IT Internal Audit and Supporting IT Solutions

KPMG Technology Assurance

Have you experienced that the internal audit reports do not reflect the tendency of increase in IT security challenges? You plan to invest in the development of the internal IT audit system, yet your company is still vulnerable to high-level IT security risks? Do you wish to achieve strategic advantage using IT technologies while managing related IT risk at the same time?

Asset preservation is of utmost importance for all companies. However, achieving this goal can be challenging as business-related IT processes can be very complex and traditional means of internal audit are often incapable of hindering the abuse of IT systems. Consequently, a complex approach is required in order to establish an effective internal audit system which can monitor various areas at the same time, for instance both processes of general IT security and of specific enterprise resource planning (ERP) functions.

According to our experience, many more enterprises feel the need for external professional support in this field than the number of those who actually involve external experts. Nevertheless, when the framework and goals of an IT internal audit are permanently determined by capacity limits rather than by real risks, it is not guaranteed that the company can protect its assets.

Do the following issues sound familiar to you?

- While revenue generating departments of your company significantly rely on automated IT systems (e.g. e-commerce and logistics systems), your IT internal audit group in many cases uses manual methods and thus cannot keep up with business processes.

- Your company lacks a framework for real-time monitoring (CA/CM - continuous auditing/continuous monitoring) of controls built into business related (e.g. manufacturing process and inventory control) IT processes. As a result, the management lacks up-to-date internal audit information to rely on for its decision making.

- Management does not receive objective information on the state of the company's IT internal audit system, nor on necessary developments. The IT internal audit department feels paralysed due to the permanent gap

Preserving assets

| Static IT internal audit | Dynamic IT internal audit | Real-time IT internal audit |

Creating value
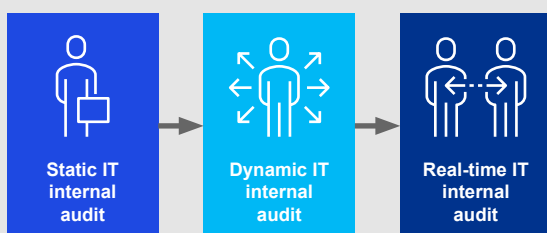
between its stagnating abilities and the increasing risks it faces (e.g. of organised crime related to online banking, online payment and other financial systems).

- Recruiting its own team of IT internal audit experts would be very expensive for your enterprise, while it might also take too long to train current employees further, not to mention the lack of such training on the market that really fits your business needs.

How can we help?

Via operation, audit and development of IT internal audit systems KPMG's service offering as described below support clients with preserving the integrity of their business assets.

- **Process optimisation:** Following KPMG's "K'SPRint" methodology we perform an overall audit on your IT internal audit system. Based on the results we assemble a development plan. We uncover problems in the organisational system, resources and processes on which IT internal audit tasks rely, and create interfaces between internal audit and ERP systems in order to increase efficiency.

- **IT asset development:** We implement CA/CM solutions to enable real-time monitoring of business-related IT processes; and we implement IT applications that support automation, documentation, as well as planning and evaluation of the monitoring.

- **Professional support:** in IT specialist tasks: We uncover fraud (e.g. in relation to invoices, procurement and money laundering), perform mass data analysis (e.g. review of data migrations, credit portfolios and general ledger data), highlight risks related to authorisation and access rights, and identify vulnerabilities of the IT system (among others, through network reviews and penetration tests). We review IT solutions and proposals of external contractors from the perspective of functional and security audits.

- **Training:** We prepare your internal auditors for the operation of IT systems within the framework of a training programme tailored to your enterprise's needs.

What advantages do we bring?

Our IT internal audit related services enable you to recognise in time risks that arise during the company's course of business and handle them in accordance with the current international standards being applied. With our help you can get real-time IT internal audit information for your strategic decision making. By ensuring its integrated operation with your company's other governance solutions, we facilitate your enterprise's IT internal audit department so that it takes part not only in preserving the company's assets but also in value-creating processes.

If you feel these issues are relevant to your business, please contact us for further details:
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