

# NATIONAL CYBER RISK MANAGEMENT CHALLENGE AND SOLUTION

*As a leading provider of cyber risk management solutions, Cytegenic provides an automated end-to-end solution that encompasses the entire scope of cyber risk management.*

Cyber threats are here to stay. This simple fact is well known for businesses and governments alike. However, while a business has to take care of its organization, assets, clients and employees, the task for government is much larger. In a nutshell – to build a comprehensive, interactive and forward looking (not just reactive) infrastructure to assess, plan, mitigate and share knowledge about cyber risks. Important to note – deployment of cybersecurity measures is a fraction of cyber risk management. The cyber battlefield is ever changing. To suffice with strengthening borders against known attacks is obsolete. Cyber risk management, based on intelligent matching threat landscape against best practice of security posture is a must.

## Objectives of a national cyber risk management program:

- Bring cyber risk management to all relevant companies, state and local GOV agencies
- Monitoring of cyber risk profile based on quantified intelligence and periodic controls maturity assessments
- Provide platform to distribute and enforce cyber risk and security regulations
- Provide centralized risk visibility per sector, geography and sub-categories as needed
- National independence in deployment of risk management good practice and sector specific policy
- Unified database for benchmarking and statistics

## Key Requirements from national cyber risk infrastructure solution:

- Robust cost-effective solution
- Easy self provisioning and self security posture assessment
- Quantified intelligence
- Automated computation of risk scores
- Several levels of granularity and validation
- Option for gradual scalability
- Support to multi standards
- Support to local, regional and national management layers

## ABOUT CYTEGIC

**Cytegenic's automated end-to-end solution encompassing the full scope of cyber risk management.**

**Cytegenic's patented, scientific approach provides digital related risk oversight across the organization and compile your risk report with recommendations for what needs to be prioritized regarding your Cyber Risk appetite.**

# NATIONAL CYBER RISK DEPLOYMENT PROGRAM:



## National Cyber Risk Cloud

- Secured cloud platform isolated from any defensive technology or operational systems.
- Deployment per sector/geography or any sub category as required

## Cyber Rapid Self Assessment

- Several levels of assessments: Self Assessment, Technology Validated Self Assessment, Complete Assessment, Continuous Monitoring
- Adaptive solution per business sector, organization size, government agencies.

## Central Intelligence Quantification

- Quantification of behavior of attackers and attack methods of assets, sectors, geographies.
- Automatic reading of multiple languages including Russian, Chinese, Arabic and more with option for expansions

## National Fusion Center

- Centralized dynamic view of cyber risk across segments
- Deep-dive capabilities re security posture and threat landscape
- Forward looking planning and simulating

The most important element of the National Cyber Risk Management Program is gradual, well managed deployment. A monolithic program may look nice on paper but with size and complexity it may collapse under it's own weight. Step-by-step deployment with many small wins is the recommended strategy for such a program. A team of experts from relevant department together with our team will be able to articulate a detailed plan to be presented to decision maker in a short preliminary project.

## CONTACT CYTEGIC

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