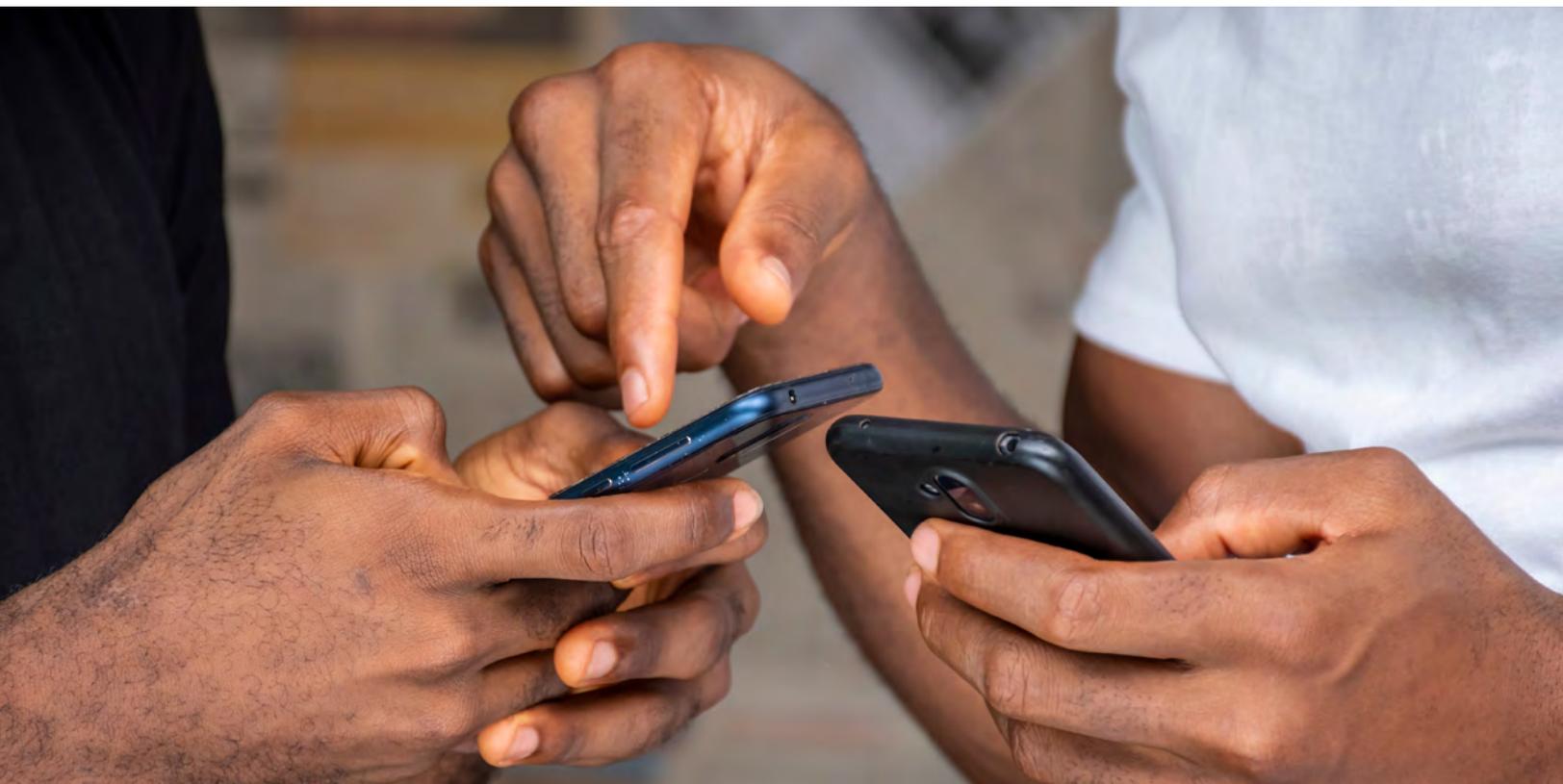




# FinTech **Virtual Ecosystems**

Technology has become an integral part of banking operations. From customer onboarding and aggregating financial data to launching new digital products, banks are leaning on the cloud, artificial intelligence (AI) and machine learning to improve their operations, customer and employee experience.

But it isn't these emerging technologies alone that will power the banking ecosystem of the future. So will modern network connectivity. Here's how both will transform the way banks do business.



## The Fintech Landscape Today

The fintech market is expected to grow 22% over the next decade, reaching a market size of \$305 billion by 2031<sup>1</sup>.

There are currently more than 26,000 fintech companies operating globally<sup>2</sup>, providing solutions ranging from compliance software to digital payments and online trading solutions.

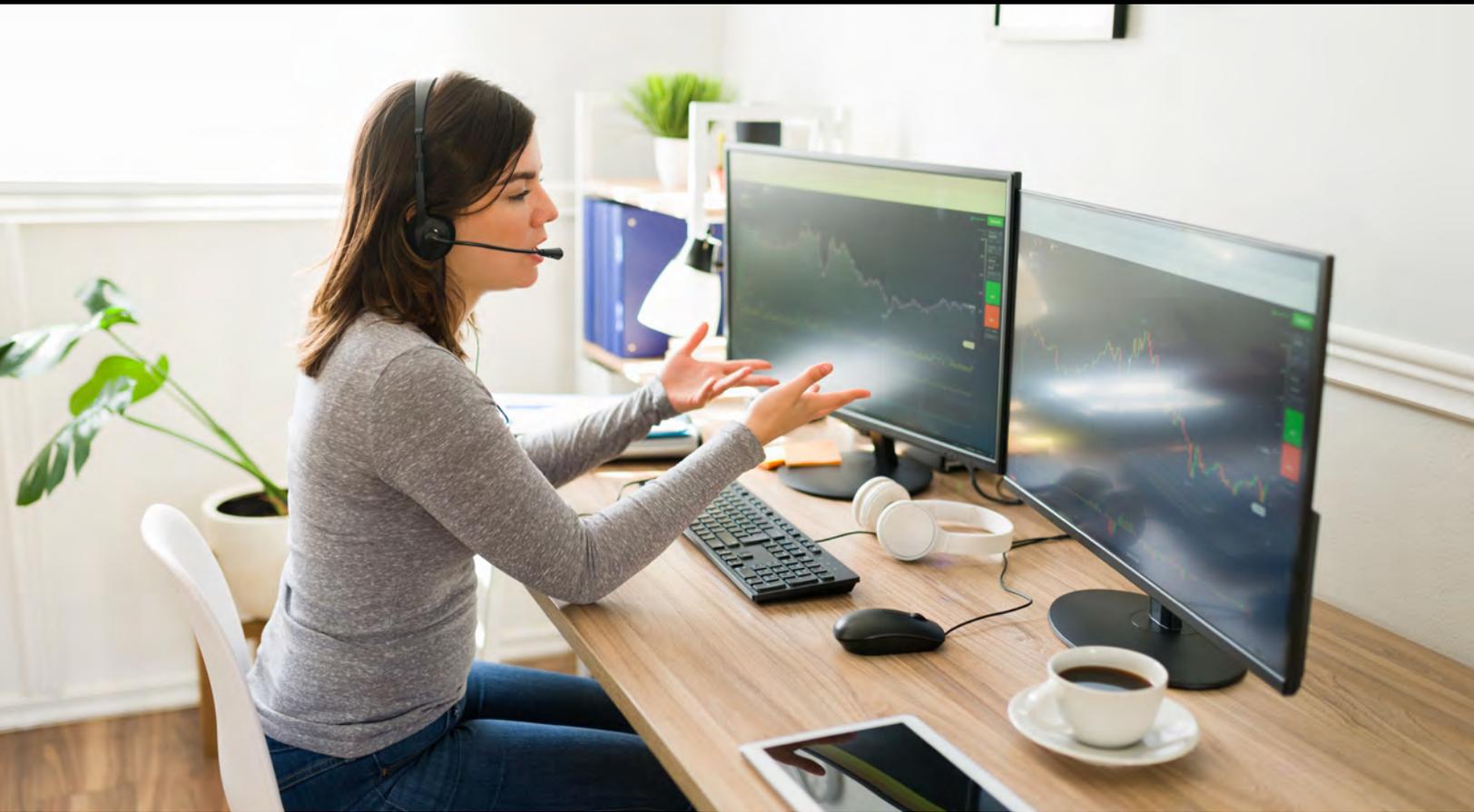
The industry's ongoing growth means financial institutions—and their customers—will have access to a wider range of technologies that will transform every facet of financial services as we know it. This also heralds another important consideration for the industry's future: connectivity, reliability, and capacity are all king.

As banks increasingly adopt cloud-based solutions, connectivity will be the fuel that powers these technologies, allowing banks to deliver a more curated and seamless customer experience and build a stronger ecosystem.

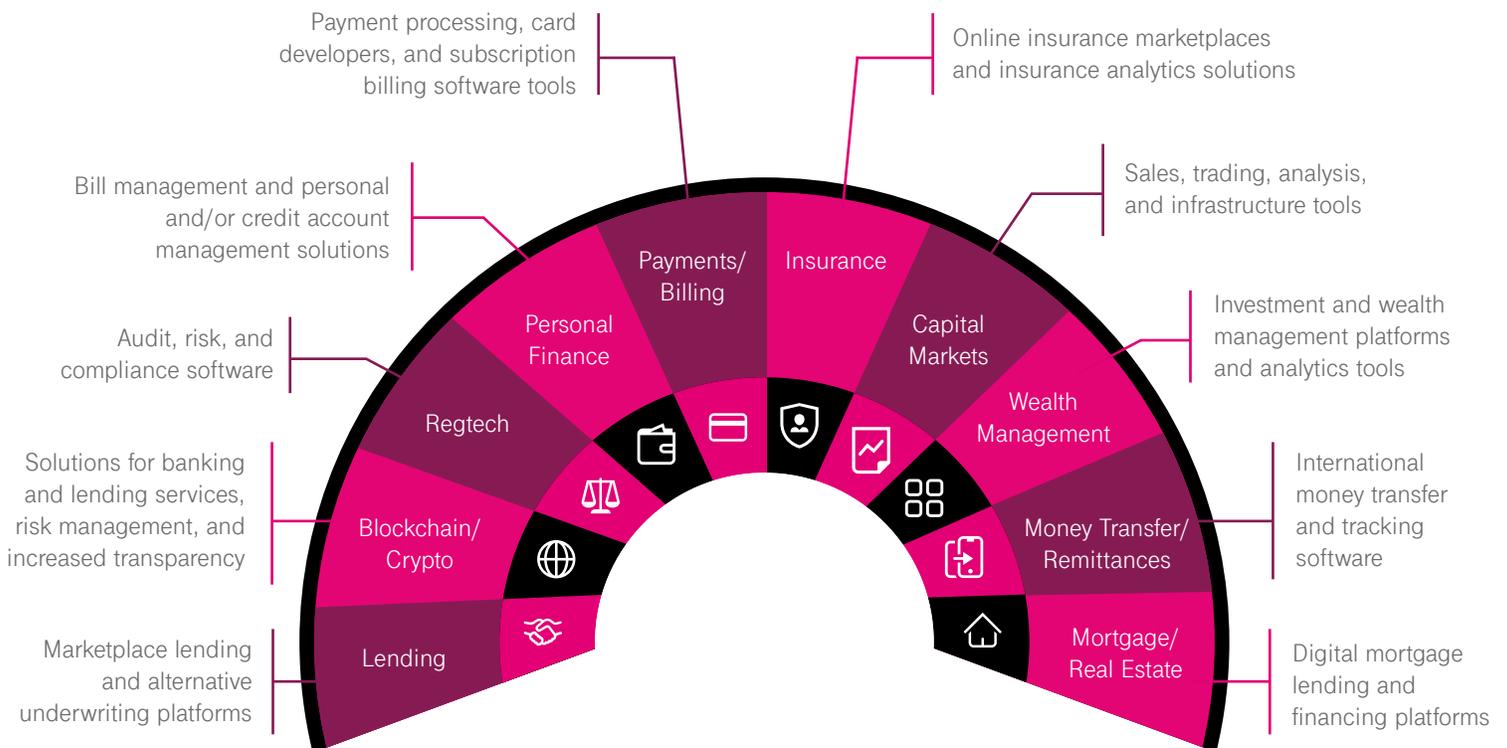
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<sup>1</sup> Global Fintech Market Share, Size 2022 Business Revenue, Future Growth, Trends Plans, Top Key Players, Business Opportunities, impact of COVID-19 on Industry Analysis by Forecast to 2031 - MarketWatch, March 24, 2022

<sup>2</sup> Number of fintech startups worldwide from 2018 to November 2021, by region - Statista, January 11, 2022



## The Current Technology Ecosystem



# Market Drivers for Banking Transformation



**Greater regulatory scrutiny and oversight** is driving the need for modernization in the banking industry. With more M&A activity in the sector and an increased focus on environmental, social, and governance (ESG), regulators are paying even closer attention to banks' data management, governance, compliance, liquidity management, and third-party risk management activities.



**Customers now demand real-time, personalized, seamless omnichannel experiences.** Delivering on these expectations requires banks to better harness customer and operational data to make their business run more efficiently, develop more solutions across mobile, desktop, and the web. These experiences should engage customers, empower them with effective financial management tools and information, and strengthen the primary banking relationship.



**Financial innovations**, including cryptocurrency, digital wallets and omnichannel consumer and commercial financial management solutions, now compel banks to digitize their infrastructure to keep up with fintech startups, traditional industry and emerging international competitors.



**The proliferation of first and third-party data** means that banks now have access to rich sources of information about their customers and operations. However, for many financial institutions, the persistent challenge is how to manage and protect it all.



**Relentless cybersecurity threats** also demand stronger risk management practices. With some financial institutions employing hybrid work models, using open APIs and third-party partner integrations to expand their system capabilities, robust security will be paramount to safeguard the data banks collect and reduce their compliance and reputational risks.

**Experts forecast an 8x growth in mobile data traffic by 2023<sup>3</sup>**

**By 2025, experts estimate 463 exabytes of data will be created globally every day<sup>4</sup>—the equivalent of 115,000 times the amount of data currently created on Facebook**

<sup>3</sup> Study: Video will climb to 75% of all mobile traffic by 2023 – Marketing Dive, December 4, 2020

<sup>4</sup> "How much data is generated each day?" – World Economic Forum, April 2019



## Delivering Modern Connectivity: How T-Mobile Powers a Better Banking Ecosystem

As banks confront challenges ranging from increased regulatory oversight to rising customer demand and a highly competitive business environment, they must modernize both their technology and network infrastructure.

T-Mobile for Business powers a better banking ecosystem by providing the high-performing, reliable connectivity banks need.

**We offer a full suite of integrated, industry-leading solutions:**



**5G Innovation:** T-Mobile's Ultra Capacity 5G has been deployed to over 210 million people, providing robust connectivity to smartphones and the digital platforms banks use to engage customers. We also own the spectrum, with mid-band, low-band and high-band frequencies that provide greater network speed, capacity, and reliability.



**Private networks:** Private networks—supported by 5G network connectivity—provide the enhanced security and reliability vital for organizations that operate in heavily regulated industries and handle highly-sensitive data. As banks have a globally distributed workforce with employees who may work remotely or at satellite offices, private networks offer the security, capacity and speed these institutions need to support enterprise mobility and protect critical systems in the remote work era.



**Multi-access edge computing (MEC):** MEC supports several critical solutions within the T-Mobile product ecosystem, including business Wi-Fi services, dedicated internet access, cloud networking, SD-WAN and managed WAN services. Our MEC solutions process data at the edge and closer to its intended source, delivering the low latency banks need to access and deploy data for digital applications, customer personalization and various governance and compliance activities.



**Industry-leading expertise:** But technology isn't all we offer. We partner with banking institutions to develop customized solutions that meet their needs today and grow with them and their evolving business needs. Our industry segment advisors have years of relevant experience and closely collaborate with internal teams, from initial implementation through ongoing execution. We also have a robust partnership ecosystem that helps us deliver holistic solutions to banking customers, whether your institution wants to strengthen security or boost its data management capabilities.



**Software-defined wide area networks (SD-WAN):** Offered as a standalone solution or as a managed service, our SD-WAN offering delivers high speed, maximum network availability and peak application performance. It also streamlines network management, allowing financial institutions to prioritize the delivery of traffic from mission-critical business applications, gain more visibility into network activity and bring more agility to their operations. Banking customers can connect directly to T-Mobile's nationwide network and access more than 200 on-net carrier neutral data centers across the U.S.

T-Mobile for Business not only has the best network and innovative solutions for the banking industry, but we're also a trusted partner that orchestrates digital transformation. With our leading services, support, and deep well of industry experience, banks can develop a modern network infrastructure that positions them to win in this new era of financial services.



Ready to transform your network and build a better banking ecosystem? [Visit our website](#) or chat with us on 844-983-2351.

**5G:** Capable device required; coverage not available in some areas.  
Some uses may require certain plan or feature; see [T-Mobile.com](#).

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