**Technology Enabled Solutions** address clients’ key global risk concerns:

- Secure my assets
- Guard my reputation
- Keep me in control

Our world is changing rapidly and our business becomes more data and technology driven. Also, **exponential technologies** have a great impact on us, our clients and our business model. We embrace this change and see this as an opportunity to grow and develop new services.

Within TES we bundle all our expertise & business experience in the Risk domain. We focus on **solving business issues** & **creating value** with technology and through scalable technology platforms, for and with our clients through **co-creation**. We deliver this as a **managed service** or **solutions-as-a-service** business model.
Technology Enabled Solutions address essential risk topics in all service areas with:

**Client facing solutions:**
These are revenue generating managed services or solutions-as-a-service and new business models delivered for our clients, reinforcing them in the field of risk management and security. Examples of these solutions are BRISQ, Hacking as a Service and Continuous Controls Monitoring.

**Enablement Solutions:**
With the help of technology we enable Risk Advisory professionals in the field of risk management to better deliver. Examples of these solutions are Discovery and eQsmart.

This approach allows us to deliver Technology Enabled Solutions that retain value for our clients in changing environments.
Technology Enabled Solutions bring together:

Content for our solutions will be provided by the other service areas and service lines. Also, our Clients & Industries team will provide close connection with the business, needs and requirements of the industries and our clients for whom we work. We focus on:

- **Delivering knowledge** and content applications on our proven and scalable technology platform to our clients.
- With the application of technology, we shift our business from preventative & responsive to monitoring and ultimately prediction.
Technology Enabled Solutions are designed & built through:

**focus on** a selected number of strategically important & **innovative solutions** that are disruptive, scale rapidly and leverage our impact.

New solutions are created and leveraged through:

- **Technology partnerships & alliances** across established technology, service providers and start-ups
- **Across technologies & platforms** on which we build our content/knowledge applications, disruptive technologies like Artificial Intelligence, Blockchain or evolving IT eco systems like IOT
- **Global, other member firm** and **cross-function solutions**
- **Risk Advisory Innovation & client development** programs
- **Key growth** and **strategic topics** from other service area's and our Clients & Industries team such as managed FSI & compliance services, robotics and cognitive analytics
Our solutions

**Cyber, Privacy & Security**
- Hacking as a Service
- Assuring Medical Apps
- Blockchain Services
- Phising as a Service
- Managed Security Monitoring

**Governance, Risk Management & Compliance**
- BRISQ
- Continuous Controls Monitoring
- Systematic Integrity Risk Analysis
- RADAR

**Data & Analytics**
- Discovery
- Process X-ray
- XBRL
- AuditiQ
Systems, applications, and networks change regularly, and therefore, new vulnerabilities and ways to exploit them emerge on a daily basis. Security tests enable organizations to assess their current security position, but delivers only a snapshot in time.

With Hacking as a Service (HaaS), we periodically conduct security tests of our clients' applications and other infrastructural components that are connected to the internet.

This way, Deloitte HaaS provides ongoing up-to-date insight into vulnerabilities, as well as an overview of an organization's security position over time, and compliance with IT security laws and regulations.

The Deloitte HaaS Security Dashboard provides advanced, customizable reporting capabilities. Furthermore we make the results of the security tests available through our Hacking as a Service Dashboard. This dashboard provides continuous insight in the organization’s security posture and advanced, customizable reporting capabilities.
The use of apps that process medical data is increasing. It is crucial for these apps to safeguard the privacy and security of their users’ personal information.

Assuring Medical Apps provides the comfort of a third party assuring that the app successfully does this.

The service checks applications against prevailing (European) regulation, and tests security and privacy controls.

Service can be extended to include App Monitoring, a service that continuously monitors changes and vulnerabilities within the application.
Blockchain technology enables organizations to decentralize transactions and to automate administrative processes. The big question is: **how will this technology affect your business?**

In any area where the **trustworthiness of processes** plays a crucial role, blockchain can be a solution, because of its fully searchable and transparent digital records. But as with any tool, it is important to **analyze** if it is the right tool for the job.

Through educational bootcamps, hackathons, and a follow-up in which **co-creation with the client** is a key contributor to success, Deloitte’s Blockchain Services help **develop, scale, and manage** novel client applications.

We offer managed services and secure server environments in our cyber center, to **bring your application to life** in a secure and trusted environment.
Phishing as a Service

It is well known that humans form a potential weak link in any security setup, no matter how well-designed. Phishing emails, in the form of mass-phishing, and spear-phishing attacks, take advantage of this.

Although the effectiveness of spam filters has increased over the years, organizations want to be safe from targeted phishing attacks as well as from the bulk of “Nigerian princes” that the filters catch.

Our Phishing as a Service (PhaaS) team helps organizations continuously map and improve security awareness among their staff. We ensure all data is processed in line with Dutch privacy laws. Our results are never traceable to individuals: our reports are fully anonymized.

We offer PhaaS both off-the-shelf as well as fully tailor-made. In all cases, we offer a scenario based approach: every assignment is unique.
Managed Security Monitoring

To continue executing your business strategy with confidence, you need to shift your thinking: from cyber security to cyber risk management. Three key features within this shift are security, vigilance, and resilience.

The number of cyber attackers is growing, and they are becoming better organized and more resourceful. Threats to digital security increase in number and complexity.

With our Managed Security Monitoring (MSM) we do not only detect security issues, we can also advise organizations on how to prevent them in the future.

MSM continuously monitors for internal and external changes as well as threats that affect the security landscape, to detect and even prevent disturbances to day-to-day business operations.
Governance, Risk and Compliance (GRC) is a hot topic, but organizations struggle to execute their GRC processes in a uniform and consistent manner. How do CFO's, CRO's, Compliance Officers and Internal Auditors cope with increasing regulations and legislations, getting insight in their risks and compliance?

BRISQ supports integrated GRC initiatives and requirements in a transparent way, facilitating end-to-end risk management, getting a clear perspective for management.

BRISQ is software to capture your GRC requirements, have end users record their compliance, controls tests and actions, providing management insight. Deloitte offers the combination of industry knowledge, GRC approach and tooling. BRISQ is flexible to match your methodology. No software installation is required as BRISQ is hosted at Deloitte NL, and therefore accessible through the Internet.
Continuous Control Monitoring

Continuous Control Monitoring (CCM) is in the research books since the past millennium.

**Deloitte brings it to reality**

Deloitte brings its own solution as a service to standardize and automate the monitoring. Connecting your critical IT assets to provide you with focused, actionable and intelligent insights. We deliver in an outcome based model to simplify the investments, improve the uptake and help you to get started on this journey.

**CCM empowers control owners and operators** by bringing them closer to the daily reality. Focus shifts from control based monitoring to process based monitoring, making the organizations more resilient and smart.

We offer managed services and secure server environments in our cyber center, to bring your application to life in a secure and trusted environment.
Systematic Integrity Risk Analysis

Regulators such as the Dutch Central Bank (DNB) formulate integrity requirements or ‘Good practices’ for financial institutions.

Integrity risks like money laundering, corruption, conflicts of interest, fraud, and tax risks are the largest contributing factor to compliance incidents within the financial services industry.

Systematic Integrity Risk Analysis (SIRA) helps you manage your integrity risk effectively and meet the demands.

With SIRA, we facilitate the risk management process by collecting and analyzing relevant data in real time, and providing on-demand integrity risk reports for management, creating the opportunity to implement tailor made risk mitigating measures.
The growing amount of unstructured data in organizations makes it harder to comply with information requests from regulatory bodies, the Ministry of Justice, and internal departments.

To cope with this, Deloitte Discovery provides the full spectrum of information governance, computer forensics, discovery, complex analytics, and document review services.

Whether tasked with preserving data from thousands of mobile devices, or improving the efficiency of document review with new technology, we provide deeper, more comprehensive insights, and smarter, more efficient solutions than anything you have seen before.

This way, Deloitte Discovery helps control costs, and reduces risk during discovery.
Regulations in the financial services industry are complex, change frequently, and are difficult to implement. Implementation programs are mostly manual, decentralized, and have unstructured approaches across teams, geographies, business lines, and product lines.

RADAR helps maintain oversight of relevant regulations, by continuously monitoring relevant global regulatory changes with a state-of-the-art tracking system. We help understand and assess the impact of regulatory changes on a global scale, and provide insight in the regulatory landscape.

With the RADAR toolkit, changes to various regulations can be aggregated to improve the efficiency of implementation and transformation efforts, while ensuring long-lasting compliance.
Process X-ray

Process X-ray is a powerful process analytics platform that visualizes actual process execution based on data. It is applied at the world's largest, most complex enterprises.

Results are eye-opening for our clients: They discovered that process variation is at least 100 times greater than they thought. In fact, 5,000 or more variations are common in most end-to-end processes.

The CFO office gains transparency from X-ray that can be used to tackle a variety of high ranking business issues. Take process optimization, controls rationalization and continuous improvement to shared service centers, for example.

The CIO office can put the X-ray platform to use to get clear fact-based business insights into how the processes actually run and use this to optimize their ERP deployment and underlying business case.

"Process X-ray is used at some of the largest companies in the world to address business issues, such as finance transformation, working capital reduction, process harmonization initiatives, compliance questions and tax issues."

-Gartner
Most organizations have all the data they need, but may lack the means to access the right data at the right time in the reporting process.

The eXtensible Business Reporting Language (XBRL) is an open information exchange standard which reduces the time spent processing data and maximizes data accuracy and consistency throughout the information supply chain.

Our Technology-Enabled XBRL Solution facilitates the design and management of taxonomies appropriate to your business, and supports efficient digital processes, in which quality assurance and filing requirements are taken into account.
Internal auditing grows **increasingly complex**. It needs to be **accurate, effective**, and provide the right **insights**.

To support internal audit organizations to **optimize audit coverage** and (audit) resource efficiency, while adding **value to the business**, Deloitte has developed AuditIQ.

AuditIQ provides **Audit Intelligence** and **Quality** by collecting and transforming raw source data from your ERP system(s) into useful information, presented in a visually-oriented dynamic report. This ready-to-use dashboard provides you with actionable insights on P2P, O2C and inventory processes, and can be delivered as-a-Service.

AuditIQ allows you to become adaptive to risks — target audit plans and focus resources towards areas that matter. Substantiate findings using facts based analysis and quantification of exposures assess the effectiveness of segregation of duties.

The solution contains over 200 predefined analyses and insights across various business cycles. Combining the expertise of our audit-, business- and data specialists, with the experience of applying AuditIQ for clients in various industries, it forms an essential part of the Internal Audit 3.0 approach.
Contact details

Please feel free to contact Kees if you would like to learn how to realize the full benefit for your organization.

Let's work together!

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