

Data Center & Cloud Infrastructure

abacusgroup.io

Scalable
infrastructures for
managing applications,
data, and critical
workloads.

CORE & PLATFORM



Solution Brief

Data Center & Cloud Infrastructure

Data Center & Cloud Infrastructure is the **Abacus platform** designed to host and manage application workloads and enterprise data.

The solution combines data center infrastructures, cloud environments, and operational services to support modern IT environments.

Infrastructure Challenge

Organizations must manage applications and data across distributed and dynamic environments.

Key challenges include:

- Growth of workloads
- Management of hybrid cloud environments
- Resource scalability
- Operational infrastructure management

Traditional infrastructures are often not designed to support these scenarios.

The Abacus Platform

The Abacus platform integrates data center and cloud infrastructures.

Core Components:

- Data center
- Hosting
- Cloud environments
- Virtualization infrastructures

The platform supports enterprise applications, digital platforms, and information systems.

Core Capabilities

- Application hosting
- Cloud infrastructures
- Workload management
- Integration with existing IT environments
- Resource monitoring

Service Model

Abacus manages the infrastructure through dedicated operational services.

Key activities include:

- Infrastructure management
- Continuous monitoring
- Resource provisioning
- Technical support

Business Impact

- Scalable infrastructures
- Greater operational efficiency
- Reduced IT complexity
- Environments ready for digital transformation



Case Study

Customer Context

An organization operating critical applications required a scalable infrastructure to manage digital workloads.

The Challenge

The existing IT infrastructure was not designed to support the growth of digital applications and enterprise data.

The Solution

Migration of enterprise workloads to the **Abacus Data Center & Cloud Infrastructure platform**.

The solution included:

- Application hosting
- Cloud environments
- Operational infrastructure management

Implementation

Deployment of virtualized environments within **Abacus data centers** and integration with existing IT systems.



Results

- Greater infrastructure scalability
- Improved workload management
- Simplified IT operations

Industry

Enterprise – Digital Services



Architecture

Architecture Overview

The **Data Center & Cloud Infrastructure platform** is designed to support enterprise applications and digital platforms.

Core Layers

Compute Layer

Compute resources for applications and workloads.

Storage Layer

Storage systems for enterprise data.

Virtualisation Layer

Virtualized infrastructure and cloud environments.

Cloud Orchestration Layer

Resource management and provisioning.

Operations Layer

Infrastructure monitoring and operational management.

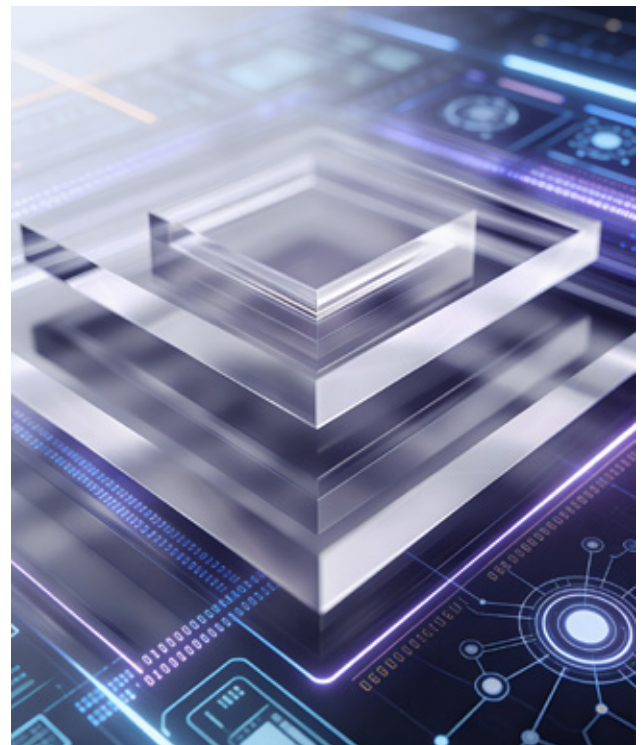
Integration

The platform can integrate with:

- Vulnerability scanning systems
- Policy review frameworks
- Compliance mapping tools
- Risk prioritization systems

Key Components

- Data centers
- Cloud platforms
- Storage infrastructures
- Monitoring systems



Security & Resilience

The platform is designed to ensure operational security and infrastructure stability.

Deployment Model

- Hybrid cloud environments
- Infrastructure hosting
- Integration with existing systems

One Abacus. Many Minds. One Vision.

Contact Abacus to evaluate
the evolution of your IT
infrastructure.



Abacus Group Srl
Centro Direzionale Milanofiori
Strada 1 Palazzo F1
20057 Assago (MI)

HEAD OFFICE CONTACTS
info@abacusgroup.io
T. +39 02 80 89 74 86

abacusgroup.io

© 2026 ABACUS GROUP AND/OR ITS AFFILIATES. ALL RIGHTS RESERVED.