

Deloitte.



IT & Specialized Assurance

In today's rapidly evolving business landscape, every organisation, whether publicly listed or privately held, grapples with an enduring and pervasive set of information and technology risks stemming from the utilisation, processing, and storage of data. These risks encompass a broad spectrum of challenges that can significantly impact business operations, financial reporting, and overall performance.

Our team stands ready to help organisations navigate the intricate landscape of technology risks, offering insights, strategies, and assurance to ensure that information and technology assets are not only leveraged for competitive advantage but also fortified against the ever-evolving challenges of the modern business world.

IT Internal Audit

Via our broader Internal Audit channel, we provide specialist technology audit experience in scoping and delivering on IT risk assessments and IT reviews on the internal audit plan. We do not only provide traditional IT internal audits delivered by a core IT Internal Audit team, but also inject our specialist technology risk domain expertise into the scoping to provide proper depth of coverage

IT Risk & Governance

We provide IT governance advisory to clients to help them identify improvement areas in how IT is organised, planned, delivered and measured in alignment with the business strategy. IT governance services can take the form of IT governance process / control audits and control design & implementation services.

Emerging Technology Assurance

In-depth reviews, that will be aimed at providing technical assurance for clients IT operations, Security, Emerging Technology and specialised IT systems:

Reviews aimed at assisting our clients navigate the latest technology trends and strategies. Some of the current ETs we will be targeting are artificial intelligence and machine learning, robotic process automation, build web 3.0 applications, 5G networks and internet of things.

Competitions & Voting

We have successfully and independently assessed multiple high-profile competitions and awards. Through our pragmatic experience in technology driven voting and promotional competitions we provide proactive advice to help pre-empt and manage risk to Safeguard your organisation's reputation. Promote public and voter confidence.

Cloud Risk & Assurance

Whether our clients are embarking on their cloud journey or already orchestrating the clouds, a cloud journey is filled with risks, our service ensure controls and governance is sustained throughout.

Having an independent risk assurance advisor as part of our client's cloud programme, de-risking as they go and creating the necessary awareness around the health of their journey with their stakeholders will dramatically improve the chances of maintaining stakeholder buy-in, momentum and most importantly, ensure success..

External Audit

We assist in the evaluating and verification of an organisation's information technology controls and processes by an independent external auditor. This involves assessing the reliability, integrity, and security of an organisation's IT systems, infrastructure, and data to ensure compliance with industry standards, laws, regulations, and best practices

ERP Assurance & Controls

We provide assurance and advisory services to clients who make use of SAP / Oracle ERP. This can include ERP security assessments i.e., SOD reviews and role designs, ERP GRC i.e., GRC roadmap and design, and controls and compliance i.e., ERP controls design assessment and testing thereof, pre/post-implementation reviews.

Strategic Technology Advisory Solutions

The Deloitte strategic technology advisory offering covers various solutions for our clients. We are able to provide detailed reviews over all aspects of our technology offerings and provide key recommendations on improvements or remediation of issues and findings. We have a skilled team able to assist you in navigating your technology challenges.

ESG IT Controls & Solutions

Environmental, social and governance (ESG) is a framework used to assess an organization's business practices and performance on various sustainability and ethical issues. It also provides a way to measure business risks and opportunities in those areas. We will help organisations ensure their systems will allow for visibility of effective prioritisation, automation and reliability of evidence collection to address inaccurate and incomplete ESG reporting. We will also help organisations to assess the readiness impact of implementing of ESG systems.

GRC Solutions

We assist clients embarking on GRC solution implementations. We also offer assurance and advisory services to clients who are implementing GRC solutions. This can take the form of assisting clients with the business case, the vendor / solution sourcing process as well as the implementation lifecycle.

Third Party Assurance

We address regulator and marketplace demand to manage third-party risk through our third-party readiness, optimization, and reporting services.

The Third-Party Assurance (TPA) practice helps our clients - and the broader outsourcing marketplace - to facilitate the efficient and effective exchange of assurance-related data (Internal control, cyber, privacy etc.) within the Outsource Service Provider (OSP) and user communities.

Project Risk Assurance

We provide our clients with risk advisory services over their IT programmes in order to ensure the success of the project/programme.

Global Secondments

Deloitte South Africa's Secondments program is a highly specific initiative that serves to bridge the staffing gaps experienced by member firms specialising in IT audit services. This program draws upon the expertise of professionals primarily based in the Deloitte South Africa Firm, while also leveraging the broader capabilities of Deloitte member firms across Africa when the need arises. Through this strategic approach, Deloitte Global ensures that its member firms consistently deliver exceptional IT audit services, globally.

Revenue Assurance

Our revenue assurance service offering includes a multi-dimensional assurance approach to client's revenue generation and reporting processes. It includes a data and analytics approach to identifying revenue leakage along with a controls-based approach to recommendations to assist clients in preventing, detecting and resolving revenue leakage issues. Our service can take the form of an outsourced managed-services model or a resource-augmentation model.

Connect

Michele Townsend
IT & Specialized Assurance Leader
mmtownsend@deloitte.co.za

Keshnee Naidoo
Cloud Risk & Assurance Lead
kesnaidoo@deloitte.co.za

Michele Townsend
Emerging Technology Assurance Lead
mmtownsend@deloitte.co.za

Anita Fuller
GRC Solutions Lead
anifuller@deloitte.co.za

Anita Fuller
IT Internal Audit Lead
anifuller@deloitte.co.za

Anita Fuller
Project Risk & Assurance Lead
anifuller@deloitte.co.za

Anita Fuller
Strategic Tech Risk Advisory
anifuller@deloitte.co.za

Egnes Macheve
External Audit Lead
emacheve@deloitte.co.za

Keshnee Naidoo
ESG IT Controls & Solutions Lead
kesnaidoo@deloitte.co.za

Prashanth Naidoo
ERP Assurance & Controls Lead
pnaidoo@deloitte.co.za

Randall Cupido
Revenue Assurance Lead
rcupido@deloitte.co.za

Anita Fuller
IT Risk & Governance
anifuller@deloitte.co.za

Paul Lingenfelder
Global Secondments Lead
plingenfelder@deloitte.co.za

Etienne Erasmus
Competitions & Voting Lead
eerasmus@deloitte.co.za

Trevor Wright
Third Party Assurance Lead
trewright@deloitte.co.za

We provide specialist technology internal audit expertise that supports the Internal Audit Function to evolve into a strategic business partner. Our operating model is structured to enable us to be closely integrated into each Internal Audit engagement to ensure technology considerations are applied throughout. Our delivery model is customisable to your organisation's unique needs, whether you require an outsourced or co-sourced internal audit partner, staff secondments alongside your team for executing your Internal Audit Plan or working alongside your external audit partner to maximise the combined assurance provided. Our deep understanding of the newly implemented Global Internal Audit Standards ensures that we support our clients in adding value via the Internal Audit Function.



Key Contacts



Anita Fuller
 Director
anifuller@deloitte.co.za



Karolina Dlugosz
 Manager
kdlugosz@deloitte.co.za



Rushin Galant
 Manager
rgalant@deloitte.co.za

We provide IT governance advisory to clients to help them identify improvement areas in how IT is organised, planned, delivered and measured in alignment with the business strategy. IT governance services can take the form of IT governance process / control audits and control design & implementation services

IT Governance, Risk and Compliance Reviews and Assessments

We provide IT governance advisory to clients to help them identify improvement areas in how IT is organised, planned, delivered and measured in alignment with the business strategy. IT governance services can take the form of IT governance process / control audits and control design & implementation services

COBIT Maturity Assessments & COBIT Assessments

We provide an independent assessment of current IT processes to determine the current maturity levels using the CMMI framework and to highlights business processes that require improvement to meet the desired maturity levels. Recommendations and roadmaps are used to help close these gaps and achieve the desired results.

King IV Assessments

We provide an independent assessment of current processes and controls to determine if it meets the objectives defined in Principle 12 of King IV and how compliance to meet these process objectives can be improved to meet the entity's expectations and compliance requirements.

IT cost optimisation

We provide services to help clients identify how processes related to IT cost management can be developed, implemented and optimised to ensure that it's matured and maximised for operating effectiveness. The supporting structures and processes can be supported by COBIT2019 objectives.

IT Effectiveness Review (including Controls Transformation)

We provide an independent assessment on the effectiveness of IT considering the role that it has in the business (e.g., support or strategic). The key processes scoped for the engagement will be informed by the role of IT in the business with focus on key structures and enablers that should be implemented. This type of review will also be effective in assessing the maturity of emerging technologies and reviewing applicable controls as part of controls transformation projects.

IT Risk, Governance & Compliance

Key Contacts



Anita Fuller
Director
anifuller@deloitte.co.za

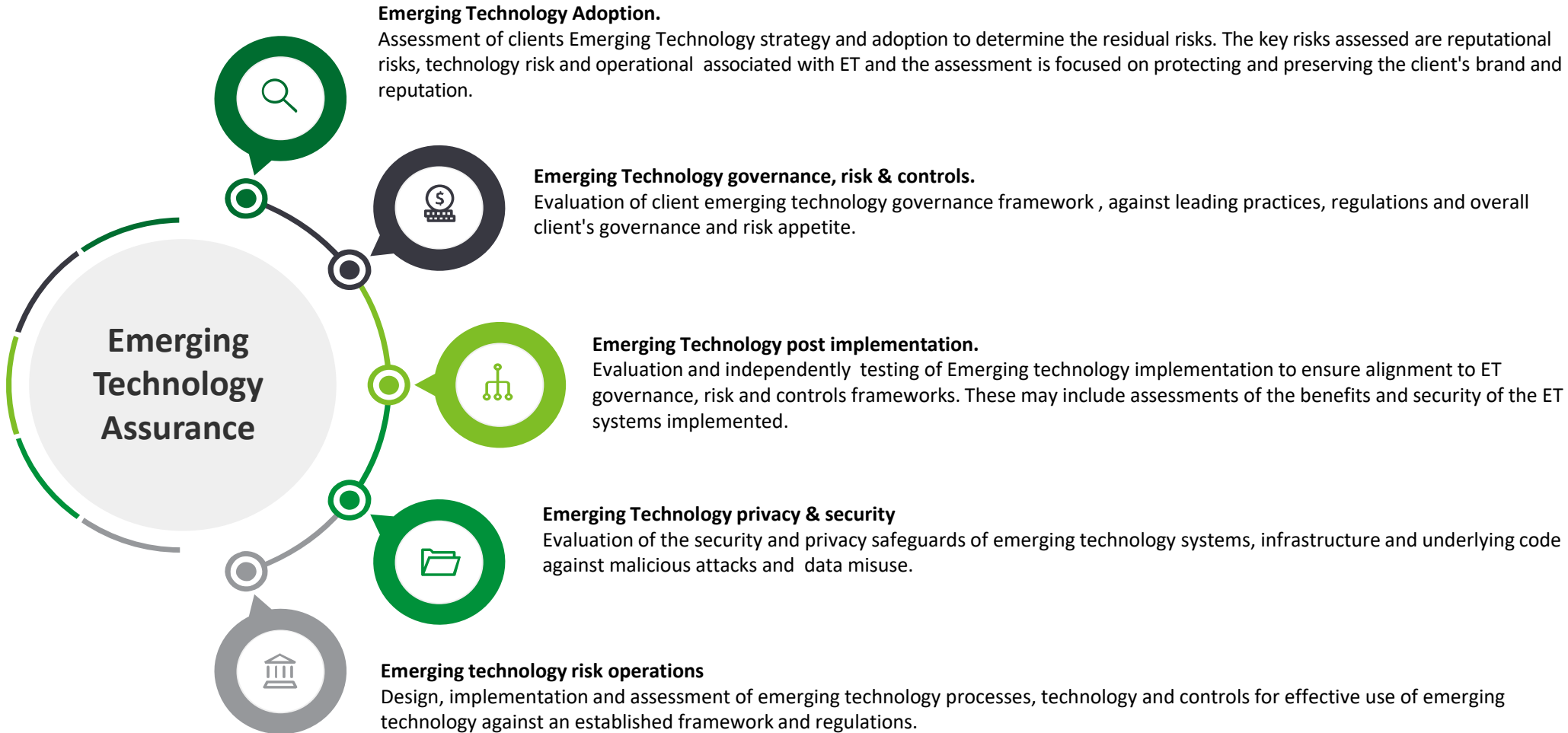


Themesh Naidoo
Manager
thnaidoo@deloitte.co.za



Rushin Galant
Manager
rgalant@deloitte.co.za

Emerging Tech Assurance, is the evaluation of the risk associated with the exploration, implement and use of emerging technologies. Emerging technology assurance is currently comprised of generative AI, Fintech, Metaverse, AiOps and the Internet of things. The current solution offering is mainly focused on the use of generative AI and the implications thereof.



Key Contacts



Michele Townsend
Director
mntownsend@deloitte.co.za



Qiniso Mkhwanazi
Senior Manager
qmkhwanazi@deloitte.co.za



Edson Ndhlovu
Senior Manager
endhlovu@deloitte.co.za

We have successfully and independently assessed multiple high-profile competitions and awards. Through our pragmatic experience in technology driven voting and promotional competitions we provide proactive advice to help pre-empt and manage risk to Safeguard your organisation's reputation. Promote public and voter confidence. Ensure closely governed and seamless competition processes, eliminating unnecessary administration and enhancing efficiency. Prevent errors in or the manipulation of results and fraud. Ensure compliance with the CPA and POPI thereby avoiding any regulatory penalties



Independent recalculation of vote results

We independently recalculate the vote results for various competitions involving public electronic voting based on the voting rules and compare the results to those determined by management. We make use of our data analytics tool, Audit Command Language (ACL), and customised scripts to import, analyse and summarise voting data based on the defined rules from respective platforms.

Where applicable, our legal experts provide input into the competition rules, terms and conditions to help ensure compliance with relevant legislation. We can guide you in setting up effective structures to ensure proper governance for competitions involving electronic voting.

Promotional competition draws

We independently oversee or independently perform promotional competition draws on behalf of clients based on the requirements of Section 36 and Regulation 11 on the Consumer Protection Act

Where applicable, our legal experts provide input into the competition rules, terms and conditions to help ensure compliance with relevant legislation and can also help ensure that all the required documentation is retained. We can guide you in setting up effective structures to ensure proper governance for promotional competitions.

Key Contacts



Etienne Erasmus
Associate Director
eerasmus@deloitte.co.za



Nathan Moroatshehla
Manager
nmoroatshehla@deloitte.co.za

Whether our clients are embarking on their cloud journey or already orchestrating the clouds, a cloud journey is filled with risks, our service ensure controls and governance is sustained throughout. Having an independent risk assurance advisor as part of our client's cloud programme, de-risking as they go and creating the necessary awareness around the health of their journey with their stakeholders will dramatically improve the chances of maintaining stakeholder buy-in, momentum and most importantly, ensure success

Cloud Governance establishment

We would assist with establishing a comprehensive framework to be used as a strategic roadmap, guiding decision-makers in defining policies, procedures, governance operating models and responsibilities related to cloud adoption and management. By prioritising security measures, cost optimisation strategies, and performance monitoring, organisations can strike a balance between the agility offered by the cloud and the need for robust governance. With such a framework in place, businesses are better equipped to navigate the complexities of the cloud landscape, facilitate innovation, and maintain a competitive edge in an ever-evolving digital world.

Cloud Programme Risk Assurance

Assisting in the capacity of independent risk assurance advisors on your cloud programme, de-risking and providing feedback to the sponsors on the “health” of the cloud migration programme. May take the form of “continuous assurance” (note: the assurance team would remain independent), “periodic assurance” (e.g., monthly / quarterly reporting), or “pre-/post-deliver” (e.g., before/after each delivery wave). Each approach differing in frequency and scope of assurance procedures and reporting.

Cloud FinOps Design and Implementation

Establishing a Cloud FinOps Practice will result in optimised spend, better forecasting, managing shared cost between business units, detecting and managing anomalies, proper visibility into spend by utilising data analysis to improve cost allocation.

Cloud Cost Optimisation Assessment

A typical Cloud Cost Optimisation Assessment would entail performing a cost optimisation assessment on your cloud environment. The outcome will result in optimised spend and recommendations on reducing spend by modernisation

DevSecOps Assessments / Review

A typical DevSecOps risk assessment would entail performing an independent risk review of their DevSecOps maturity and alignment to industry best practices. This includes assessments of the CI/CD environment, information technology infrastructure and applications.

*These services would be supported by adjacent Deloitte Risk Advisory & Deloitte Consulting offering areas



Key Contacts



Keshnee Naidoo

Director

kesnaidoo@deloitte.cp.za



Keleabetswe Sefiri

Senior Manager

ksefiri@deloitte.co.za



Bhavik Jeram

Manager

bjeram@deloitte.co.za

Deloitte Cloud Computing Risk Framework

Covers +200 controls across the below control domains. It is aligned with industry standards such as ISO/IEC 27001:2013, CSA CCM 3.0.1, NIST 800-53 (MOD), SOC 2 and FedRAMP (MOD).



Controls and governance

Whether you are embarking on your cloud journey or already orchestrating the clouds, a cloud journey is filled with risks, our service ensure controls and governance is sustained throughout.

Having an independent **Deloitte** risk assurance advisor as part of your cloud programme, de-risking as they go and creating the necessary awareness around the health of your journey will dramatically improve the chances of maintaining stakeholder buy-in, momentum and most importantly, ensure success.



We assist in the evaluating and verification of an organisation’s information technology controls and processes by an independent external auditor. This involves assessing the reliability, integrity, and security of an organisation’s IT systems, infrastructure, and data to ensure compliance with industry standards, laws, regulations, and best practices.



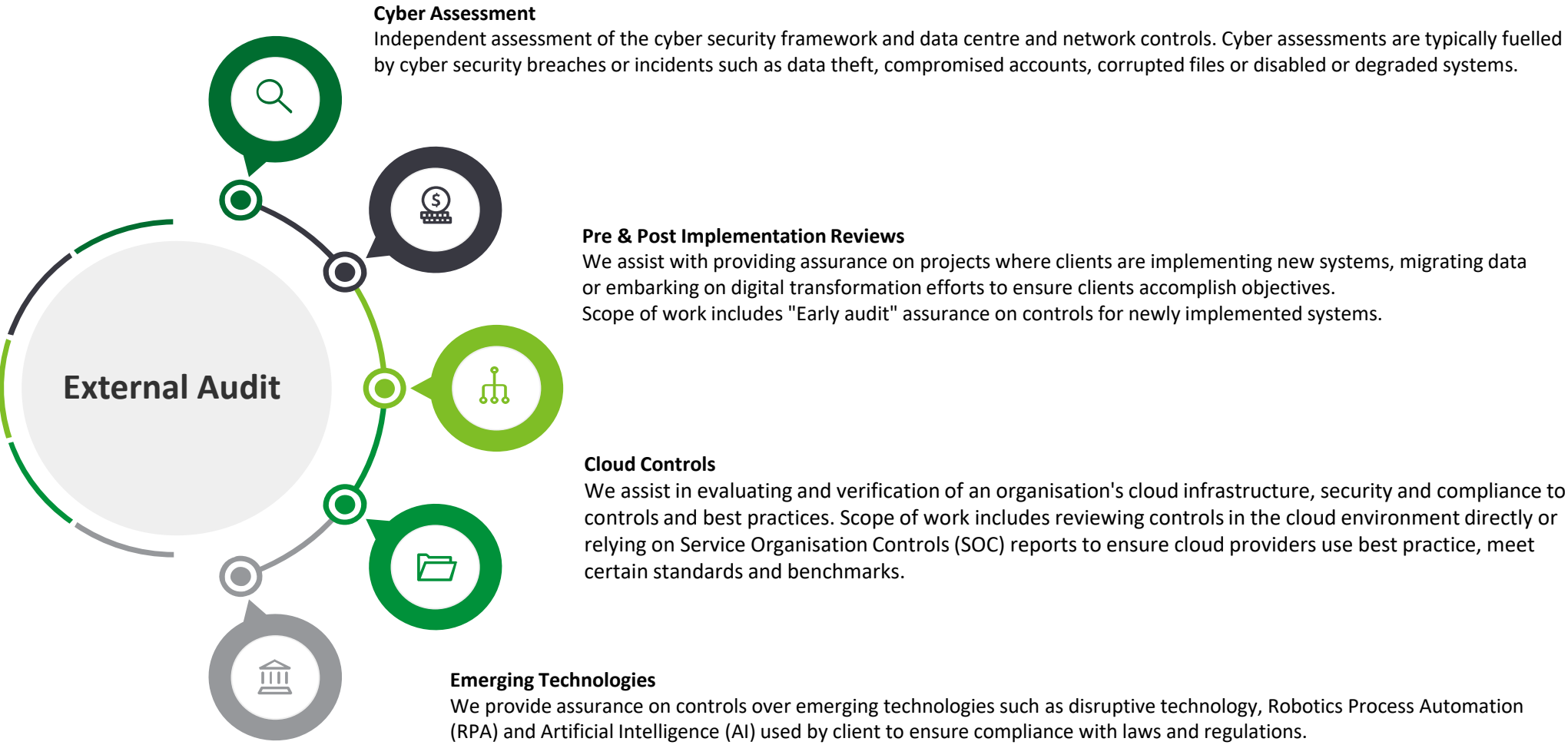
Key Contacts



Egnés Macheve
Director
emacheve@deloitte.co.za



Nkuli Mkwanzu
Senior Manager
nmkwanzu@deloitte.co.za



Key Contacts



Egnés Macheve
Director
emacheve@deloitte.co.za



Nkuli Mkwanzazi
Senior Manager
nmkwanzazi@deloitte.co.za

Organisations continue to centralise, standardise and modernise their business processes through the implementation of various ERP systems. As part of ERP Assurance and Controls, we aim to assist clients in identifying, addressing, mitigating emerging risks and / or plug operational inefficiencies. We are currently building out a differentiated SAP & Oracle Centre of Excellence – providing advisory and assurance services to clients, that are backed by Deloitte proprietary assets



ERP Controls and Compliance

- Internal controls design, execution, validation, and monitoring
- Workflows and documentation for audit management
- Issue management and resolution
- IT policies and procedures design, review, update and maintain

Continuous controls monitoring

- Segregation of Duties (SOD), SA & user access review
- GITC and configuration controls monitoring through GRC PC and analytics
- Mitigation controls library – design, maintain, update
- Controls deficiency monitoring & support
- User training and support

SAP Security

- User access management
- Security role maintenance
- Trend and root cause analysis (RCA)

Governance, Risk and Compliance

- Ruleset advisory
- Firefighter log review
- Incident management and RCA
- Master data & configuration updates

Key Contacts



Prashanth Naidoo
Director
pnaidoo@deloitte.co.za



Reeny Thomas
Senior Manager
rethomas@deloitte.co.za



Oscar Kalombo
Manager
okalombo@deloitte.co.za

The Deloitte strategic technology advisory offering covers various solutions offered to our clients. These solutions include IT Strategy Reviews, IT Architecture or Solution Architecture reviews, Strategic IT Controls Transformation, Operating Model and Organisational Structure Reviews and IT Due Diligence engagements. The value proposition for each solution is outlined below.



Key Contacts



Anita Fuller
Director
anifuller@deloitte.co.za

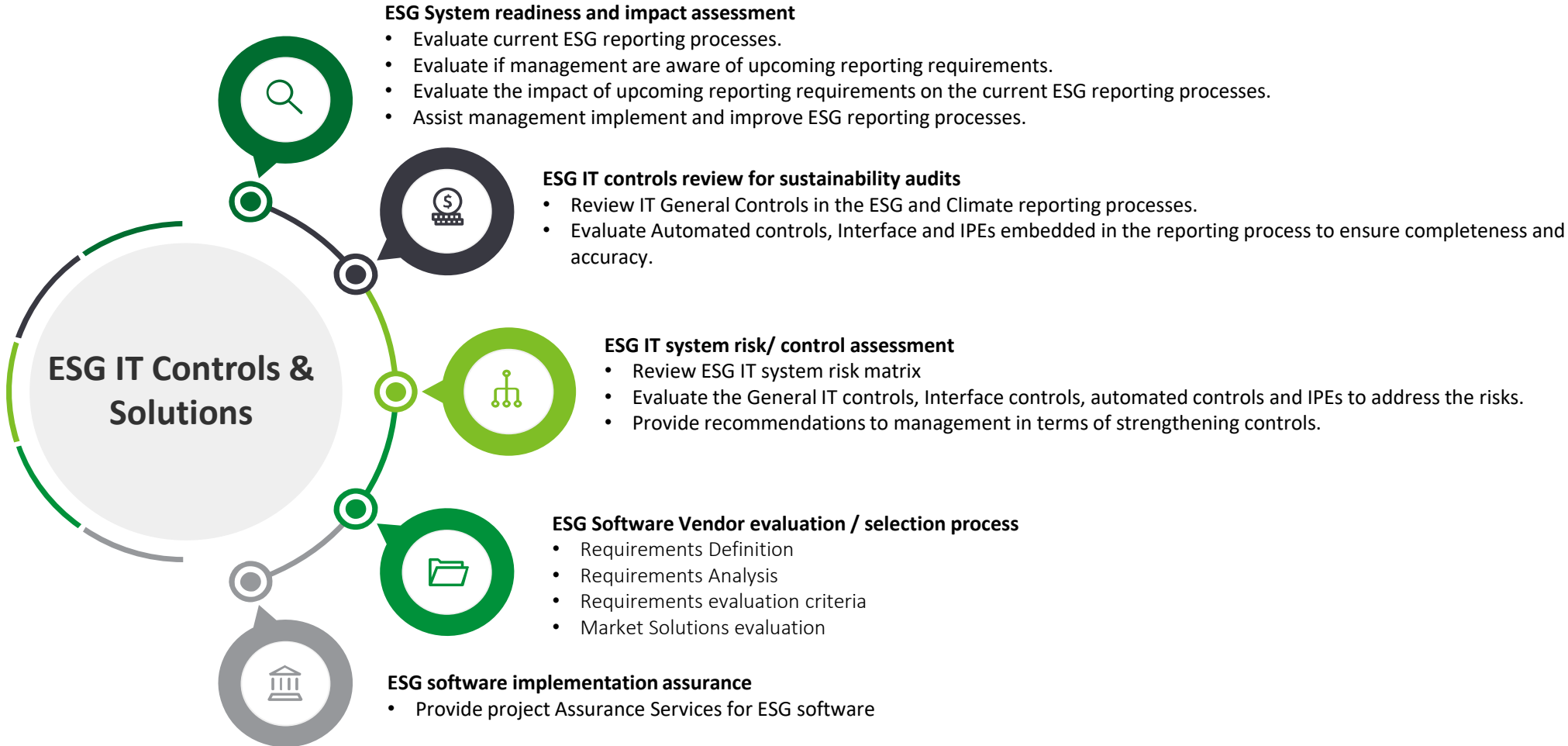


Trevor Moodley
Senior Manager
tremoodley@deloitte.co.za



James Blanckenberg
Manager
jblankenberg@deloitte.co.za

Environmental, social and governance (ESG) is a framework used to assess an organization's business practices and performance on various sustainability and ethical issues. It also provides a way to measure business risks and opportunities in those areas. We will help organisations ensure their systems will allow for visibility of effective prioritisation, automation and reliability of evidence collection to address inaccurate and incomplete ESG reporting. We will also help organisations to assess the readiness impact of implementing of ESG systems.



Key Contacts



Keshnee Naidoo

Director

kesnaidoo@deloitte.co.za

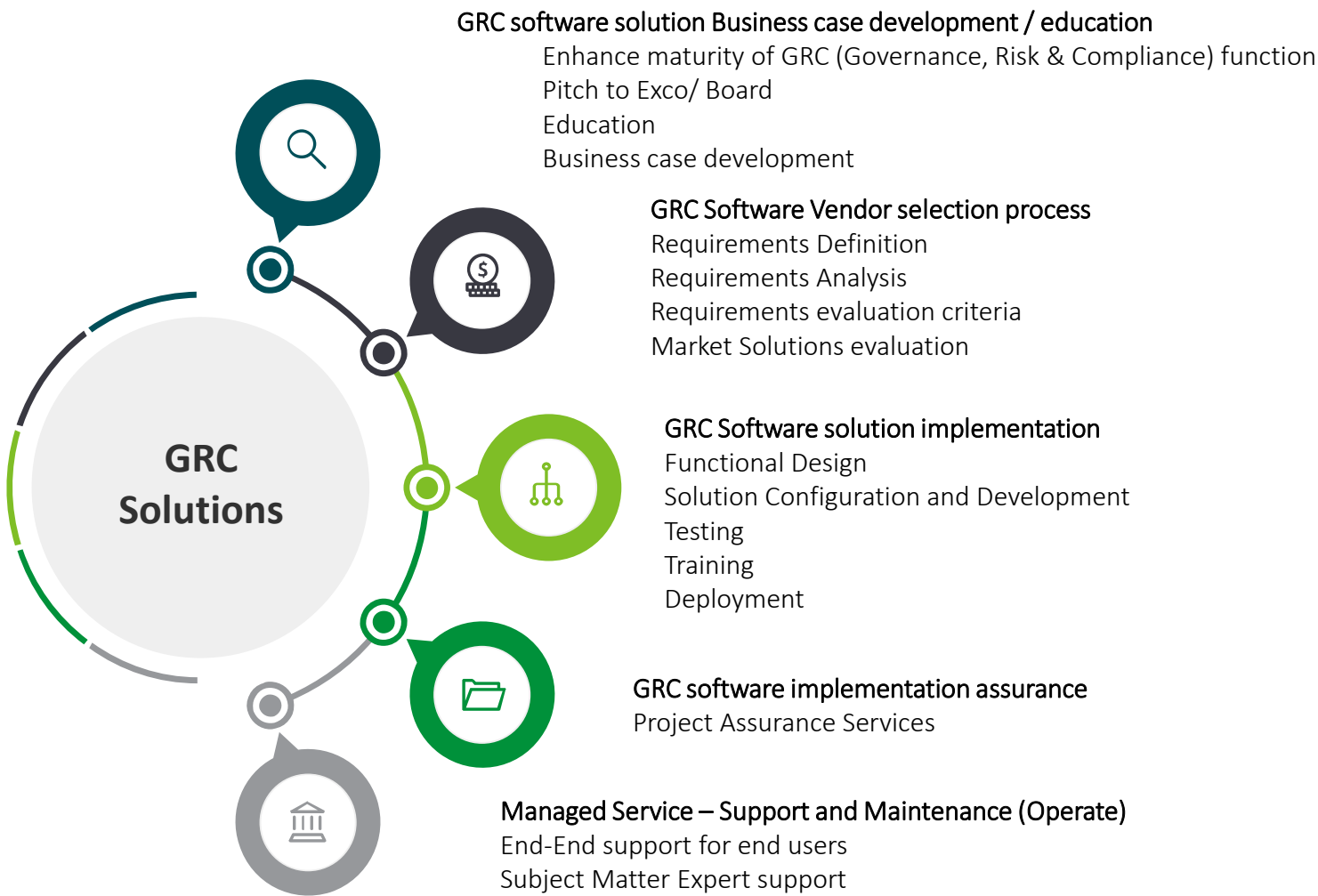


Lloyd Mandidewa

Manager

lmandidewa@deloitte.co.za

We assist clients embarking on GRC solution implementations. We also offer assurance and advisory services to clients who are implementing GRC solutions. This can take the form of assisting clients with the business case, the vendor / solution sourcing process as well as the implementation lifecycle.



Key Contacts

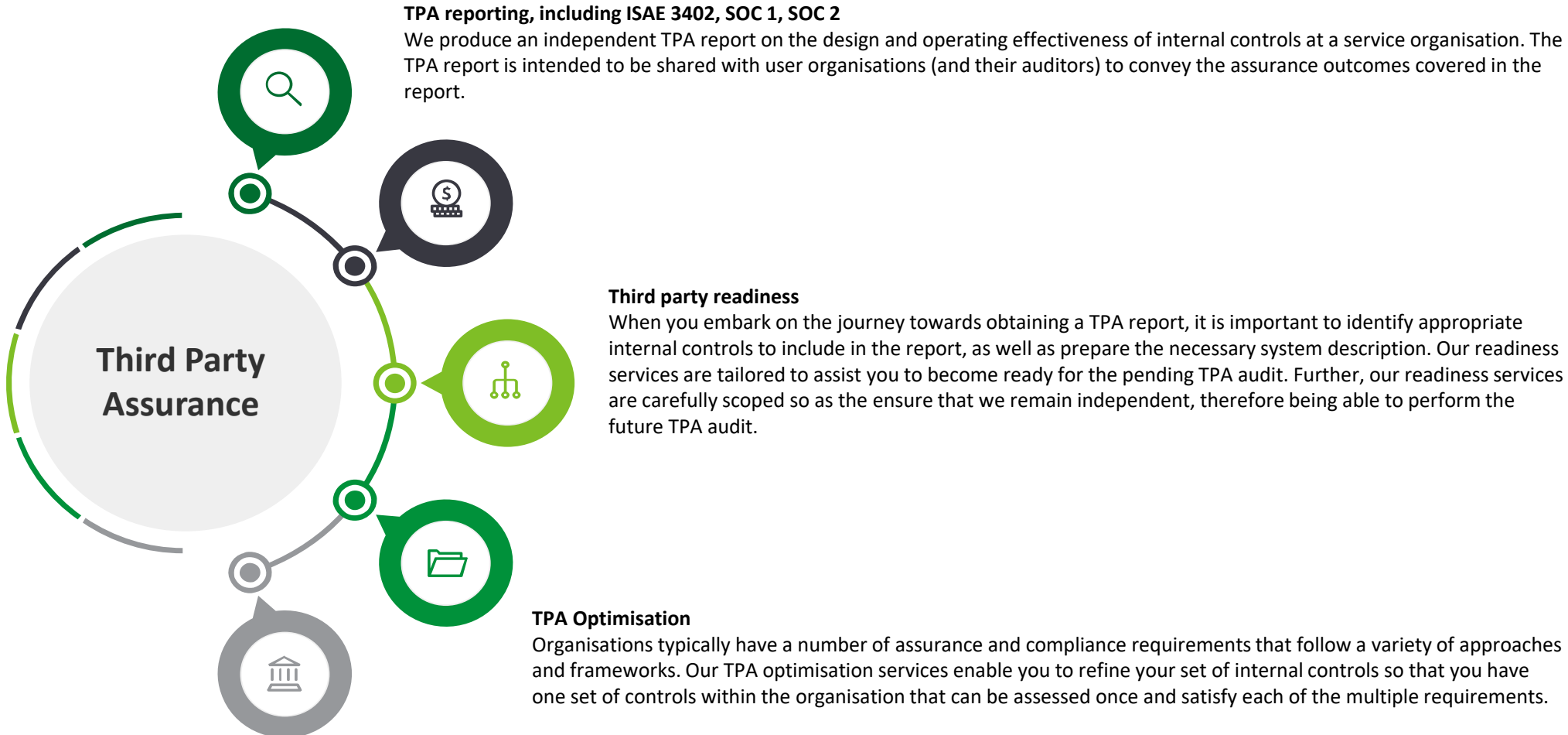


Anita Fuller
Director
anifuller@deloitte.co.za



James Blanckenberg
Manager
jblankenberg@deloitte.co.za

We address regulator and marketplace demand to manage third-party risk through our third-party readiness, optimization, and reporting services. The Third-Party Assurance (TPA) practice helps our clients - and the broader outsourcing marketplace - to facilitate the efficient and effective exchange of assurance-related data (Internal control, cyber, privacy etc.) within the Outsource Service Provider (OSP) and user communities.



Key Contacts



Trevor Wright
Associate Director
trewright@deloitte.co.za



Muheeb Buckas
Senior Manager
mbuckas@deloitte.co.za

Our Project Advisory offering provides aid to our clients in managing their project portfolio by addressing uncertainty and providing assurance that the right things are being done and risks are being managed. We provide (i) inflight pro-active programme risk identification, helping senior stakeholders focus on the most serious strategic and operational risk, and (ii) retrospective post implementation reviews, to assess if the overall objectives of an intervention were achieved. Below is a summary of our in-flights and retrospective assurance services.



Key Contacts



Anita Fuller
 Director
anifuller@deloitte.co.za



Trevor Moodley
 Senior Manager
tremoodley@deloitte.co.za

Deloitte South Africa's Secondments program is a highly specific initiative that serves to bridge the staffing gaps experienced by member firms specializing in IT audit services. This program draws upon the expertise of professionals primarily based in the Deloitte South Africa Firm, while also leveraging the broader capabilities of Deloitte member firms across Africa when the need arises. Through this strategic approach, Deloitte Global ensures that its member firms consistently deliver exceptional IT audit services, globally.



Short/medium term resourcing

The solution is to provide other member firms with resources to assist on IT audit engagements, due to fluctuating capacity requirements during busy periods.

Remote/Onsite resources

IT Audit services can be provided both remotely and onsite, based on the member firm’s requirements and request.

Specialist advisory resourcing

Providing member firms with advisory specialist skills such as (Cloud solutions, Third Party Assurance, Revenue Assurance)

Key Contacts



Paul Lingenfelder
Senior Associate Director
plingenfelder@deloitte.co.za



Luxmi Reddy
Manager
lramsawhook@deloitte.co.za

Our revenue assurance service offering includes a multi-dimensional assurance approach to client's revenue generation and reporting processes. It includes a data and analytics approach to identifying revenue leakage along with a controls-based approach to recommendations to assist clients in preventing, detecting and resolving revenue leakage issues. Our service can take the form of an outsourced managed-services model or a resource-augmentation model



Key Contacts



Randall Cupido
Director
rcupido@deloitte.co.za



Reeny Thomas
Senior Manager
rethomas@deloitte.co.za



Ritika Pal
Senior Manager
ritipal@deloitte.co.za