

# Security audit and penetration testing to protect corporate data and ensure compliance



**Client:** A leading company in the Mining, Oil & Gas sector operating across multiple international markets.

## Challenge

The company relied on a widely used CRM system to store sensitive business information, manage operations, and process key corporate communications. Given the scale of operations and the critical nature of stored data, the client wanted to ensure complete protection against data leaks and infrastructure breaches. **Key challenges included:**

**Data confidentiality:** The CRM contained classified corporate documents, financial data, and operational records that required enhanced protection.

**System vulnerabilities:** The client needed to confirm that internal access points and integrations were properly secured and free from exploitable flaws.

**Regulatory compliance:** The company sought to verify GDPR alignment and minimize the risk of penalties related to data breaches.

**Operational continuity:** Any system failure or leak could lead to financial losses, payment freezes, and damage to the company's reputation.

## Solution

ZONE3000's cybersecurity team conducted an audit of the client's CRM infrastructure to uncover vulnerabilities and assess potential business impact. **Key steps included:**

### Penetration testing

Simulated targeted attacks on the CRM system to identify exploitable weaknesses and unauthorized access paths.

### Infrastructure audit

Assessed the security of encrypted file storage and internal network configurations to detect gaps that could expose corporate data.

### Risk assessment

Analyzed the potential financial and operational impact of each identified issue, including GDPR-related penalties and possible payment disruptions.

### Remediation plan

Delivered a detailed report outlining all weaknesses, their severity, and actionable recommendations for both the client's IT team and the CRM software developer.

## Results

The project resulted in significant improvements in data protection and compliance readiness:



### Vulnerabilities eliminated

All identified weaknesses were documented and addressed by the client and the CRM software developer.



### Enhanced data security

ZONE3000 implemented preventive measures and provided guidance based on MITRE best practices to strengthen data protection.



### Financial compensation

The client received reimbursement from the CRM provider due to detected system flaws.



### Strategic decisions

The company is now evaluating alternative CRM solutions with higher data protection standards.

The collaboration with ZONE3000 helped the client strengthen data security across all operations, reduce compliance risks, and safeguard its reputation in the Mining, Oil & Gas sector.



**Roman Dzvinka**  
Chief Revenue Officer

+380 67 505 72 96

roman.dzvinka@zone3000.net