



EXECUTIVE LEADERSHIP

SHABBIR AHMED

Chief Executive Officer (CEO) — Skytech.pk

“At Skytech.pk, our absolute commitment is delivering robust, fail-safe infrastructure across energy, security, and telecommunications for enterprise and governmental clients across Pakistan. From enterprise solar microgrids to nation-scale railway CCTV networks, we deliver engineering with precision, compliance, and guaranteed lifecycle support.”

Direct Contact: 0300-4422827 / 0300-8422145 | Location: Lahore, Punjab, Pakistan

CORE ENGINEERING & TECHNOLOGY CAPABILITIES

1. SOLAR ENERGY & SMART STORAGE • On-Grid, Hybrid & Off-Grid Solar Power Systems • Solis Tier-1 Inverters & Pylontech Smart Lithium Storage • High-yield Bi-facial / Mono PERC Solar Panels • Certified AC/DC Circuit Protection & Surge Arrestors	2. AI CCTV & SURVEILLANCE SYSTEMS • Dahua & Hikvision AI IP Surveillance Ecosystems • Real-Time Person/Vehicle Tracking & Perimeter Security • High-Traffic Public Hub Security (Railway Stations) • Mobile Live Viewing & High-Capacity Cloud/NVR Storage
3. TELEPHONE EXCHANGE & PABX / IP-PBX • Panasonic, Grandstream & Yeastar IP-PBX Solutions • Multi-Branch SIP Trunking, IVR & Auto-Attendant Setup • Structured Voice MDF/IDF Cabling & Extension Mapping • High-Fidelity Call Recording & Enterprise Telephony	4. IPTV & STRUCTURED NETWORKING • Commercial & Hospitality Centralized IPTV Headends • HD/4K IP Encoders, Set-Top Box & Digital Signage • Cat6/Fiber Optic LAN Infrastructure & Server Racks • Enterprise Routing, Switching, VLANs & Wireless Mesh

Key Parameter	Skytech.pk Specification Standard
Hardware Authenticity	100% Genuine Tier-1 Brands (Dahua, Solis, Pylontech, Panasonic)
Workmanship & Wiring	Concealed, label-coded conduit wiring conforming to industrial standards
Service & SLA Response	24/7 technical helpline, scheduled preventative maintenance & rapid on-site dispatch
Project Footprint	All Pakistan Service (Lahore, Bahawalpur, Khanewal, Gujranwala, Sialkot, etc.)

1. SOLAR ENERGY & SMART ENERGY STORAGE SYSTEMS

Skytech.pk delivers end-to-end solar engineering covering custom system sizing, civil base installation, Tier-1 solar photovoltaic panels, hybrid smart inverters, and lithium battery storage backups designed for residential, commercial, and industrial loads.



Figure 1: High-Yield Rooftop Solar Array Installation



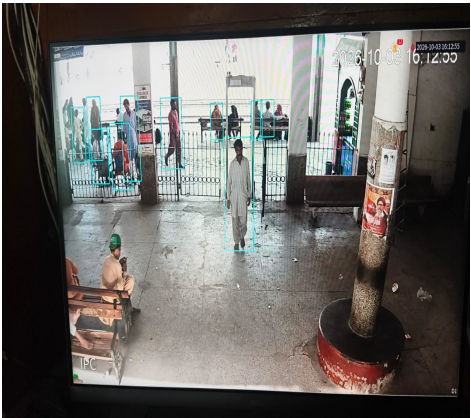
Figure 2: Heavy-Duty Elevated Civil Foundation Mounting



Solis Hybrid Smart Inverter



Pylontech Smart Lithium Unit



Protected Breaker Distribution DB

System Component	Skytech.pk Deployment Specifications	Warranty & Support
Solar Inverters	Solis Hybrid / On-Grid pure sine wave, dual MPPT tracker, Wi-Fi smart app monitoring	5 Years Standard Warranty
Lithium Battery Bank	Pylontech LiFePO4 smart rack modules with intelligent BMS, 95% DoD, 6000+ cycles	5-10 Years Manufacturer Warranty
Mounting & Civil	Hot-dip galvanized heavy L-channel mounting structures, concrete pads, wind-rated	Lifetime Structural Integrity
Distribution & Safety	CHNT/Schneider AC/DC breakers, SPD surge protection, dual earthing & heat aerosol fire safety	Full Safety Compliance

2. AI-ENABLED CCTV SURVEILLANCE & ANALYTICS

Skytech.pk specializes in government-grade high-throughput video surveillance networks. Utilizing cutting-edge Dahua and Hikvision IP security cameras with deep-learning AI, our systems detect, categorize, and track humans and vehicles in ultra-high resolution across busy infrastructure hubs.

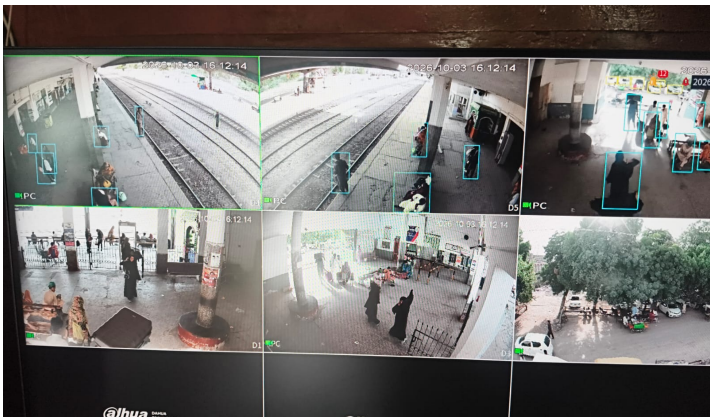


Figure 1: Dahua Multi-Channel Master Video Wall (Live)



Figure 2: AI Multi-Sector Detection & Perimeter Monitoring



Figure 3: Platform Crowding & Real-Time Person Detection

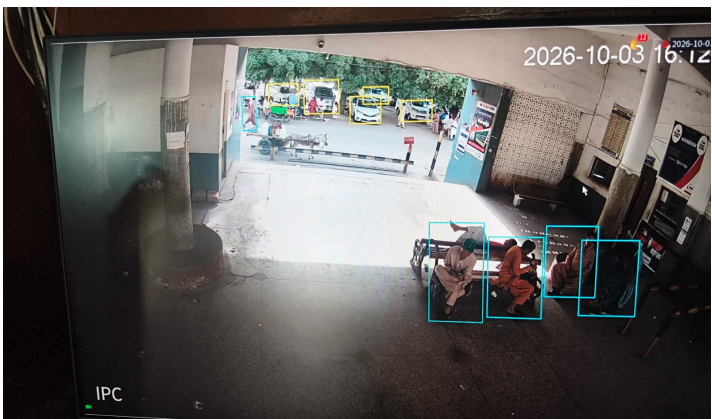


Figure 4: Railway Entrance Vehicle & Pedestrian Analytics

Feature / Module	Skytech.pk Implementation	Operational Advantage
AI Target Classification	Deep-learning filtering for humans and vehicles, eliminating false motion triggers	Instant Accurate Alerts
Ultra Low-Light & Starlight	True WDR, Smart IR night illumination up to 80m, crisp color imaging in low light	24/7 Identification
NVR & Storage Architecture	RAID-backed enterprise NVRs, H.265+ smart compression, high-retention HDDs	60+ Days Forensic Archive
Remote Control Room	Smart PSS / DSS client software, central CMS, and secure remote mobile monitoring	Anywhere Command Access

3. TELEPHONE EXCHANGE (PBX/IP-PBX) & IPTV SERVICES

Skytech.pk delivers enterprise communication solutions that bridge classic reliability with modern IP technology. We integrate commercial telecommunication systems with scalable hospitality IPTV distribution networks across Pakistan.

TELEPHONE EXCHANGE (PABX / IP-PBX)	HOSPITALITY & COMMERCIAL IPTV
• Hybrid & Pure IP-PBX: Deployment of Panasonic KX-TES824, Grandstream UCM series, and Yeastar IP-PBX platforms. • SIP Trunking & Multi-Branch: Interconnect branch offices with zero call tariffs via secure VPN SIP trunks. • Interactive Voice Response (IVR): Custom multi-level automated voice attendants and department call queues. • MDF/IDF Infrastructure: Krone tag block structuring, cat6 voice patching, line surge suppression, and extension recording.	• Centralized IPTV Headend: High-capacity IP encoders convert satellite, cable, and media streams into multicast IP. • Hospitality TV Systems: Customized welcome screens, PMS integration, pay-per-view, and multi-language live channels. • Digital Signage over IP: Centralized advertising and schedule broadcast to hotel lobbies, public halls, and terminals. • Set-Top Box Deployment: Android and Linux-based 4K decoding units with unified remote management.

4. STRUCTURED DATA NETWORKING & OPTICAL FIBER

Every surveillance camera, IP phone, IPTV receiver, and smart solar inverter depends on an uncompromised networking backbone. Skytech.pk engineers provide full-stack passive and active networking deployments.

Network Layer	Deployment Standard & Hardware	Performance Metric
Structured Cabling	Schneider / 3M / CommScope Cat6/Cat6A UTP/STP pure copper, cable tray & trunking	Gigabit Certified Fluke Tested
Optical Fiber Backbone	Single-mode 6/12/24 core armored fiber optic cable, fusion splicing, ODF termination	10 Gbps Long-Range Transit
Managed Switching	Cisco / Ruijie / TP-Link Enterprise Layer-2/Layer-3 PoE+ switches with isolated VLANs	High PoE Budget & 99.9% Uptime
Wireless Infrastructure	Ubiquiti UniFi / Reyee Wi-Fi 6 cloud-managed access points with seamless roaming	High Density Seamless Wi-Fi

5. NATIONWIDE DEPLOYMENTS & FIELD ENGINEERING PORTFOLIO

Skytech.pk maintains a proven track record delivering mission-critical security and energy projects across public rail infrastructure and commercial institutions across Pakistan.

SKY TECH SOLAR & CCTV SERVICE PROVIDER
Your Safety Our Priority

پاکستان کے اہم ریلوے اسٹیشنز پر
جدید سی سی ٹی وی سکیورٹی سسٹم
اب ہر لمحہ محفوظ

ناروال اسٹیشن NAROWAL STATION
گوجرانوالہ اسٹیشن GUJRANWALA STATION
وزیر آباد اسٹیشن WAZIRABAD STATION
سیالکوٹ اسٹیشن SIALKOT STATION

تمام پاکستان میں ہماری سروسز

سیالکوٹ (Sialkot)
وزیر آباد (Wazirabad)
گوجرانوالہ (Gujranwala)
ناروال (Narowal)

24/7 Monitoring
High Quality Cameras
Remote Access
Safe & Secure Environment

CCTV Installation / تنصیب
Solar Solutions / سولر سسٹم
Network Setup / نیٹ ورک سیٹ اپ
Maintenance & Support / دیکھ بھال اور سپورٹ

ALL PAKISTAN SERVICE
پورے پاکستان میں سروس

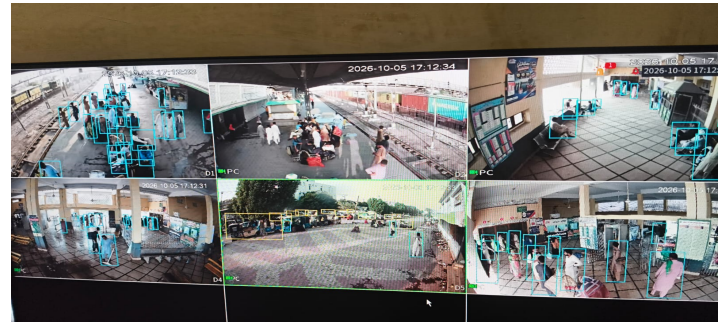
Contact Us
0300-4422827

Your Security Our Commitment

CCTV Installation | Solar Solutions | Network Setup | Maintenance & Support



Bahawalpur Railway Station — Surveillance Deployment



Khanewal Junction — Field Engineering Team

Major Project Location	Project Scope & Delivered Solutions	Status
Narowal Railway Station	Dahua IP CCTV deployment, high-definition platform monitoring, control desk setup	Completed / Active
Gujranwala Railway Station	Perimeter AI security cameras, optical fiber video link, 24/7 central recording	Completed / Active
Wazirabad Railway Station	Smart surveillance integration, night-vision Starlight cameras, remote viewing	Completed / Active
Sialkot Railway Station	Public hall crowd monitoring, entrance vehicle tracking, uninterrupted power backup	Completed / Active
Bahawalpur & Khanewal Junction	Multi-camera AI detection, track crossing alerts, high-capacity enterprise NVR rack	Completed / Active
Commercial & Residential Lahore	Hybrid solar microgrids, Pylontech lithium storage, corporate PABX & IPTV headends	Active Operations

LET'S SECURE & POWER YOUR NEXT PROJECT WITH SKYTECH.PK

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