



Responsibly managing emerging technology risk

While emerging technologies can result in tangible benefits, it is important to recognize and embrace the risks.

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Transform emerging technology risk into opportunity

How is this accomplished?

It begins when your organization recognizes the potential benefits of introducing consumer-grade technology with business strategy. Opportunity grows by taking a holistic view of the related risks and responsibly demonstrating effective management of information technology (IT) through governance and controls, data integrity, security and privacy, and supplier management.

That is where KPMG comes in.

At KPMG, we understand that technology is a key driver in enabling business. We help clients recognize and responsibly manage the risk and reward from the adoption of emerging technology.

We are dedicated to helping organizations with that goal. This includes social media, mobile technology, cloud computing, wireless communications, connected devices, blockchain technologies, 3-D printing, biotechnologies and robotics.

Our practice is constantly evolving, keeping pace as we monitor innovation and the adoption of new technologies. The perspective we offer our clients is from aligning our partners and professionals with notable technology skill sets. Industry-leading methodologies and processes also enable us to deliver services that help our clients navigate the challenges that come with adopting emerging technologies.

Identifying the benefits

By proactively addressing the benefits of emerging technology, KPMG can help to change your organization's digital risk management function, transforming it from a cost center to a value-added component. Here are some examples:

— Proactively Managing Risks

The adoption of emerging technology can result in both business transformational elements and risk transformational elements. By looking at the two together, we can help organizations embrace the business benefits and manage the risks.

— Maintaining Regulatory Compliance

The regulatory compliance landscape is constantly evolving. It is crucial for organizations to understand and manage their risk potential by controlling the leakage of personal, financial or proprietary data.

— Building Customer and Consumer Confidence Trust

As an organization recognizes and embraces both the transformational benefits and the risks of emerging technology, so do their customers. By proactively managing the risks associated with the adoption of these technologies, an organization can build consumer confidence and trust, which can result in a better user experience for the customer and an increased willingness of the customer to become an advocate for the organization.

Service

Description



IT Risk Management

Help management with improvements to IT risk management processes, including assistance with identification, assessment, design and/or implementation, mitigation, management and IT compliance testing.



Cloud Governance, Controls and Compliance

Assist management with the review, assessment, design and/or implementation of cloud policies, processes, procedures, compliance and overarching governance. This may include cloud security, operations, third-party service-level agreements (SLAs) and assurances/audit, privacy and compliance, integration with IT and business strategy, change management and data protection.



Responsibly Social

Support management in reviewing, assessing, designing and/or implementing social media processes, communication channels, building process flows (with control points identified) and establishing the governance to monitor these processes.



Responsibly Mobile

Provide assistance in reviewing, assessing, designing, and/or implementing mobile governance and enablement programs. These include: Mobile Target Operating Model, Mobile Center of Excellence (MCoE) function and charter, Strategy and Road Map, Resource Models, ROI/ Financial Model, Mobile App Development methodology and minimum security baselines, development of policies and procedures, implementation of Mobile Device Management (MDM), tools and IT Integration Services.



Connected Devices

Help ensure that connected device and mobile programs, tools, and services are implemented and effectively managed, in conjunction with management. This encompasses how organizations acquire, provision, activate, configure, deploy, and monitor their connected and mobile devices and applications as well as how they gain business insights from them.



Next Generation Technologies

Continue to stay on the forefront of technology, monitoring emerging technology trends and maintaining an eye on next generation technologies (i.e., robotics process automation, blockchain technologies, cognitive computing).

About KPMG

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