

NETAXISGLOBAL

Network Engineering Built for Scale.

Professional network engineering, ISP infrastructure, telecom core, enterprise networking, monitoring and platform deployment.

HEADQUARTERS

Lahore, Punjab, Pakistan

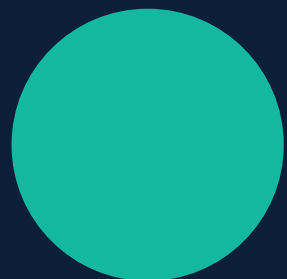
MARKET

Pakistan & International

CONTACT

03307999468

COMPANY PROFILE | 2026



Engineering the network behind the service.

NetAxisGlobal is a Lahore-based network engineering company serving organizations across Pakistan and international markets. We focus on the infrastructure that keeps digital services connected: Internet routing, service-provider cores, subscriber networks, access infrastructure, monitoring, security and operational platforms.

Our work is grounded in practical engineering. We assess the existing environment, define a target architecture, implement changes carefully, validate production behavior and provide operational documentation. The goal is not simply to configure equipment. It is to create a network that can be operated, monitored, secured and scaled.

WHAT WE SOLVE	WHAT WE DELIVER	WHERE WE OPERATE
Routing complexity, capacity growth, subscriber operations, service availability, monitoring gaps and infrastructure migrations.	Architecture, implementation, migration, integration, optimization, monitoring and technical documentation.	ISP, telecom, enterprise, data-center and network-operations environments.

Core positioning

- ISP & service-provider engineering: BGP, OSPF, MPLS, QoS, BNG, PPPoE/IPoE, AAA and traffic engineering.
- Telecom & access: OLT environments, transport, management systems and operational visibility.
- Enterprise: secure LAN/WAN, SD-WAN, segmentation, cloud connectivity and branch networking.
- Platforms & NMS: ZALPRO, ZALULTRA, Huawei U2000, PRTG, LibreNMS, Cacti, IPTV and related server infrastructure.

A technical partner for production networks.

NetAxisGlobal works with teams that need reliable network infrastructure and clear operational control. Our service model covers the full engineering cycle, from assessment and architecture through implementation, validation and handover.

Mission

Help organizations build networks that are resilient, observable, secure and practical to operate.

Vision

Become a trusted engineering partner for modern ISP, telecom and enterprise infrastructure.

What differentiates the engagement

- Operational thinking: designs account for monitoring, failure handling, maintenance and troubleshooting.
- Vendor-aware engineering: solutions can span MikroTik, Cisco, Juniper, Huawei, ZTE and Linux-based infrastructure.
- Integration-first approach: routing, AAA, NMS, databases, access networks and applications are treated as connected systems.
- Documentation: implementation notes and operational guidance are part of a professional handover.

Service footprint

Head Office
Lahore, Punjab, Pakistan

Coverage
Projects across Pakistan and international markets

Contact
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End-to-end network engineering services.

Our portfolio is organized around the technical layers that matter in production: Internet edge, service-provider core, subscriber access, enterprise connectivity, observability and supporting platforms.

ISP Solutions

BGP, OSPF, MPLS, BNG, PPPoE/IPoE, RADIUS/AAA, CGNAT, QoS, traffic engineering and subscriber operations.

Telecom Core

Carrier-grade routing, MPLS/VPN, redundancy, high availability, transport integration and performance engineering.

Enterprise Networking

LAN/WAN, SD-WAN, segmentation, routing, secure branch connectivity, cloud connectivity and Wi-Fi architecture.

Platforms & Installations

ZALPRO, ZALULTRA, Huawei U2000, OLT management, PRTG, LibreNMS, Cacti, IPTV and server infrastructure.

Monitoring & NOC

SNMP, Syslog, alerting, dashboards, capacity trends, service monitoring and operational visibility.

Security & Hardening

ACLs, segmentation, control-plane protection, secure management access and infrastructure hardening.

Typical engagement types

New deployments • Network redesign • Migration • Performance optimization • Monitoring rollout • Platform installation • Troubleshooting • Capacity planning • Technical documentation

Engineering for subscriber scale and Internet performance.

Service-provider networks require disciplined routing policy, predictable subscriber management, controlled bandwidth, observability and resilient failure handling. NetAxisGlobal supports the engineering layers between upstream connectivity and the subscriber edge.

DOMAIN	ENGINEERING SCOPE
Internet Edge	BGP sessions, route filtering, policy control, public IP announcements, upstream connectivity and redundancy.
Core Routing	OSPF, BGP-based designs, route redistribution, VRF, MPLS and failure-domain planning.
Subscriber Access	PPPoE/IPoE, BNG architecture, VLAN design, IP pools, RADIUS/AAA and subscriber policy.
QoS & Capacity	Shaping, prioritization, traffic classification, capacity analysis and service-level engineering.
CGNAT & Services	Address translation, service exposure, logging considerations and traffic-flow design.
Operations	NMS, SNMP, Syslog, alerts, dashboards, documentation and incident-oriented troubleshooting.

Outcome focus

- More predictable routing behavior and failure handling.
- Better visibility into utilization, subscriber traffic and service health.
- Cleaner separation between access, aggregation, core and Internet-edge functions.
- A documented operating model that NOC teams can troubleshoot and maintain.

Connect the access layer to an operationally visible core.

We support telecom and access environments where transport, OLTs, management systems and service-provider routing must work together. The engineering scope can include architecture, configuration, integration and operational troubleshooting.

Huawei & ZTE OLT

OLT deployment and configuration support, VLANs, service profiles, ONT/ONU provisioning, management access and uplink integration.

Huawei U2000 / EMS

Supported U2000/EMS deployment and management integration for applicable transport and access environments.

MPLS / VPN

L2VPN/L3VPN, VRF, traffic engineering and service-provider transport architecture.

Redundancy

Link and device redundancy, failure-domain analysis, route convergence and maintenance planning.

Access-to-core perspective

A healthy telecom environment is not just an OLT configuration. It requires coherent VLANs, addressing, routing, management access, monitoring, authentication and documented operational procedures across the network stack.

Authorized equipment only: access, recovery or configuration assistance is provided only for equipment the customer owns or is authorized to administer.

Secure connectivity for branches, campuses and cloud.

Enterprise environments need predictable connectivity, controlled access and visibility across locations. NetAxisGlobal can design or improve LAN/WAN environments with a focus on segmentation, routing, resilience and operational simplicity.

- LAN & campus: VLAN architecture, inter-VLAN routing, STP, link aggregation and switch configuration.
- WAN: routed WAN, redundant links, SD-WAN concepts, policy-based routing and failover design.
- Security: management-plane protection, ACLs, segmentation and secure remote administration.
- Cloud connectivity: routing and network integration for cloud-connected applications and services.
- Performance: QoS, traffic analysis, utilization monitoring and capacity planning.

Reference architecture

CAMPUS / BRANCH	WAN / EDGE	CORE / CLOUD
Users • Wi-Fi • Access Switches VLANs • PoE • Security	Routers • SD-WAN • Firewalls Redundancy • QoS • Internet	Core Routing • VRF • MPLS/VPN Data Center • Cloud • Services

Design principle

Keep the architecture understandable. Clear segmentation, consistent addressing, explicit routing policy and useful monitoring reduce operational risk as the environment grows.

Install the platforms that keep the network operational.

NetAxisGlobal provides installation, configuration, integration, migration and troubleshooting support for common ISP, telecom and NOC platforms.

ZALPRO

ISP billing/subscriber platform installation, database connectivity, RADIUS integration, package profiles and operational troubleshooting.

ZALULTRA

Deployment and integration for subscriber services, authentication, bandwidth profiles and ISP workflows.

Huawei U2000

Supported EMS/NMS deployment, management integration and operational visibility.

Huawei OLT

OLT configuration support, VLANs, service profiles, ONT/ONU provisioning, uplinks and management.

ZTE OLT

OLT configuration support, service provisioning, VLANs, uplinks and management workflows.

PRTG

SNMP monitoring, sensors, thresholds, notifications, bandwidth monitoring and NOC dashboards.

LibreNMS

Device onboarding, SNMP discovery, alerting, performance graphs and service monitoring.

Cacti

SNMP graphing, capacity trends, templates and long-term utilization reporting.

IPTV Server

IPTV service infrastructure planning, stream delivery, network integration and monitoring.

FreeRADIUS / AAA

Authentication, accounting, IP pools, service profiles and subscriber policy integration.

Linux / Web / DB

Server preparation, PHP/MySQL services, permissions, backups, logging and application deployment.

NOC Stack

SNMP, Syslog, dashboards, alerts and operational workflows across critical infrastructure.

Visibility turns network data into operational control.

Monitoring is most useful when it helps the NOC answer three questions quickly: what is down, what is degrading, and what changed. We build monitoring around actionable signals rather than dashboards that simply collect data.

LAYER	EXAMPLES	OPERATIONAL VALUE
Infrastructure	Routers, switches, OLTs, servers, interfaces, power and resources.	Availability and hardware health.
Performance	Bandwidth, latency, errors, packet loss, CPU, memory and utilization.	Capacity and degradation detection.
Services	DNS, RADIUS, web services, databases, IPTV and critical applications.	Service-level visibility.
Events	SNMP traps, Syslog, thresholds, alerts and incident indicators.	Faster fault isolation.

Monitoring platforms

PRTG • LibreNMS • Cacti • SNMP • Syslog • Linux service monitoring • NOC dashboards

A practical NOC deployment includes device onboarding, naming conventions, thresholds, alert routing, escalation logic, retention requirements and documented response procedures.

A controlled path from problem to production.

Every engagement should leave the network more understandable and more maintainable than it was before. Our delivery process is structured to reduce avoidable implementation risk.

- 01** Discover
Collect topology, addressing, hardware/software versions, traffic requirements, dependencies and current symptoms.
- 02** Design
Define target architecture, routing policy, VLANs, redundancy, monitoring and implementation boundaries.
- 03** Plan
Prepare change steps, backups, rollback procedures, maintenance windows and validation criteria.
- 04** Implement
Apply configuration or deploy the required platform with controlled changes and clear checkpoints.
- 05** Validate
Test reachability, routing, authentication, service delivery, monitoring and failure behavior where applicable.
- 06** Handover
Provide configuration notes, operational guidance, known limitations and recommended next actions.

Built around real network operating environments.

NetAxisGlobal services can be structured for different operating models, from a growing ISP to a multi-site enterprise or a telecom/access deployment.

Growing ISP

Core routing, BGP, subscriber authentication, QoS, monitoring, capacity planning and platform integration.

Established ISP

Optimization, redundancy, NOC visibility, route policy, migration, performance engineering and troubleshooting.

Telecom / Access

OLT deployment, management integration, VLAN/service provisioning, transport and monitoring.

Enterprise

LAN/WAN redesign, segmentation, SD-WAN, redundancy, cloud connectivity and operational monitoring.

NOC / Operations Team

Monitoring rollout, dashboards, alerting, documentation, troubleshooting workflows and escalation visibility.

Infrastructure Project

Architecture review, implementation planning, migration, validation and technical handover.

Engagement model

Projects can be delivered as a focused consultation, implementation project, migration, troubleshooting assignment, infrastructure review or ongoing engineering support, depending on the customer's requirements.

Let’s engineer your next network project.

Whether you are planning a new deployment, expanding an ISP, modernizing a telecom core, improving monitoring or troubleshooting a production environment, NetAxisGlobal can help define the technical scope.

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Start with the technical brief

- Current topology or a simple network diagram.
- Device/vendor and software versions.
- Current capacity, subscriber count or site count where relevant.
- The issue, target architecture or desired outcome.
- Preferred implementation window and operational constraints.

03307999468
Call or WhatsApp NetAxisGlobal for a consultation.

This company profile describes NetAxisGlobal’s service capabilities. Specific implementations, products, licensing, third-party dependencies and project scope are subject to technical assessment, customer authorization and mutually agreed requirements.