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Safe AI

RISK ANALYSIS WITH CMMI AND ANONYMOUS AI

FROM A BUSINESS DEVELOPMENT PERSPECTIVEAUTHOR

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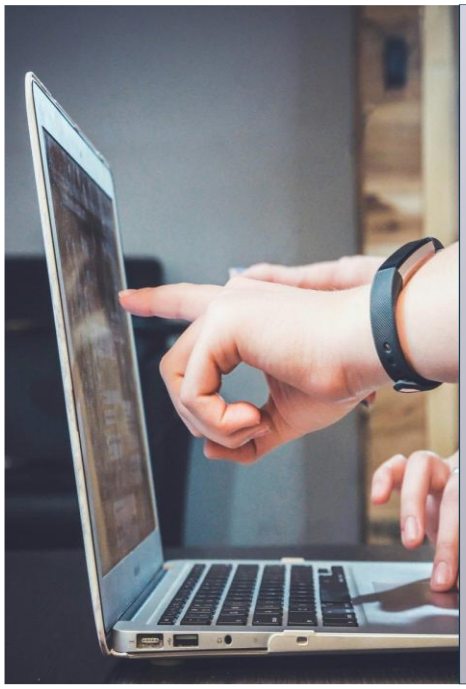

Secure Risk Management

- For many organizations, it is crucial that certain parts of company information remain protected.
- Risk analyses often—but not always—contain sensitive information that requires special handling.
- Riskmanager AI for Windows offers a secure and encrypted environment, both at rest and during transmission.
- AI services run via an anonymous external server to guarantee data integrity and confidentiality for your AI queries.
- The locally installed risk database is encrypted, as are all automatically generated PowerPoint presentations, PDF reports, and diagrams.This ensures the highest possible protection for both internal and external distribution.
- If needed, you can consolidate your encrypted analyses via encrypted transfer to a master database for centralized and secure risk management.

Secure and Encrypted Risk Management

The system is designed for organizations where information must be protected.

All data is encrypted: the local risk database, reports, PowerPoint files, and data transfers.

AI queries are processed through an anonymous external server to ensure confidentiality.

Analyses can be consolidated into a central master database via encrypted transfer.

Automated AI Functions

The AI can generate:

- Risks (including highly specific ones, e.g., cyber risks in autonomous vehicles)
- Consequences
- Mitigation actions
- Probability assessments (an advanced and unique feature)

The system includes automated assessment criteria for maturity and consequence levels.

Alg100 – Calculation of Deficiency Value

The Alg100 algorithm is used to calculate the deficiency value according to:

Maturity × Consequence = Deficiency Value

Scale 1–100:

- 1–5: Negligible
- 6–24: Moderate
- 25–35: Significant
- 35–100: Severe

This provides a clear visual prioritization of risks.

Structured Workflow

The system follows a structured CMMI-based workflow:

- Identify or AI-generate risks
- Identify or AI-generate consequences
- Assess consequences
- Assess maturity
- Assess probability using AI
- Determine or AI-generate mitigation actions
- Specify risk owner, date, and status
- Follow up and revise

Visualization and Communication

The system automatically generates charts for maturity and deficiency values.

Risks and reports can be distributed securely, both internally and externally.

Advanced Probability Assessment

The method offers a highly advanced and unique AI function for probability assessment

System Architecture

- End-to-end encryption between users, server, and data storage
- Anonymous AI server via the OpenAI API
- Support for multiple users and a central master database