

CMS IT Services' Risk Governance and ISMS Controls Framework Evaluation, Enhancement, and Implementation of Best Practices improves Security posture of Global Bio-solutions Leader



CUSTOMER

The customer is the world's largest bio-solutions and fifth-largest agrochemical and food systems company. Present in more than 130 countries with over 40 manufacturing locations and 10,000 employees globally, they have market access to 90% of the world's food basket. They offer an integrated portfolio of both patented and post-patent agricultural solutions. With 1400+ granted patents, and 100+ technology evaluations per year with a strong technology partner network of more than 80 collaborations, there is immense focus on ushering progress via tech and analytics for the complete agricultural value chain of growers, distributors, suppliers, and innovation partners.

THE CHALLENGE

In today's ever-evolving dynamic business landscape, internal and external threats and their effective mitigation are an unavoidable part of business operations. Hence, the client has developed and implemented a robust risk management framework. Two primary points in the charter are,

- To identify, assess, prioritise, treat, monitor, and report business risks arising out of internal and external factors that can affect strategic objectives,
- To integrate risk management processes with other assurance providing functions

Operating at a global level led to a greater reliance on internet-based applications and a subsequent increase in the risk of data breaches. The customer believed asset safeguarding can be achieved by exercising adequate internal controls and ensuring procedural standardisation and tasked CMS IT with the following objectives,

- Assess the current logical and physical security posture and effectiveness of implemented controls
- Determine adequacy and efficiency of existing controls conjoining effectiveness of existing ISMS framework and robustness of implemented controls
- Enhance existing cybersecurity control procedures with global best practices and standard operating procedures aligning to security policies.

THE SOLUTION

CMS IT deployed a viable solution in two discreet phases subdivided into multiple activities. The first phase reviewed Logical Security Control procedures while the second looked into Physical Security Control procedures. The activities and sub-activities are elaborated further,

1 Due Diligence interviews and focus group discussions

Initiated project with engagement and planning and identifying Stakeholders and roles to layout success criteria and detailed list of deliverables.

2 Reviewing Cybersecurity Policies

Assessed business and technical controls to identify weak and redundant as well as optimized controls to increase productivity.

3 Assessing Operational Logical Infrastructure

Reviewed the assessed risks and the mitigations done and mapped the established Security Objectives and Control Operational procedures to be applied to respective computing, networking, and data infrastructure.

4 Determining Adequacy and Efficiency of existing controls

Mapped the existing control procedures to the recommended SOPs and structured all existing control procedures to provide a Gap Assessment report showing their adequacy (completeness of the control) and efficiency (ability of the control to reduce risks).

5 Updating Control Procedures

Obtained results of risk assessments and RACI performed on the identified Critical Computing Infrastructure, validated security objectives, and determined all SOPs required to implement the policies based on the NIST Cybersecurity Framework and ISO27002. Control Procedures were also updated.




6 Establishing Best Practices and Documenting

Presented the Recommended SOP structure and published version-controlled Control Procedures, mapped to Policies and the Assessed Risks, as well as updated Control Procedures and the Governance Program that can monitor the implementation and compliance of the Control Procedures both for internal staff and outsourced third parties.

BENEFITS



We are a leading provider of System Integration and Managed Services. As one of India's top IT Services firms, we offer an integrated portfolio of products, solutions and services, built around Automation, Cloud, Cybersecurity & Digital. Currently, CMS IT Services has over 6500 employees and serves more than 300 leading enterprises across key industries.

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