

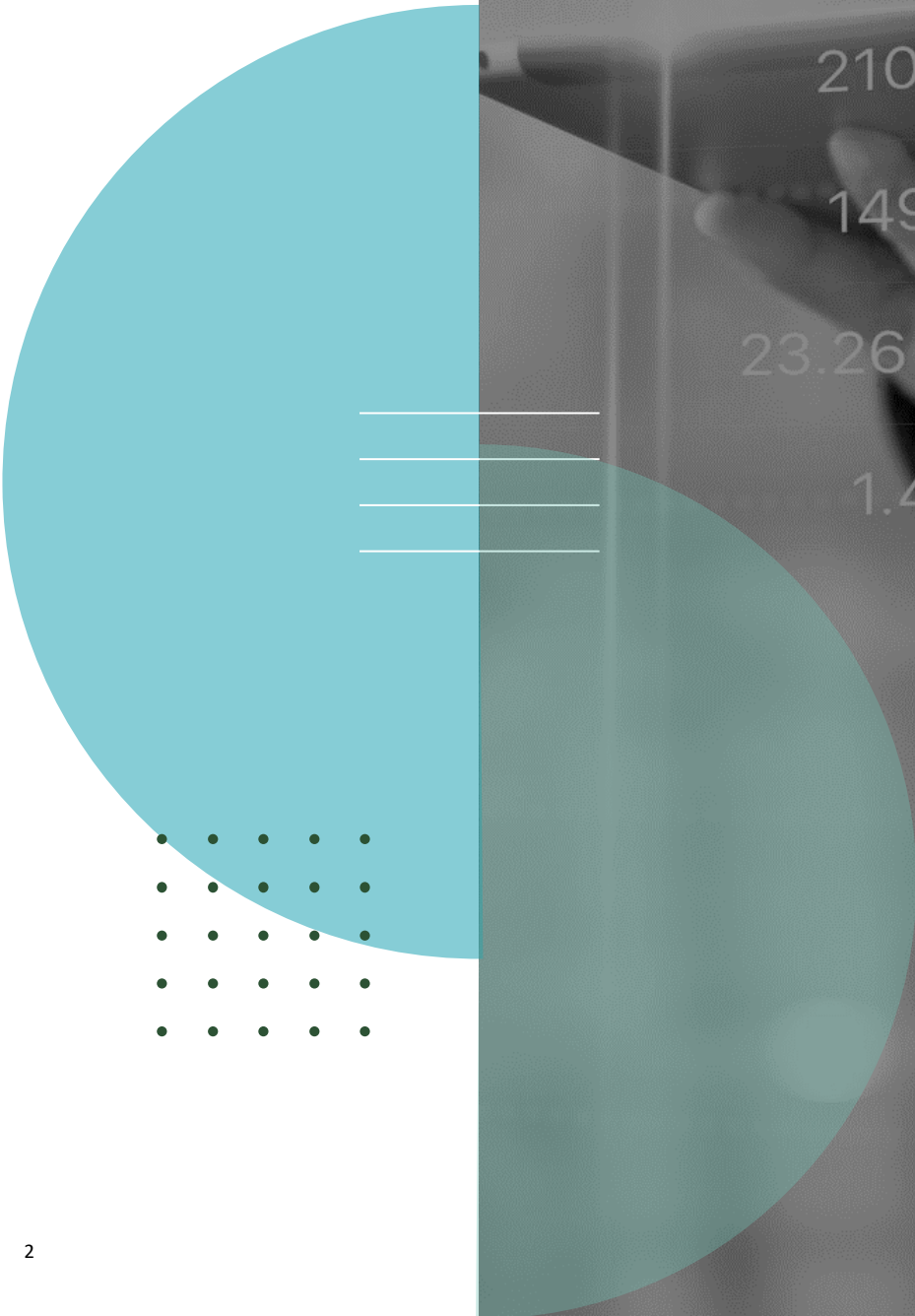


Risk Analytics

Capability card and solution pool

March 2021

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Introduction

The boundaries between digital and traditional ways of work are constantly blurring as technology permeates every facet of modern life. Blending physical and digital experiences has led us on to a 'phygital' world. Large organisations, small businesses, and individuals are increasingly relying on data to perform their day-to-day tasks. Massive sets of data are being analysed by artificial intelligence to give insights.

The flipside to collation and analysis of data providing enormous opportunities, are the underlying risks that come with the 'always on' and 'always upgrading' digital communication ecosystem.

Organisations today are seeking to increase 'risk intelligence' by clearly defining, understanding, and managing their tolerance for exposure to risk.

Advanced analytics capabilities and cognitive technologies enable better visibility into the challenges associated with managing the many types of risk in such key areas as operations, finance, compliance, controllership, and risk management functions.

By using analytics to measure, quantify, and predict risk, leaders can rely more on data-driven insights instead of intuitions.

Our risk analytics capabilities

1. Descriptive analytics



- Bringing data to life to tell stories by delivering deeper, more meaningful insights using data visualisations
- Focusing on trends, outliers, and exception
- Visualising data through strong, creative graphic design skills to enhance user experience for use of data

1.a) Analytics for key business processes



- Helping organisations gain deeper insights into the process to improve efficiency and effectiveness
- Leveraging data generated while managing specific business processes across industries through applied analytics
- Utilising prebuilt analytics for key business process – eg: Procure to Pay, Order to Cash, Inventory, Revenue, Fixed Assets, Expense and General Ledger for major ERP environment

1.b) Industry-specific risk analytics



- Generating fast results through preconfigured, issue-driven, risk-based, industry-specific analytics solutions
- Developing and delivering insights on an ongoing basis, embedding them into workflows, specific business units, or the organisation

2. Advanced analytics



- Identifying hidden risk by leveraging advanced statistical models, machine learning, process mining, and process transformation capabilities and data insights
- Leveraging powerful artificial intelligence to deliver preventive/predictive risk alerts based on models built on transaction history
- Applying machine learning to detect anomalies and raise potential risk flags in near real time

3. Algorithmic risk review



- Background processing of algorithms often functions as “black boxes
- Surfacing of algorithmic risks from the use of data analytics and cognitive technology-based software algorithms in various automated and semi-automated decision-making environments
- Addressing the unattended risks pertaining to these algorithms and mitigate them by scanning the entire process through our risk management framework



Our risk analytics capabilities span across all business functions. Our practitioners have experience and knowledge across a wide range of skill sets including **data and process mining, statistical modelling, data analysis, automation, risk analysis, forecasting, descriptive and predictive modelling, artificial intelligence and machine learning, database management, and cloud analytics.**

Solution and asset pool



Solutions



Continuous Control Monitoring for key business processes



Fin Risk Analyser to accelerate effective book closing process



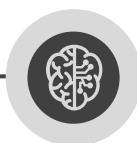
Safety analytics for improving efficiency of issue identification, investigation, and resolution



Analytics for consumer business for effective decision-making



Pharma analytics
Solution hub for pharma-specific process



Project risk and decision Support for deeper insights on the project delay



Advanced analytics
Machine learning approach to identify hidden risk



Algorithmic risk review
to unveil the black box of algorithms

To help organisations rapidly take on the journey of analytics we offer flexible deployment options – **On-demand advisory support** to **on-premise** and **on-cloud** deployment with **Build-Operate-Transfer (BOT)** and **Build-Operate-Maintain (BOM)** models.



Asset



Risk Insights through Analytics (RIA)

Cloud-based analytics platform that delivers self-service analytics and custom analytics solutions directly into the hands of the user

Solution deep dive



Continuous Control Monitoring

Continuous Control Monitoring (CCM) solution uses tools and technologies to increase organisations' capacity to anticipate risk and maximise business opportunities through data-driven insights. CCM empowers organisations to focus on compliance, cost optimisation, and operational efficiency for key business processes. Some of the popular areas for application of CCM include

- Procurement
- HR & Payroll
- Freight
- Travel & expense
- Order to Cash
- Logistics
- Inventory
- Master data management



Fin Risk Analyser

Fin Risk Analyser (FRA) is a highly customisable tool that facilitates a comprehensive analysis of accounting entries and provides a 360-degree view of transactions posted during the book closing process. It enables the management to monitor unusual transactions (manual entries, dormant users, GL accounts anomalies, etc.) using trial balance and journal entry data.



Analytics for consumer business

High-quality analytics dashboard pertaining to consumer business specific processes like revenue, plant, and branch operations etc. hosted on a cloud platform that are easily accessible in a consistent manner and hence increasing the ease of access for non-technical users and empowering management to make insight-based decisions.



Pharma analytics

The pharma process analytics solution (e.g. field force, solvents, doctor expense) provides decision support for CFOs and management using data insights to weigh in on strategic challenges. It also brings process efficiency by identifying opportunities for process optimisation, digitisation, and automation.



Safety analytics

Safety analytics helps in monitoring safety KPIs and highlighting the areas which need immediate focus. It is driven by Artificial Intelligence and robotics to recognise patterns and events by 24x7 monitoring. The solution features cross-source data correlation, machine learning, risk-based alerting, and dynamic data visualisation.



Project risk and decision support

This solution provides an integrated system which gives insights on project delay, its root causes, and financial impact. It brings visibility and predictability for faster data-based decision-making for projects, by predicting activity and project delays using simulation-based statistical models, defining cost allocation and providing insights on the financial impact of delays.



Advanced analytics

This solution evolves around identifying hidden risk by integrating advanced models, machine learning, process mining, and process transformation capabilities with data insights. It leverages powerful artificial intelligence to deliver preventive/predictive risk alerts based on models built on transaction history. It applies machine learning to detect anomalies and raise potential risk flags close to real-time.



Algorithmic risk review

Algorithms run in the background and often function as "black boxes". With their internal workings and functioning largely hidden from developers and end users, monitoring algorithms can be difficult. Further, they may subject organisations to unanticipated risks. Our solution aims to address the unattended risks and mitigate them by scanning the entire process through our risk management framework.

HEALTH SERVICES

RETAIL TRADE

TECHNOLOGY SERVICES

FINANCIAL

TELECOMMUNICATIONS

UTILITIES

CONSUMER SERVICES

COMMUNICATION SERVICES

COMMUNICATION

TRANSPORTATION

CONSUMER NON-DURABLES

PHARMACEUTICALS

+1.21%

+2.90%

+1.06%

+0.23%

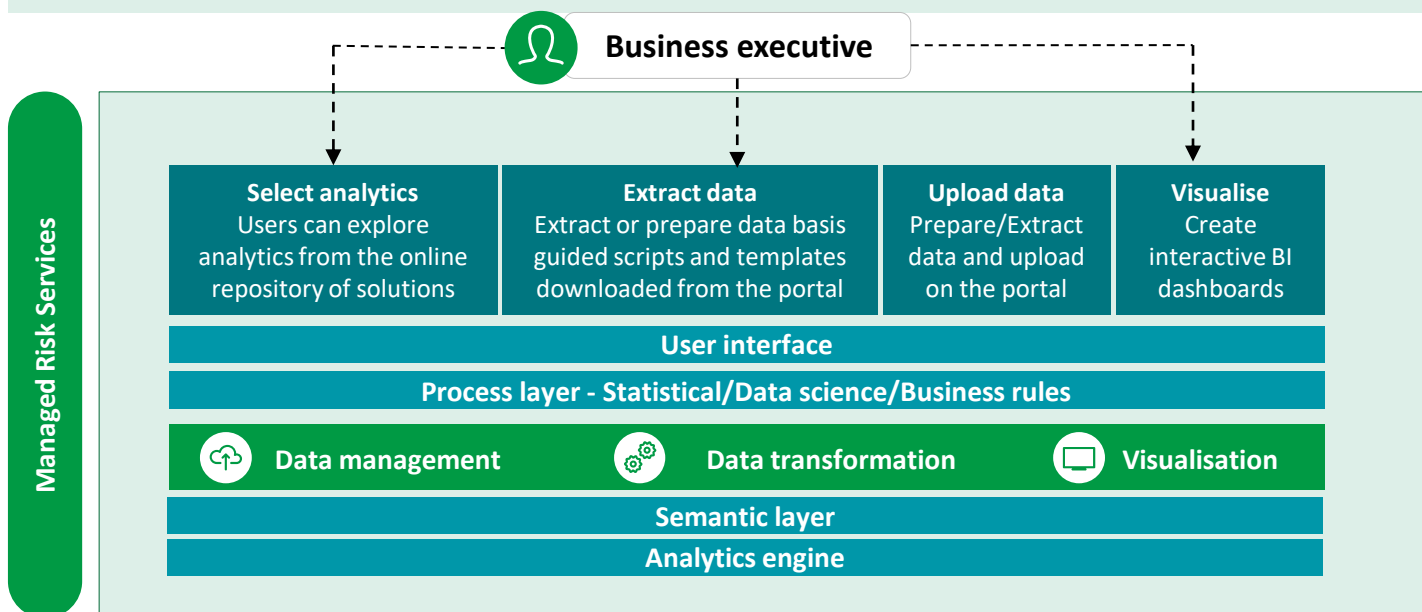
+0.17%

Asset deep dive

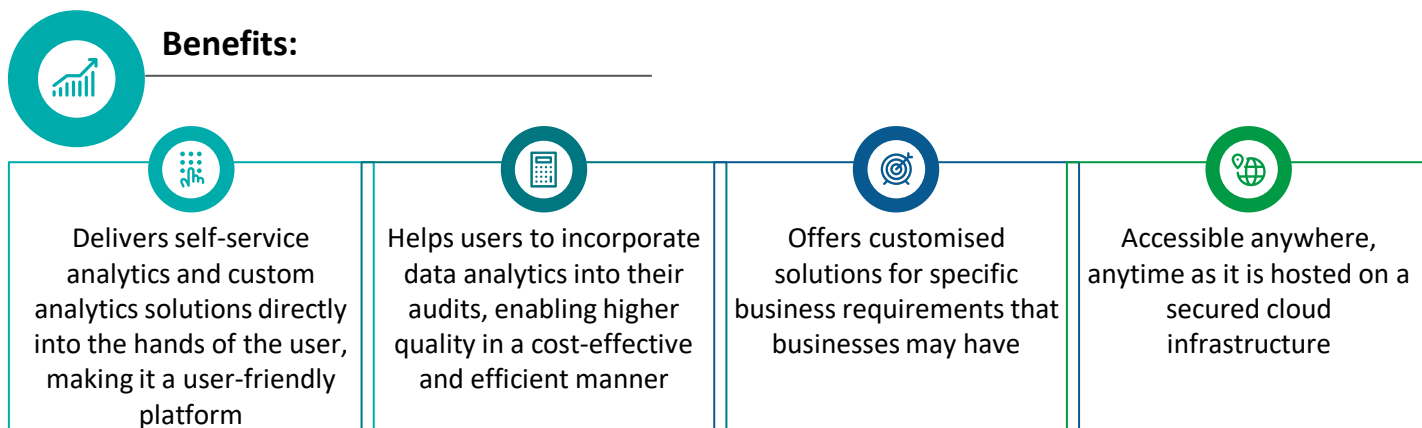


Risk Insights through Analytics (RIA)

Integrated analytics application dedicated to analysing risks applicable to business processes across industries and sectors



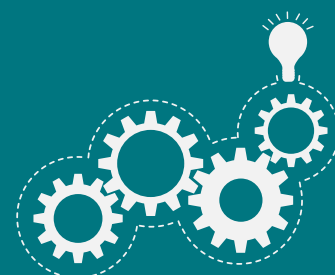
Benefits:



Conclusion

We take pride in taking an integrated approach of using our analytics capabilities with industry experience to drive outcomes that address our client's issues. Our business and industry knowledge helps clients seize the opportunity to better manage risks across a diverse range of topics, from compliance to process transformation.

Together, we help organisations take an intelligent approach to risk. Our cost-effective, customisable delivery models can be used to deliver analytics-driven insights anytime.



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