

RAM² Essentials

Ensuring resilient and continued production, OTORIO's automated risk assessment, monitoring, and management (RAM²) platform is the next-generation cybersecurity solution for digitized industrial networks. RAM² Essentials, the entry module of the RAM² family, is a quick deploy, easy-to-use risk mitigation and compliance management solution that enables operational teams to focus only on high operational impact risk reduction.

Industrial Cybersecurity Made Simple

The automation and connectivity of industrial networks have introduced unprecedented operational efficiencies. At the same time, they also increase the risk of cyberattacks targeting the operational network.

RAM² Essentials provides operational contextual assets visibility and prioritized, actionable risk reduction recommendations through straight-forward intuitive mitigation steps. For the first time, RAM² Essentials enables automation engineers to quickly identify and mitigate potential risk and ensure ongoing resilient production.

Focus on Risks with High Operational Impact

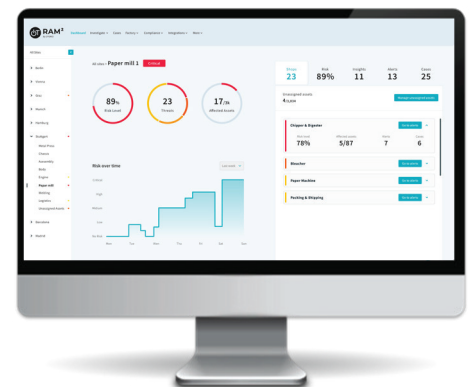
RAM² Essentials detects assets across the industrial network using multiple sources within the digitized industrial network including network devices, industrial systems, Firewalls, as well as its own built-in sensor.

Based on OTORIO's diverse vulnerabilities database, RAM² Essentials identifies CVE's in the industrial network and maps them to assets. The updatable database includes distinct industrial vulnerabilities discovered by OTORIO's industrial cybersecurity research team as well as known CVEs.

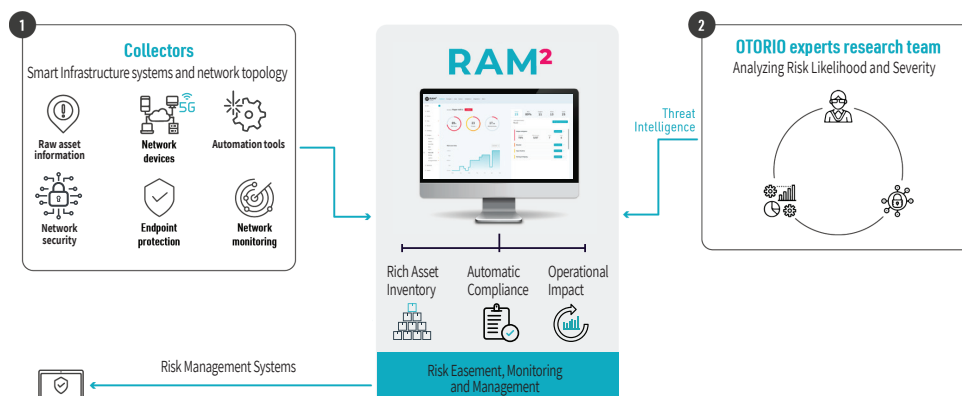
RAM² Essentials automatically associates assets to the operational processes in order to calculate risks based on their operational impact. Finally, RAM² Essentials generates actionable mitigation steps and a coherent, comprehensive operational cyber risk view.

Benefits

- Obtain unmatched contextual assets inventory
- Proactively reduce cyber risks in operational networks
- Focus on risks with high operational impact
- Simplify compliance fulfillment
- Enhance security posture visibility
- Apply simple mitigation steps
- Enable risk mitigation delegation
- Provide automatic reports



RAM² Essentials Architecture





Key Features

Asset Inventory and Management

- Contextual asset inventory
- Simplified, non-intrusive data collection
- Discovers all assets within the OT network
- Monitors changes in asset inventory
- Maps assets to production process
- Calculates the risk based on business impact

Detailed Dashboards

- Factory overall health – risks, compliance, alerts
- Specific site health
- Assets inventory and risks
- Prioritized vulnerabilities
- Prioritized alerts and mitigations
- Compliance overview

Vulnerabilities Assessment & Mitigation

- Distinct research-based OT vulnerabilities
- Multiple-sources vulnerabilities
- Maps assets to vulnerabilities
- Correlate severity with operational impact
- Prioritize vulnerabilities according to severity
- Presents feasible mitigation steps

Continuous Compliance Tracking

- Simplify compliance governance
- Continuous compliance mapping
- Dynamic compliance score
- Granular score-category, site
- Multiple policies, e.g. NIST 800-82, IEC-62443,
- Compliance fulfillment recommendations

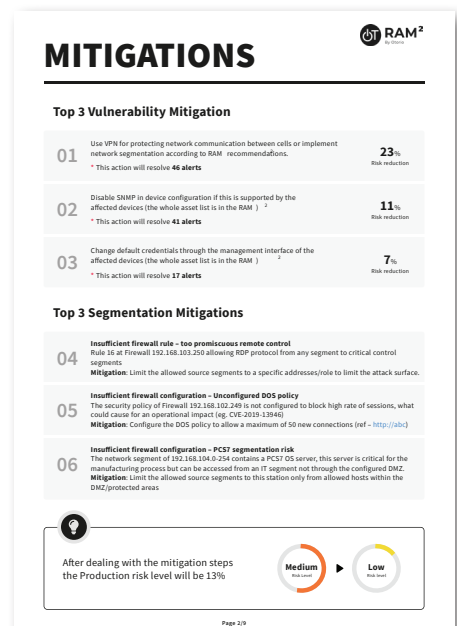
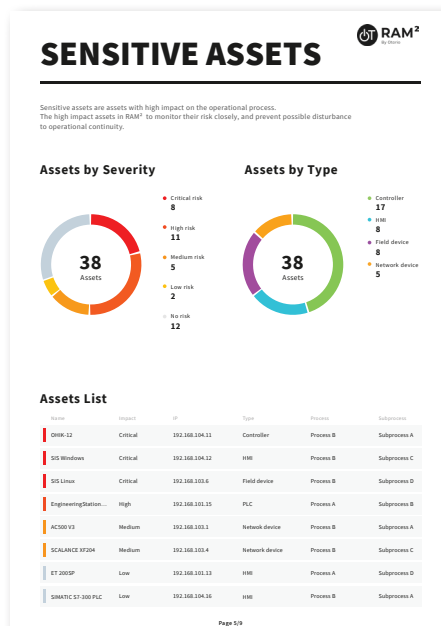
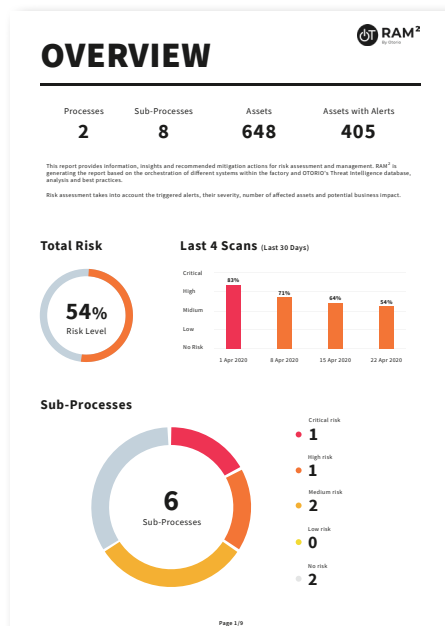
Network Segmentation Assessment

- Identify segmentation gaps
- Intuitive and prioritized action items
- Reduces the attack surface

Reports

- Ensures transparency and cooperation
- Customizable for different needs and stakeholders
- Automatic reports
- Asset inventory reports
- Vulnerability assessment reports
- Site and operational risk overview reports

Clear and Concise Reports





OTORIO's RAM² Solutions Family

RAM² Essentials is an easy-to-use risk mitigation and compliance management solution that enables focusing only on risks with high operational impact.

RAM² Professional features contextual assets visibility, risk prioritization based on operational impact, continuous compliance, alerts correlation, meaningful insights, case management, digital twin, breach and attack simulation, and SIEM integrations.

RAM² Enterprise provides central management for RAM² Essentials or RAM² Professional that are deployed in multiple sites, providing a transparent organizational governance capability.

	RAM ² Essentials	RAM ² Professional
RAM² Single-Site		
Contextual Assets Inventory	✓	✓
Assets Changes Management	✓	✓
Vulnerabilities Assessment	✓	✓
Proprietary OT Vulnerabilities Database	✓	✓
Asset Vulnerability Risk Score Based on Operational Impact	✓	✓
Granular Dashboards	✓	✓
Prioritized and Feasible Mitigation Steps	✓	✓
Continuous Compliance Management	✓	✓
Network Segmentation Assessment	✓	✓
Granular Reports	✓	✓
Meaningful Cross-Site Research-Based Insights		✓
Case Management		✓
Mitigation Playbooks		✓
Digital Twin		✓
Breach and Attack Simulation		✓
IT SIEM/SOAR Integration		✓
APM/CMMS Integration		✓
RAM² Enterprise		
Governance of Multiple RAM ² Sites	✓	✓
CISO Dashboards and Insights	✓	✓
Enterprise-Level Risk Assessment	✓	✓
Enterprise-Level Compliance Governance	✓	✓
Enterprise-Level Reports	✓	✓
Aggregated Insights		✓
Risks Trends and Statistics		✓
Cross-Sites Compliance Analysis		✓

About OTORIO

OTORIO delivers next-generation OT security and digital risk management solutions that ensure reliable, safe and efficient industrial digitalization. The company combines the professional experience of top nation-state industrial cybersecurity experts with cutting edge digital risk management technology to provide the highest level of protection to the manufacturing industry.