations agree AI and cognitive systems such as robotic process automation (RPA) and bots are most important to drive topline revenue growth in the next 2-3 years.



of AP organizations have deployed chatbots.





Case example: HDFC Bank



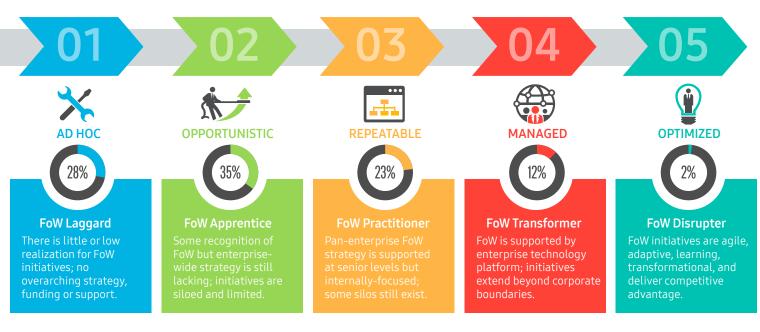
Since its launch in March 2017, HDFC Bank's Al-based chatbot Eva has addressed over 1.2 million customer queries across multiple channels.

Mobile-PC Convergence

Mobile-First Strategy

Majority still navigating the future of work

FoW transformation initiatives are well underway in AP organizations, but it is still early days. Significant gaps remain as organizations struggle to create a strategy that overcomes silos of innovation to deliver superior customer experience and retain the best digital talent. More than half of AP organizations are still in the early stages of FoW maturity.







Case example: Mitr Phol Group

Mitr Phol Group embarked on a digital transformation (DX) journey to change its agricultural business and to establish its leadership in Thailand's sugar and bio-energy industry. In line with Thailand's 4.0 initiative, Mitr Phol implemented new technologies to support its agricultural business models and enforced policies that quide its digitalized operations and talent management.

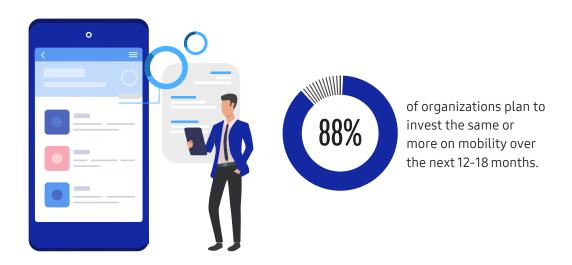
Workforce Mobility Mobile-PC Convergence Mobile-First Strategy Recommendations

As organizations plan their future of work journey, mobility is pervasive

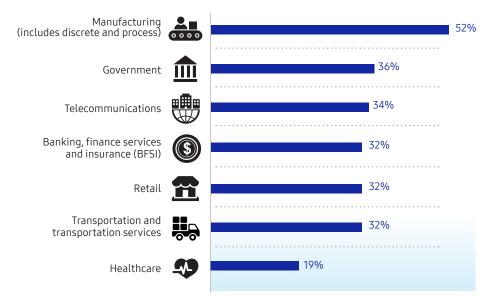
With the advent of technologies and constantly changing workspace demands, mobility is considered as a pivotal facet of the FoW. The demographic shifts, changing workspace practices, and nature of work demands anytime, anywhere working policies. Organizations are increasingly adopting and implementing mobility solutions as they see mobility as one of the key initiatives to gain a competitive edge as they plan their FoW strategy.

Running the modern business on mobility and devices

AP mobility solutions spending is expected to grow.



Top industries already implementing enterprise mobility solutions



Corporate-liable (CL) device deployments are gaining favor over individual-liable device deployments in enterprises. While bring your own device (BYOD) helps reduce cost, corporate liable devices - with the help of mobile device management - enables IT administrators to easily control and manage an organization's diverse set of mobile devices.

Customer

engagement

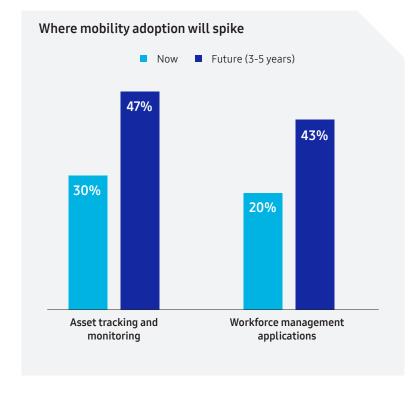
Thai retailers turn to mobile for better customer experience

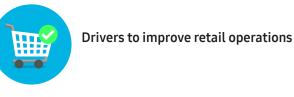
Retailers in Thailand are utilizing mobile capabilities as solutions to focus on productivity gains and to drive their overall

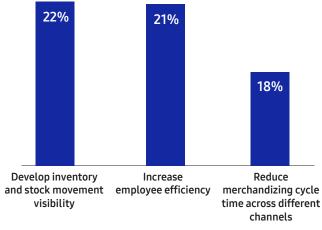
digital transformation efforts.

Thai retailers have deployed mobile tech for:









Thai retailers have plans to invest in ERP software, to manage the entire retail operations in a single integrated system, which includes:



Managing employees, suppliers and warehouses



Point of Sale system



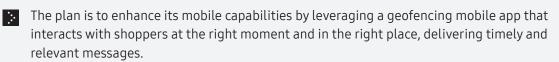


Case example: Big C

Access information

and dashboard





Workforce

Mobile-PC Convergence

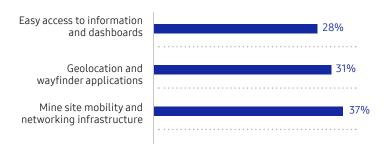
Mobile-First Strategy

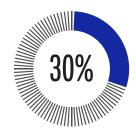
Australian miners eye new digital capabilities

Australian miners rely on mobile phones to collect and assess data, which enable safety tracking and manage operations and

assets in real time.

Mining companies' top priorities:





of mining companies will have workforce strategies for the delivery of dynamic and real-time work allocation across optimized people/ machine (cobot) systems by 2024.

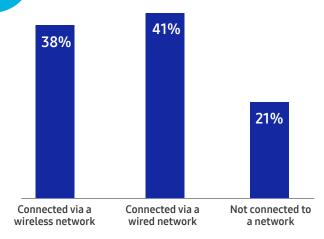
Deployment of mobile technology



51% of mining equipment across fixed and mobile equipment are instrumented (i.e., have programmable logics controllers and distributed control systems).

The number 1 priority for companies was to improve mobility of business processes and reduce the overall cost structure.

Drivers to improve mining operations



Benefits of gaining digital capabilities:



To automate equipment

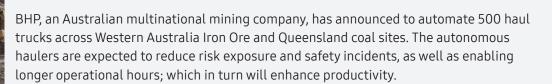


To create operational visibility through data



To create agile mining operations that will enable responsiveness through the execution of the mine plan and the flow of all the related activities across the organization

Case example: BHP (formerly BHP Billiton)





Workforce Mobile-PC Convergence Mobile-First Strategy Recommendations

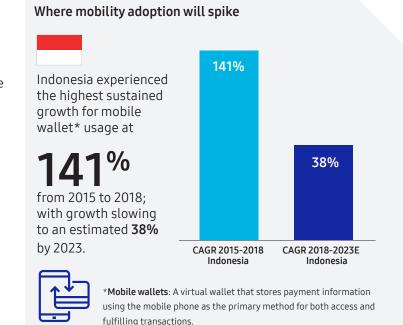
Indonesian financial institutions seek payment innovation

Fintechs are driving adoption of mobile wallets in Indonesia to deliver a convenient, secured, and user-friendly experience to customers.



have invested on mobility, cloud and analytics to drive

Bank Negara Indonesia (BNI), Bank Rakyat Indonesia (BRI), Bank Mandiri and Bank Tabungan Negara (BTN) have collaborated with Telkom Indonesia and Pertamina to launch "Link Aja." The QR payment platform will enable users of Alipay and WeChat to transact in the country, taking into account the large inflow of Chinese tourists in Bali in recent years.





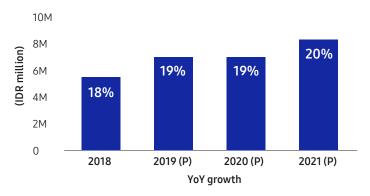
Case example: Bank BTPN - A MEMBER OF SMBC Group

- Its Jenius App is banking reinvented for customers to have a full control in managing life and finances in a simpler, smarter, and safer way - all from a smartphone. This is aligned to its vision to become Indonesia's first life finance application and maintaining its customer-centric value.
- 12,000+ customers used the Jenius App in less than two months after its launch, which contributed to more than 26,000 added transactions.



Drivers to improve FSI operations

Finance sector spend in IT services - 2H18





of Indonesia's GDP will be digitalized, with growth in every industry driven by digitally-enhanced offerings, operations, and relationship by 2022.



of all IT spending will be on 3rd Platform technologies, as over 50% of Indonesian enterprises build "digital-native" IT environments to thrive in the digital economy by 2022.

Note: Finance includes banking, insurance, securities and investment services.

Workforce Mobility Mobile-PC Convergence Mobile-First Strategy Recommendations

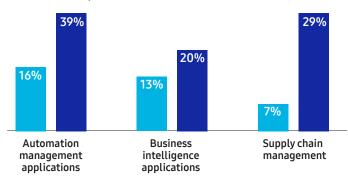
Malaysian manufacturers implement automation platform

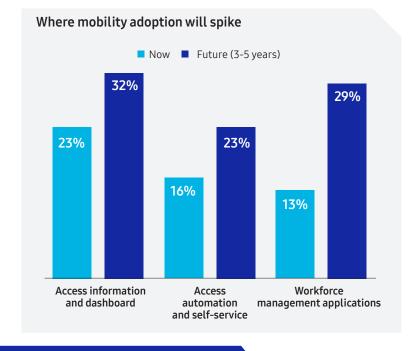
Malaysian manufacturers are opening up on mobility adoption, especially in areas including automation and transformation of their business

processes, accessing information, and managing workforce applications.

Digital transformation (DX) journey

- ► Manufacturers are looking to implement smart manufacturing and explore platform solutions that will facilitate automation within their manufacturing plants using RPA* and IoT technologies.
- ▶ In 2017-2022, we will see increase in:



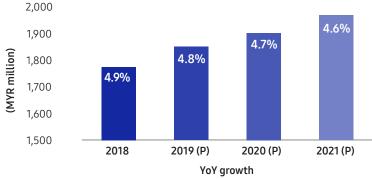


Case example: Smart Modular Technologies

Smart Modular Technologies (manufacturer and supplier of electronic subsystems to original equipment manufacturers [OEMs] in the computer, industrial, networking, telecommunications, aerospace and defense markets) has deployed collaborative robots (cobots) in Penang, Malaysia. The company uses AI-based systems to spot product defects. Using cobots, the company has automated the testing capabilities. The cobots automatically spots defective products and remove them from the production line before it reaches the packaging station.

Drivers to improve manufacturing operations

Manufacturing and resource sector spend in IT services





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^{*} Robotic process automation (RPA) is a class of software designed to automate or augment manual repetitive tasks. Those tasks may be individual tasks executed by a knowledge worker outside the context of a business process or may replace a task that is currently manually performed by process participants in an enterprise application or a custom business process.

IDC FutureScape: Worldwide IT Industry 2019 Predictions — Malaysia Implications

IDC's 2H18 Country Report on IT Services – Malaysia (May 2019)

IDC's Southeast Asia — Digital Models Creating New Growth: How New Digital Platforms Are Shaping Lifestyles (May 2019) https://futureiot.tech/collaborative-robots-ai-to-support-industry-4-0-ready-manufacturing-facility-in-penang/

Enterprise mobility to further drive business outcomes



AP organizations continue to embrace and implement enterprise mobility solutions to maximize the opportunity it presents.



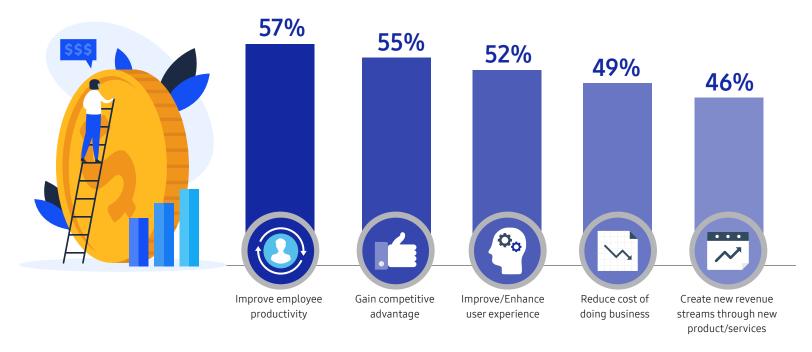
of organizations have already implemented enterprise mobility.



of organizations are planning to implement enterprise mobility in the next 12-18 months.

Enterprise mobility enables anytime, anywhere working; giving rise to the always-connected worker. However, mobility has moved beyond BYOD/choose your own device (CYOD) discussions.

Key outcomes driving mobility investments



Leading organizations are focusing on mobilizing business processes and workflows to drive business outcomes as smartphones become more powerful, and faster networks enable truly anytime, anywhere experiences.

Mobile-PC convergence will enable smartphones to take on new roles and workflows in the enterprises

As the mobility focus shifts toward mobilizing workflows and business processes, this will proliferate the adoption of smartphones as the preferred choice for 3-in-1 device.

of global enterprises will be testing smartphones as their company's singular IT-supported 3-in-1 device* and 15% will have adopted it already by 2021.

For AP, 4% of enterprises have already deployed smartphones as their company's 3-in-1 solutions. While the percentage of smartphones as singular 3-in-1 device for AP is low, the number of mobile apps and use cases will only increase with ubiquitous connectivity.



of organizations are using employee/partner facing mobile apps.





Case example: Chicago Police Department

Chicago Police Department is running a pilot of Samsung's DeX in Vehicle Solution, which enables the officers to dock their Galaxy smartphones to get access to all policing application including computer-aided dispatch (CAD) and other systems to run background checks. Using their smartphones, the participating officers can also immediately attach photo and video evidence to their reports.

^{* 3-}in-1 device is a device that replaces or takes on more of the tasks that have traditionally been performed on a PC or laptop.

Empowering the workforce raises security concerns

A majority of organizations have already instituted a BYOD policy, which now includes new connected devices like AR/VR headsets, wearables, smartwatches, and so on. The adoption of these devices is likely to grow in 2020. The increasing connected endpoints with diverse devices entering the enterprises also raises security threats.



50% of AP organizations

are willing to deploy unified endpoint management (UEM) solutions to manage and secure their diverse devices from a single pane of control.



- Organizations are required to build ubiquitous mobility platform stressing on an all-in-one device approach.
- Deploy UEM to manage diverse device and OS types and protect critical data from a single pane of control.

Mobility

A three-phase approach for a mobile-first strategy





Mobile friendly

A separate device type for desk and mobile work. Complex computing tasks are majorly done on laptops and PCs, while mobile phones are used only for non-complex tasks like checking emails, setting up calendars, and others.



Mobile ready

A mix-environment where smartphones co-exists along with other computing devices like laptops and PCs. However, critical applications are slowly ported on to smartphones using docking system that offers a multidevice experience to users.



Mobile only

Smartphones to replace laptops and desktops to deliver a complete computing solution — one that not only offers performance and applications but also addresses the security concerns of the enterprise.



Mobile-PC Convergence

Mobile-First Strategy

Recommendations

Essential guidance

FoW should be considered as an opportunity to deliver experiences for both employees and customers alike. In order to provide superior experiences, it is critical to empower your workforce. The following points can help organizations support their vision for the empowered future workforce:



Evaluate carefully the current state of workplace and worker strategies, policies, procedures, and technology infrastructure to develop an FoW roadmap.



Use the roadmap to clearly define an FoW strategy and ensure that it is not siloed to individual business units, locations, or functions.



Create an agile architecture, which is easy to scale up and is flexible to accommodate new technology, policies, and talent requirements.



Message from the sponsor:

The three core values that enable our vision to bring mobile-first technology to businesses to help them achieve digital transformation.



Samsung's suite of innovative and collaborative products can help businesses pave the way for new business models and new ways of working.

As the Next Mobile Economy partner, Samsung's mission is to prepare all businesses for this digital transformation by setting new and ever higher standards in mobile products, solutions and innovations for the businesses of tomorrow.

Samsung for Business. Built for the new way business is done.

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Open **Extensive B2B** ecosystem of partners Samsung Knox partner program Knox Service Plugin Fit-for-purpose Enterprise Tech Support NFC Payment





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