

# Network Operations NOC

Continuous network  
monitoring to ensure  
continuity and  
performance.

[abacusgroup.io](https://abacusgroup.io)



## Solution Brief

# Network Operations NOC

**Network Operations NOC** is the **Abacus** service designed to monitor and manage enterprise network infrastructures through a dedicated operational center.

The solution enables organizations to supervise complex and distributed network environments, ensuring continuity, operational stability, and consistent performance.

## The Challenge

Organizations operating distributed network infrastructures must ensure continuous network visibility and rapid response capabilities in the event of anomalies.

## Abacus NOC

The **Abacus Network Operations Center** integrates monitoring tools, network management platforms, and structured operational processes.

## Core Capabilities

- Continuous network monitoring
- Proactive incident detection
- Performance analysis
- Operational infrastructure management
- Monitoring and incident response
- Business continuity and disaster recovery

## Business Impact

- IT architecture and infrastructure governance
- Compliance support (NIS2, DORA, ISO 27001)
- Vulnerability and patch management
- Supply chain security





## Case Study

# Customer Context

A multi-site organization with a distributed network infrastructure required centralized monitoring and operational supervision.

## The Operational Challenge

The corporate network lacked centralized tools for monitoring and performance management.

## The Solution

Activation of **Abacus Network** Operations services with continuous monitoring of network infrastructures.

## Implementation

Deployment of monitoring systems, integration with the network infrastructure, and configuration of **NOC** operational processes.



## Results

- Greater visibility across infrastructures
- Reduced incident resolution times
- Improved network stability

## Industry

Enterprise



## Architecture

# Architecture Overview

The **Network Operations service** is based on an integrated monitoring and operational management platform.

### Core Layers

#### Monitoring Systems

Collection and analysis of network data.

#### Network Management Platforms

Management and configuration tools.

#### Operations Layer

Operational supervision of infrastructures.

### Integration

The **NOC** can supervise multi-site network infrastructures, cloud environments, and infrastructures integrated with data centers.

### Deployment Model

- Centralized monitoring
- Supervision of distributed infrastructures
- Integration with complex digital environments
- Risk Prioritization



# One Abacus. Many Minds. One Vision.

Contact **Abacus** to evaluate  
the network operations  
management model best suited  
to your organization.



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