



Emanti Management Solutions

Sector Approved Tools

Transform Business Risks into Business Opportunities

- Do you have a process in place that identifies organizational business vulnerabilities and risks?
- Have you been struggling with identifying what your biggest challenges are and how to prioritise implementation of mitigating actions?
- Are you currently performing active monitoring of the implementation of your identified mitigating actions?
- Have you managed to successfully integrate risk management activities into your organization?

Emanti have developed a suite of tools to help organizations identify business vulnerabilities and manage risks to improve the reliability of their services/systems both within and outside the organization. These tools are housed on our **RiskQ** platform, which has been developed to provide assistance with:

- Identifying and understanding vulnerabilities and risks
- Prioritising, planning and implementing measures to control and manage these vulnerabilities and risks

Our simple, yet powerful, and proven generic methodology is applicable to any industry with vulnerability and risk management concerns. In particular, our tools and methodology are flexible, and can be customised for your particular sector/industry.

www.riskq.co.za

By way of example, Emanti has been at the forefront of municipal water service vulnerability assessments in South Africa and associated action plans for helping municipalities/utilities with reducing their vulnerability on a day-to-day basis. Our methodology differs from others in it is designed to predict problems before they occur, and seeks to capacitate your staff so that they can manage their systems more effectively.

Importantly we help you to work better as a team and to systematically tackle and address your biggest challenges.

Vulnerability and Risk Assessments

A vulnerability/risk assessment is a step by step evaluation that aims to identify key business vulnerabilities/risks, and to reduce these vulnerabilities/risks through corrective/improvement actions. An effective vulnerability/risk assessment identifies critical business aspects (e.g. critical processes, assets). The vulnerability/risk assessment provides a framework for developing vulnerability/risk reduction options and determining associated costs to enable this.

Features of **RiskQ** tools include:

- Guided self-assessment
- Easy to complete/immediate feedback
- Communication tools
- Awareness/education tools (capacity building)
- Checklists to ensure things get done
- Identifying vulnerabilities/risks/gaps/areas of need
- Encouraging to think about and address all aspects

RiskQ allows users to conduct both vulnerability and/or risk assessments:

- Vulnerability assessment - is an assessment of an exploitable weakness or deficiency (i.e. the assessment of probability or likelihood of a threat or challenge occurring).
- Risk assessment - is an assessment of the combination of (i) the probability of a threat or challenge occurring and (ii) the consequence should it happen (i.e. impact).

The current tools in the **Risk Q** toolbox include:

1. **WRC Water Safety Plan***
2. **WRC Water Safety Plan Status Checklist**
3. **WRC W₂RAP (Wastewater Risk Abatement Plan)***
4. **WRC W₂RAP (Wastewater Risk Abatement Plan) Status Checklist**
5. **Other language WSP tools (Zulu/Afrikaans) WNK Water Veiligheids Plan (Afrikaans WRC Water Safety Plan)**

The above specialized tools have been developed to assist local government/utilities with the development of Water Safety Plans and Wastewater Risk Abatement Plans for drinking water and wastewater systems respectively. This ongoing partnership with the Water Research Commission (WRC) has allowed for the updating of the tools as determined by sector requirements.

6. **Municipal Strategic Self-Assessment of Water Services (MuSSA)***
7. **Wastewater Technology Decision Support**

The spreadsheet-and web-based wastewater technology decision-support tool assists decision makers at Water Services Authorities (WSAs) with selecting the most appropriate wastewater treatment technologies for their municipalities. Aspects to be considered include, for example, community size, land availability, rural vs. urban, complexity of operation and maintenance and associated available human resource capacity, and considers both existing sites (requiring upgrading/refurbishment) and new sites (greenfields). The tool will also encourage WSAs to meet effluent quality standards according to required regulations and protect surface water bodies.



* separate detailed solution sheet available

8. Business Health Assessment

The main aim of this tool is to assess the state of readiness of an entrepreneur, whether proposed business plans are feasible and whether businesses are adhering to required standard practice, accounting protocols, etc. (i.e. will the investment made be money well spent?). The Business Health Check process enables a positive and educational dialogue, with areas of weakness clearly shown. In addition, skills development needs, incubator support needs, and mentoring/coaching needs are clearly shown. The entrepreneur is therefore able to plan supportive measures to reduce Business Risk.



9. Climate Change Adaptation Vulnerability Assessment

10. **Waste Stabilization Ponds Assessment Tool WRC**
11. **WRC waterVUL - Water Infrastructure Vulnerability Assessment Tool**
12. **Mine Water Management Vulnerability Assessment**

The above are examples of what can be developed. If you have different vulnerability and/or risk challenges, the existing suite of tools can be easily harnessed and amended to address your particular needs via the **RiskQ** platform.

Please contact us if you are interested in any of the above mentioned tools, or if you would like to develop and/or web-enable a solution to your particular circumstance.

- Do you know how to identify the key vulnerabilities that your organization faces, and what strategies need to be implemented to address these gaps?
- Do you struggle to keep track of what the priority or essential tasks are that you need to address?
- Have all the vulnerabilities/risks at all sites that you manage been identified?
- Do you know how to integrate risk management aspects within your normal day-to-day business activities?

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