Materna Enhances Cyber Resilience with Radware and net-select

CUSTOMER:

Materna

INDUSTRY:

IT Services – Public Sector & Enterprise Infrastructure

SOLUTION:

Hybrid DDoS Protection (On-Prem + Cloud Scrubbing)

CHALLENGES FACED:

↗ Protection of mission-critical infrastructure and services

↗ Compliance with strict German BSI cybersecurity regulations

↗ Integration with existing VPN and MTU configurations without disruption

Overview

Materna is a leading IT services provider that supports public sector institutions and international enterprises with critical infrastructure solutions. As DDoS threats increased in frequency and sophistication, Materna needed a comprehensive, high-performance mitigation strategy to ensure service availability and regulatory compliance. By partnering with Radware and its implementation partner net-select, Materna deployed a hybrid DDoS protection solution combining on-prem defense and cloud-based traffic scrubbing, backed by expert support and real-time visibility.

Challenges

Protecting Sensitive Environments: Materna manages services for clients across sectors including critical infrastructure. Even minor disruptions could have serious operational and reputational consequences.

BSI Compliance: Materna was required to meet cybersecurity guidelines from Germany's Federal Office for Information Security (BSI), demanding robust, auditable protections.

Technical Integration Requirements: VPN configurations mandated MTU-compliant lines to avoid tunnel conflicts and preserve service continuity.

Scalability & Response: Materna needed a solution that could scale to deflect large-scale attacks while delivering fast mitigation and expert support during incidents.

Solution

Materna implemented a hybrid Radware DDoS protection strategy, deployed and supported in collaboration with net-select:

↗ **On-Premises Mitigation:** Radware's DefensePro appliances were installed at Materna's data centers to detect and mitigate low- and mid-volume attacks locally.

↗ **Cloud-Based Scrubbing:** For volumetric threats, traffic is rerouted to Radware's cloud scrubbing centers in Frankfurt and Amsterdam, where malicious packets are removed before reaching Materna's infrastructure.

↗ **Infrastructure Integration:** MTU-compliant direct lines were deployed to maintain compatibility with existing VPN tunnels and prevent packet loss or performance degradation.

↗ **Expert Response:** Radware's Emergency Response Team (ERT) provides guaranteed 10-minute response times and ongoing expert support under a robust SLA.

↗ **Threat Visibility:** Materna leverages Radware's Cloud Visibility Portal for real-time analytics and proactive monitoring.

Benefits

↗ **Robust Threat Mitigation:** Materna now blocks over 1 million DDoS events per day across its environments without service degradation.

↗ **BSI Compliance:** The implementation meets regulatory expectations while supporting auditability and resilience.

↗ **Operational Simplicity:** The hybrid setup reduced pressure on internal teams and required no changes to VPN infrastructure.

↗ **Minimal False Positives:** Detection is precise, with rare false alerts (e.g., an airport Wi-Fi IP) quickly identified and resolved.

↗ **Cost-Effective Protection:** The solution delivers strong ROI, offering advanced protection at a reasonable total cost of ownership.

↗ **Reinforced Trust:** By preventing disruptions and improving visibility, Materna strengthened its reputation as a secure and proactive IT partner.

Conclusion

With Radware and net-select, Materna has deployed a future-ready DDoS protection strategy that balances security, performance, and operational simplicity. The hybrid solution provides uninterrupted service across critical client environments, while meeting strict compliance mandates and reducing IT workload. Radware's deep threat visibility, MTU-compliant integration, and guaranteed response SLAs give Materna the confidence to support its public and enterprise clients without compromise.

The solution fits us perfectly: high security with minimal impact. The interface is intuitive, the implementation was smooth—and our employees didn't even notice a change in their day-to-day work. That's exactly how it should be."

– Gunnar Prasse, Manager Managed Services Operations Infrastructure, Materna

Projects like this show how important clear communication, technical know-how, and reliability are. With Radware, we've established a cybersecurity solution that effectively protects against the DDoS threat vector."

– Magnus Ludwig, Senior Network Consultant, net-select

To learn more about how Radware DDoS Protection Solutions safeguard your organization

Contact Radware