# Securing Chemical Manufacturing: How a Leading Chemical Company Enhanced Cybersecurity and Compliance with Invinsense

## About the Customer

This Vadodara-based chemical manufacturing company specializes in producing a wide range of chemical intermediates, catering to industries such as pharmaceuticals, agrochemicals, and dyes. With multiple manufacturing facilities across India, the company plays a pivotal role in the chemical supply chain.

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| Industry | Chemical Manufacturing |
| Challenge | Protecting critical infrastructure and ensuring compliance across complex operations |
| Solutions Used | Invinsense XDR, XDR+, OXDR, GSOS |

## The Challenge

As the company expanded its operations, it faced several cybersecurity and compliance challenges:

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| Complex attack surfaces due to integration of IT and OT systems | Increased risk of data breaches with the handling of sensitive operational data | Compliance requirements with global standards such as ISO 27001 and SOC 2 |
| Limited visibility into real-time threats across diverse systems and geographies | Need for proactive threat detection to prevent potential disruptions to manufacturing operations | |

# The Invinsense Solution

To address these challenges, the company implemented a suite of Invinsense solutions, enhancing their cybersecurity posture and ensuring compliance across all operations.

### Invinsense XDR: Comprehensive Threat Detection Across Manufacturing Systems

Invinsense XDR provided centralized monitoring and analytics across the company's IT and OT environments.

#### Key Results:

- 72% faster detection of anomalous activities
- Immediate identification of unauthorized access attempts
- Enhanced visibility into security events across critical workflows
- Reduction in false positives, improving incident response efficiency

### Invinsense OXDR + CTEM: Proactive Exposure Management

The integration of OXDR and Continuous Threat Exposure Management (CTEM) enabled the provider to proactively identify and remediate vulnerabilities.

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| Scoping | • Identified over 10,000 assets, including control systems, databases, and user interfaces |
| Discovery | • Detected 350+ exposed endpoints and misconfigurations |
| Prioritization | • Assessed risks based on potential impact on payment operations and data security |
| Validation | • Simulated attacks to test the effectiveness of existing security controls |
| Mobilization | • Coordinated cross-functional teams to remediate 90% of identified exposures within 25 days |

### Key Result

- 72% faster detection of anomalous activities across payment systems
- 5.2x improvement in vulnerability remediation timelines
- 96% alignment with ISO 27001 and SOC 2 compliance requirements
- 6.8x increase in early threat identification through deception technology

### Executive Insight

"Implementing Invinsense solutions has significantly strengthened our cybersecurity infrastructure, ensuring the safety of our manufacturing operations and compliance with international standards."

— Chief Information Security Officer, Leading Chemical Manufacturing Company

#### CTEM Outcome:

- 5.8x improvement in vulnerability remediation timelines
- 72% reduction in misconfigurations across digital platforms
- Streamlined vulnerability management processes

### Invinsense XDR+: Advanced Threat Detection

Invinsense XDR+ deployed deception technologies to detect and respond to sophisticated threats.

#### Outcomes:

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| 6.7x increase in early-stage threat identification | Identification of insider threats and unauthorized data access attempts | Deployment of decoy systems to lure and analyze malicious activities | Enhanced threat intelligence, informing proactive security measures |

**Invinsense GSOS: Ensuring Regulatory Compliance**

With stringent regulatory requirements, GSOS facilitated continuous compliance monitoring and reporting.

### Compliance Outcomes:

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| Achieved 95% alignment with ISO 27001 and SOC 2 standards | Automated compliance reporting, reducing manual efforts by 70% | Maintained audit readiness across all digital operations |

## Quantifiable Impact

| Category | Improvement |
|---|---|
| Detection of Anomalous Activities | ↑ 70% faster |
| Vulnerability Remediation Timelines | ↑ 5.8x improvement |
| Regulatory Compliance Alignment | ↑ 95% |
| Early Threat Identification | ↑ 6.7x increase |
| Efficiency in Incident Response | ↑ Enhanced through reduced false positives |

## Conclusion

By leveraging Invinsense's comprehensive cybersecurity solutions, the company has fortified its digital infrastructure, ensuring secure and compliant operations in its mission to deliver high-quality chemical products across various industries.

Infopercept | INVINSENSE

**About Infopercept** - Infopercept is one of the fastest growing comprehensive cybersecurity companies in India, serving global clients. It provides platform led managed security services that covers all areas of cybersecurity, including defensive, offensive, detection and response, and security compliance. Infopercept has its own cybersecurity platform, 'Invinsense,' which integrates tools such as SIEM, SOAR, EDR, deception, offensive security, and compliance tools. Its cybersecurity and MDR services include dedicated teams of experts, ensuring that organizations have 24x7 cybersecurity operations support.

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