



P R O J E C T P R O F I L E

Projects

Artistic Unit 7 - Enterprise Network Infrastructure

Gilgit Safe City Project

GHQ Terminal Equipment Installation

Punjab Rangers Wagah Border IT Infrastructure

PIFTAC Nationwide Firewall Infrastructure

Artistic Tower Sharah-e-Faisal

Artistic Garments Unit Korangi

Venture Dive (New Office)

Va8tive Digital - Arif Habib Project

Peshawar Corp Commander House



ARTISTIC FABRIC MILLS



IT TRACKS

Project

Artistic Unit 7 Enterprise Network Infrastructure

Client: ***Artistic Fabric Mills***

Year: **2025**

Status: ***Implementation in process***

Project Scale: ***800 Nodes Enterprise Network***

Warranty: ***25 Years Performance Warranty***

Artistic Unit 7

Enterprise Network Infrastructure

The Challenge

Artistic Unit 7 required a massive-scale, future-proof network infrastructure to support 800+ nodes across their campus. The project demanded carrier-grade reliability, high-speed connectivity, and comprehensive security while ensuring long-term performance guarantees and scalability for future expansion.

Our Comprehensive Solution

Security Infrastructure

- *Fortinet Firewall – Enterprise-grade security appliance*
- *Forti Access Points – Secure, high-performance wireless coverage*
- *Dahua CCTV System – 200 cameras for comprehensive surveillance*

Network Core & Distribution

- *Nexus SFP Port Switch – Core switching with high-density fiber capabilities*
- *Cisco 3750X 10G – Distribution and access layer switching*
- *96 Core Fiber Ring – Redundant fiber backbone*
- *10G Fiber Uplinks – High-speed interconnects*

Unified Communications

- *Grandstream IP Telephony – Enterprise voice solutions*

Passive Infrastructure

- *Corning End-to-End Solution – Complete structured cabling system*
- *25-Year Performance Warranty – Industry-leading warranty coverage*

Artistic Unit 7

Enterprise Network Infrastructure

Technical Specifications

Network Architecture

- *Scale: 800 network nodes*
- *Topology: Fiber ring architecture for redundancy*
- *Core Switch: Nexus SFP port switch*
- *Distribution: Cisco 3750X with 10G capabilities*
- *Wireless: Forti Access Points integrated with security ecosystem*

Security & Surveillance

- *Firewall: Fortinet enterprise security*
- *CCTV: 200 Dahua cameras*
- *Network Security: Integrated Fortinet ecosystem*

Physical Infrastructure

- *Cabling Solution: Corning end-to-end*
- *Fiber Backbone: 96 core fiber ring*
- *Uplink Speed: 10G fiber optic*
- *Warranty: 25-year performance guarantee*

Key Achievements & Impact

- *Carrier-Grade Reliability with 96-core fiber ring topology*
- *Future-Proof Infrastructure with 25-year performance warranty*
- *Enterprise Security through integrated Fortinet ecosystem*
- *Massive Scalability supporting 800+ nodes*
- *High-Speed Backbone with 10G fiber uplinks*
- *Comprehensive Surveillance with 200-camera CCTV system*

Artistic Unit 7

Enterprise Network Infrastructure

Project Significance

This enterprise-scale deployment represents our capability to deliver carrier-grade infrastructure with unprecedented 25-year performance guarantees. The Artistic Unit 7 project showcases our expertise in converged campus solutions, integrating security, networking, and surveillance into a single, cohesive ecosystem.

Why This Project Demonstrates Excellence:

1. *Massive Scale - 800 nodes enterprise deployment*
2. *Carrier-Grade Infrastructure - 96-core fiber ring topology*
3. *Long-Term Investment Protection - 25-year performance warranty*
4. *Integrated Security - Fortinet ecosystem with CCTV surveillance*
5. *Future-Proof Design - 10G capable with high-density fiber*
6. *Enterprise-Grade Components - Cisco Nexus, Fortinet, Corning*

Next Step:

- *Next Steps: This project is currently in implementation phase with scheduled completion in Q4 2025. Regular progress updates and performance validation are ongoing.*