Automate. Connect. Secure.

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Business Automation & Systems Engineering

Streamline operations for global enterprises. Integrate telephone, security, and internet systems effectively. Drive efficiency, security, and connectivity for modern businesses.

Business Types We Work With

Banks, Hospitals, Hotels, Farms

We provide tailored security and communication solutions for the unique needs of banking institutions, healthcare facilities, hospitality businesses, and agricultural sites.

Mining Companies

Offering specialized security and communication solutions for mining operations to enhance safety and operational efficiency in challenging environments.

Universities, Colleges, Schools, Academies

Supporting educational institutions with reliable systems to ensure seamless communication and security across campuses and facilities.

Logistics Companies

Delivering innovative communication and security systems to support the complex needs of logistics and transportation businesses.

Business Automations & Systems Engineering: Real-World Impact

1 **Downtime Reduction**

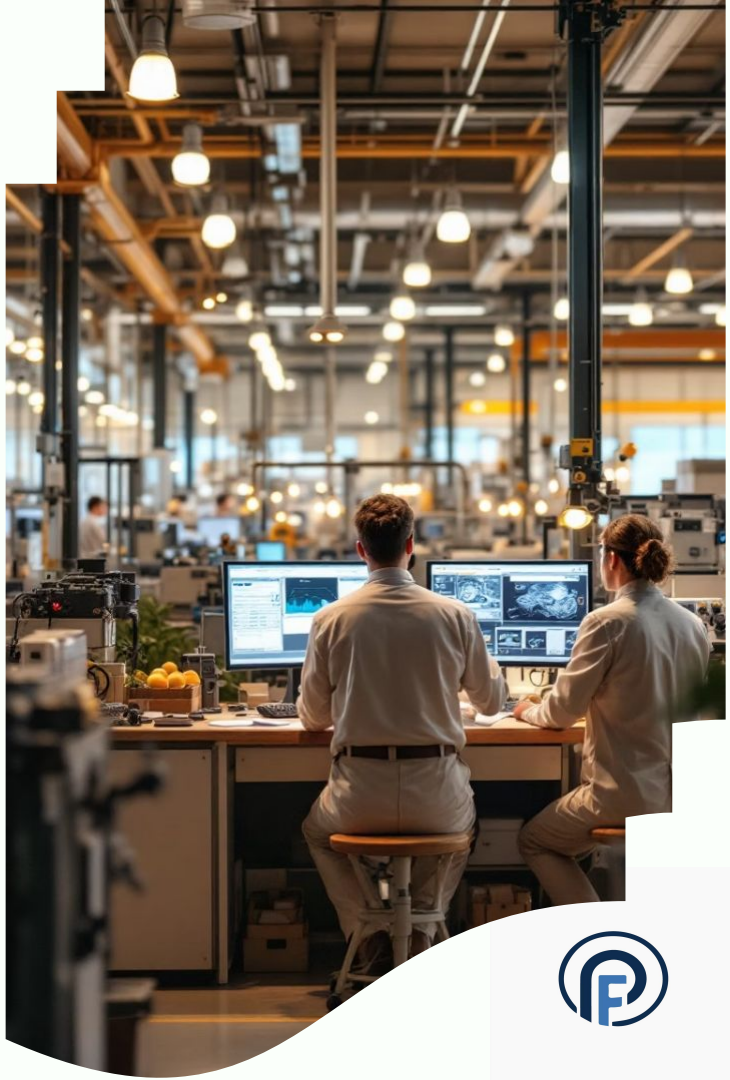
Predictive maintenance cut downtime by 25%.

2 **Strong aROI**

Average 150% return within 18 months of automation.

3 **Custom Solutions**

Tailored automations and ERP integrations fit unique needs.



Business Automations & Systems Engineering: Efficiency Unleashed

Task Automation

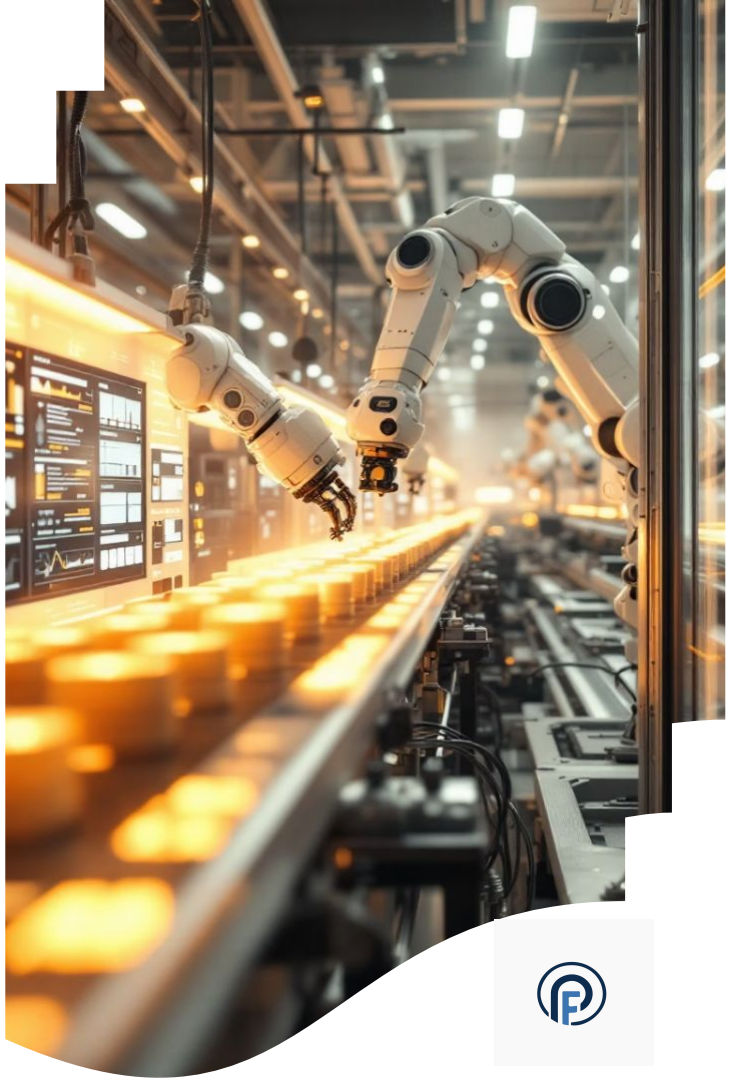
Reduce manual labor by up to 60% through smart automation.

Systems Integration

Improve data flow and decisions by 40% with seamless connectivity.

Systems Engineering

Design and implement complex systems for end-to-end efficiency.



ICT Solutions

Business

Emergency Services: Real-Time Route Optimization

Live Route Optimization

AI dispatch reduces ambulance response times by up to 25%.

Real-Time Tracking

Continuous vehicle monitoring ensures rapid, safe deployment.

Incident Communication

Geofencing and reporting tools support dynamic dispatch decisions.

Fuel & Fluid Monitoring Systems

Self-Service Fuel Management (Odobot)

RFID validation, automated logs, FMS integration

Prevents fuel theft and improves efficiency

Fluid Monitoring System

Real-time sensor alerts, predictive maintenance

Avoid breakdowns, ensure compliance

Oil & Gas Distributors: Safety & Compliance

Fuel Level Monitoring

Real-time data prevents theft and shortages.

Fleet Compliance

Electronic logging meets regulatory standards efficiently.

Route Safety

Monitoring reduces risks in hazardous material transport.

Fleet Management System (FMS)

Key Features

- GPS tracking & geofencing
- Fuel consumption monitoring
- Driver behavior tracking
- Maintenance alerts

Benefits

- 15–25% fuel savings
- Reduced downtime
- Improved accountability
- Enhanced compliance

Warehouse & Inventory Management System (WIMS)

A designated, organized holding area (physical + digital) where inbound/outbound cargo is temporarily staged for:

- Inspection
- Prioritization
- Scheduled movement into warehouse zones or loading bays

Features

- Barcode scanning
- Stock alerts
- Robotic picking
- AI-driven demand planning
- Cargo Parking

Benefits

- Avoid stockouts
- Fast dispatch
- Multi-site inventory visibility
- Reduces cargo mix-ups or losses
- Prevents warehouse congestion

Transport Management System (TMS)

Features

Load planning, route optimization

Additional Features

Freight tracking, customer notifications

Benefits

Cost and time savings, improved customer service

Cold Chain Logistics: Maintaining Perishable Integrity

Visibility & Monitoring

Real-time tracking of temperature, humidity, and location is vital.

Minimizing Losses

41% of product spoilage results from temperature excursions.

Automated Scheduling

Optimized routes preserve shelf life and ensure timely delivery.

E-Commerce Businesses: Integration Imperatives

Inventory & Warehouse Integration

Seamless connection between inventory management and warehousing ensures stock accuracy.

- Real-time order updates
- Reduced handling errors

Last-Mile Delivery

Fast, reliable delivery builds trust and fuels repeat customers.

- 94% of shoppers expect tracking
- Optimized routes cut delivery times

Asset Tracking System (ATS)

Features

- RFID tags
- Geo-zones
- Audit trails

Benefits

- Reduce asset loss
- Improve ROI
- Support insurance claims

- Real-time asset tracking interface showing multiple assets in transit
- Displays live location data and asset status
- Enables quick identification and deployment of assets

ANPR and Check-in/Check-out

ANPR System

Automates vehicle entry/exit with number plate recognition and barriers.

Enhances security and gate efficiency.

Self-Service Kiosks

Multilingual kiosks enable contactless driver check-ins.

Reduces admin workload and informs warehouse instantly.

Section 2 “Connect”

Telephone System

Modernizing Communication

IP PBX (Internet Protocol Private Branch Exchange) and **PABX** (Private Automatic Branch Exchange) systems are both types of telephone systems used in businesses to manage incoming and outgoing calls internally.

While PABX operates using traditional analog technology, IP PBX utilizes **internet** protocol for communication. IP PBX systems offer more flexibility and advanced features like **voicemail** to **email**, **video** conferencing, and integration with other business applications, making them increasingly popular in modern workplaces.

Telephone Systems for Local & Global Companies

VoIP Solutions

Seamless, cost-effective communication across locations.

Multi-Branch Integration

Centralized phone system management for all branches.

Advanced Features

Call routing, conferencing, and performance analytics included.

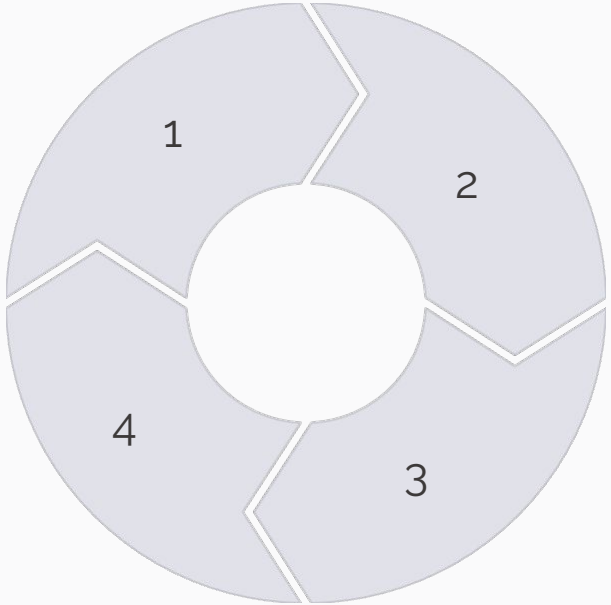
VoIP Communication System for Hotels

Room to Room Calling

Effortless internal guest and staff communication.

PMS Integration

Track guest communications seamlessly within operations.



Automated Wake-Up Calls

Schedule and manage calls efficiently over VoIP.

Cost-Effective International Calls

Reduce expenses on local and global telecom services.

Telephone Systems: Case Studies & Benefits

Guest Satisfaction

Hotel chain boosted ratings by 15% using integrated telephony.

Cost Efficiency

Lower communication expenses with intelligent call management.

Multi-Branch Support

Enhanced customer service via smart call routing.

Global Local Presence

Reduce communication barriers for clients and teams worldwide.

Cost Savings: IP PBX systems often leverage existing internet infrastructure, reducing the need for separate phone lines. This can lead to significant cost savings on long-distance calls and maintenance expenses compared to traditional PABX systems.

Scalability: IP PBX systems are highly scalable, allowing businesses to easily add or remove phone lines as needed without significant hardware upgrades. This scalability makes them suitable for growing businesses or those with fluctuating communication needs.

Advanced Features: IP PBX systems offer a wide range of advanced features such as voicemail to email, auto-attendant, call forwarding, and integration with CRM software. These features enhance productivity, streamline communication, and improve customer service.

Remote Accessibility: With IP PBX systems, employees can access their office phone system from anywhere with an internet connection. This flexibility enables remote work, telecommuting, and ensures seamless communication even when employees are not physically present in the office.

The Exploring IP PBX Advantages

POC Radio Communication

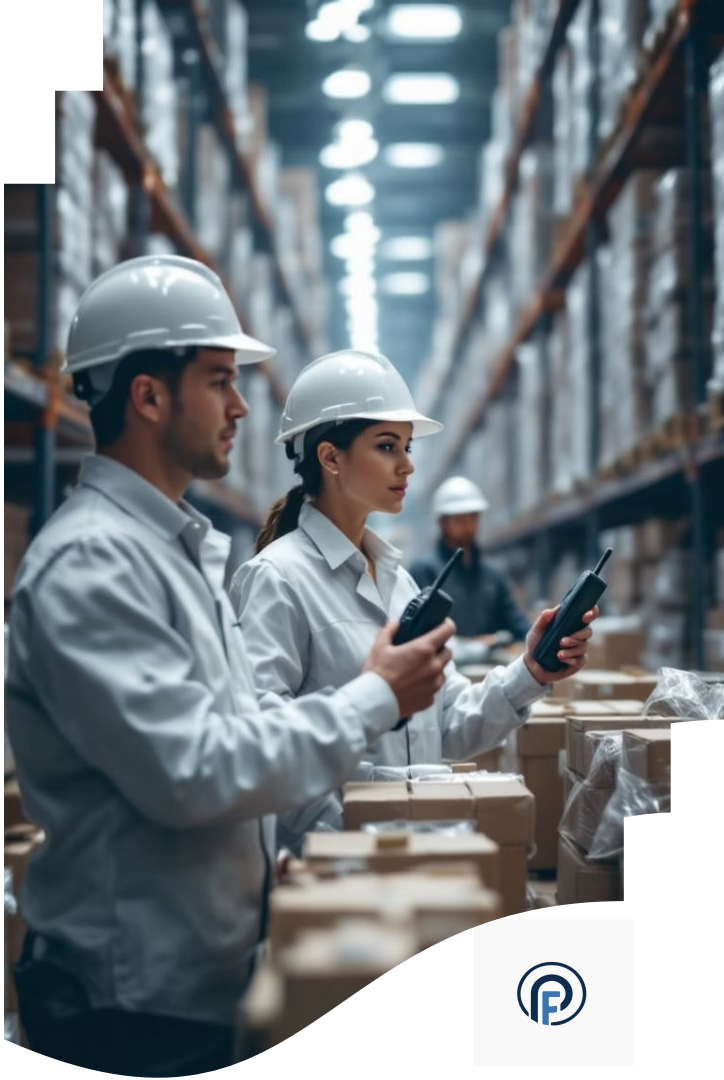
Enables faster decisions and safer logistics operations.

Instant Communication

GPS Tracking

Group Calls

Emergency Alerts



Section 3 “Secure”


Integrated Security Systems
www.

Security Systems Integration

CCTV

Real-time video surveillance to protect premises.

Access Control

Controlled entry and exit for authorized personnel only.

Alarm Systems

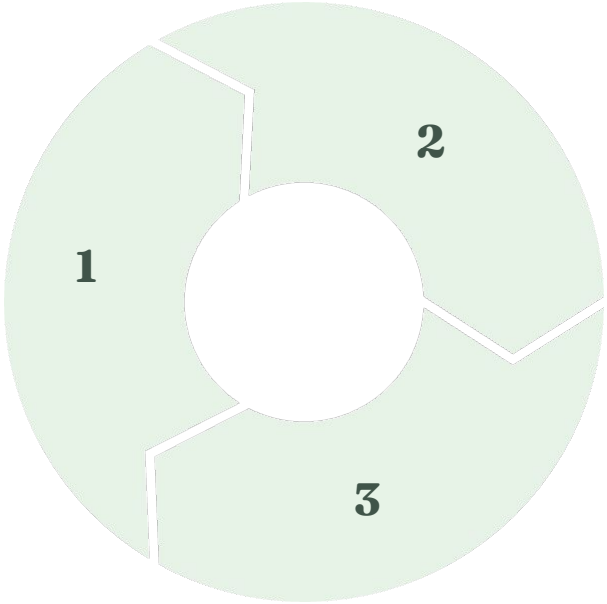
Instant alerts on security breaches or emergencies.

Example: Verkada's integrated system reduced crime by 30%.

Integrating Systems for Enhanced Security

Unified Management

Central platform to monitor security systems in real-time.



Automation

Automate security protocols to improve response speeds.

Data Analytics

Leverage analytics for proactive threat detection and prevention.


All Things Data

ALL Things Data

01

Data center

Efficient, organized handling of data throughout its lifecycle.

02

Data Management

Organized handling of information.

03

Data Security

Protection against unauthorized access.

Data Center: Providing state-of-the-art data centre infrastructure for seamless operations.

Types of Data Centers:

1. **Enterprise Data Centers:** Owned and operated by a single organization for its own use.
2. **Colocation Data Centers:** Offer space for multiple customers to house their servers in a shared facility.
3. **Cloud Data Centers**: Part of a cloud computing infrastructure, providing scalable and on-demand computing resources.

Data Management: Connecting the data center industry to data management involves understanding how data centers support and facilitate various data management practices and technologies.

Data management encompasses the strategies, technologies, and practices used to store, organize, secure, and exchange data between people, applications, and systems.

Data Security: Data security within data centers is a subset of broader data management practices, focusing specifically on protecting data from unauthorized access, use, disclosure, disruption, modification, or destruction.

Provision of Power Solutions such as UPS

The broader context of data security, data management, and data centers, especially in scenarios where there is no power, is crucial for maintaining the integrity, availability, and confidentiality of data.

They provide backup power to allow for safe shutdowns or to keep equipment running until the main power is restored. The best UPS systems offer a balance of run time, power output, and features like automatic voltage regulation.

Supply systems to cover the backup Power needed for IT Infrastructure from small computer rooms to hyperscale data centres

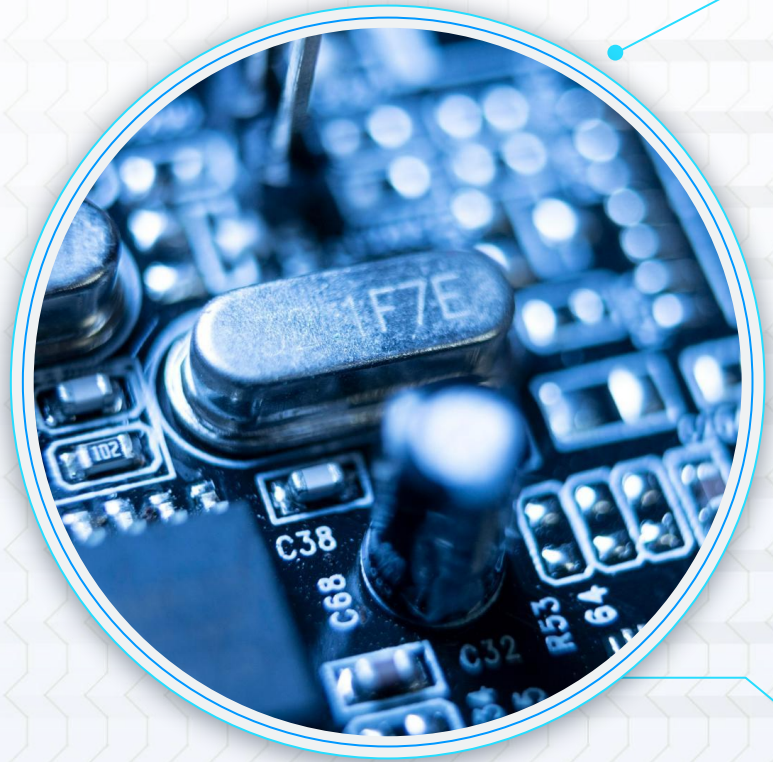
Section 4: Connect. Secure.

Fibre Network Solutions

Connect with Confidence

Surveying, designing, and deploying robust fibre networks.

Ensuring high-speed, reliable connectivity for businesses and communities.



Surveying: Our team conducts meticulous site surveys to assess the existing infrastructure, identify potential challenges, and determine the most efficient routes for laying fiber optic cables. Through comprehensive surveys, we ensure that every aspect of the project is carefully planned to minimize disruptions and optimize performance.

Designing: Leveraging our expertise and industry knowledge, we create customized designs that meet the unique needs of each client. Our design process incorporates factors such as network capacity, scalability, and future expansion requirements.

Deploying: With years of experience in fiber optic installation, our skilled technicians execute the deployment phase with precision and efficiency. From trenching and cable laying to splicing and termination, we adhere to industry best practices to ensure the seamless implementation of the fiber network.

Robust Networks: Our fiber network solutions are built to deliver unmatched performance, reliability, and scalability. By using high-quality materials and adhering to strict quality control standards, we ensure that our networks can support the increasing demands of today's digital landscape


Internet Service Provider

Processes

Tailor security solutions to match organizational needs and select suitable systems accordingly

Ensure each security system works independently and test their compatibility for seamless communication and operation.

Train staff on security system use, emergency response protocols, and maintenance procedures

Assessment & Selection

Commissioning

Training & Documentation

01 02 03 04 05 06

Installation

Complete installation and software configuration for security systems, including physical components and user settings

Integration

Pick a platform that connects systems, link security systems, and adjust the interface for easy control.

Maintenance & Support

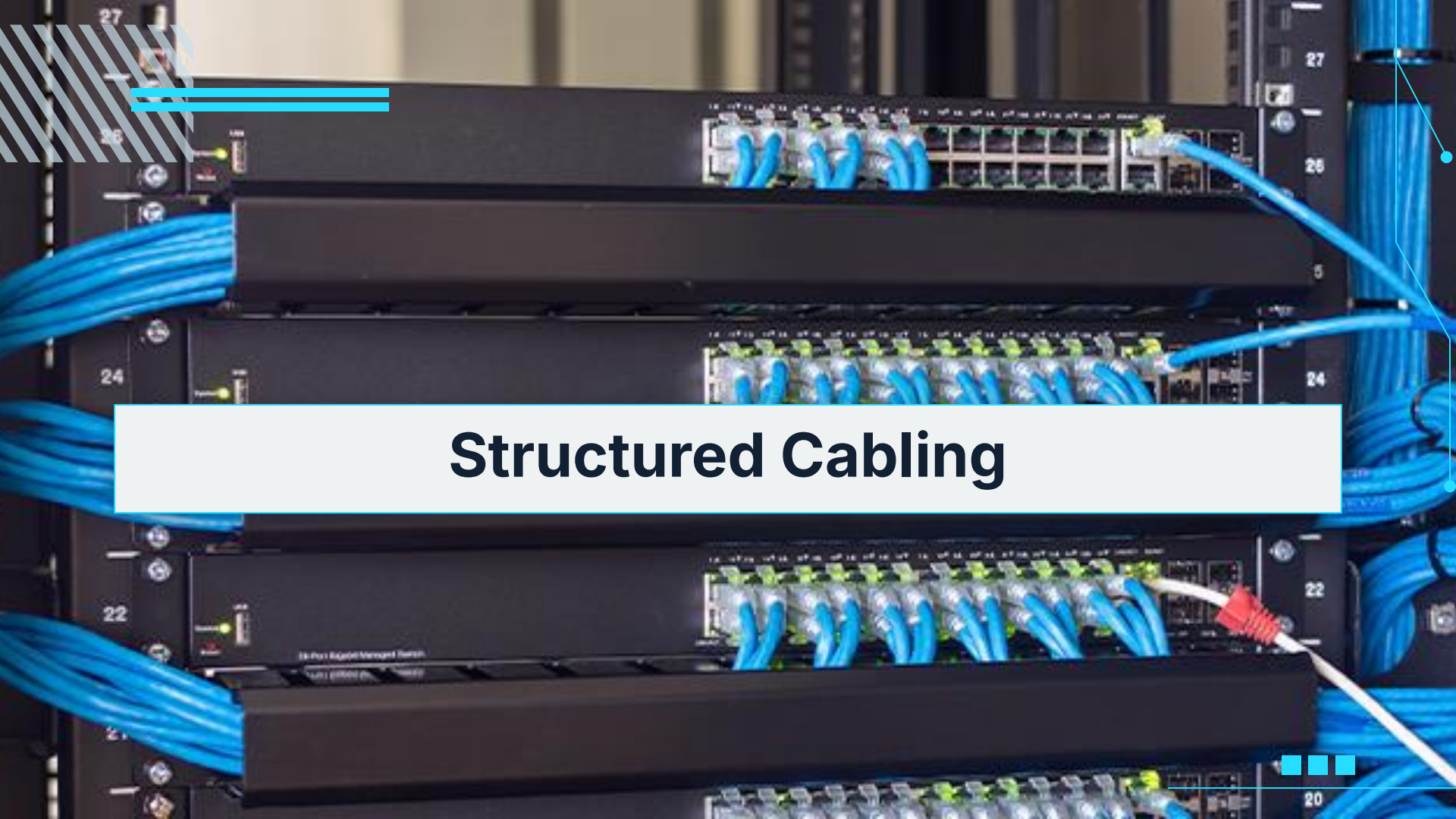
Check security system regularly, update it with new software, and provide ongoing support for any issues.

Integration Services

Ensuring safety & peace of mind

Integrated Security Systems: Installation and integration of various security systems.
Surveillance Systems: Implementing surveillance solutions for monitoring.
Visitor Management: Managing visitor access and tracking.

Fire Detection Systems: Installing systems for early fire detection.
Audio and Visual Systems: Incorporating audiovisual components for security monitoring.
Access Control: Restricting and managing access to premises.



Structured Cabling

Standardized

Uniform installation system.

Supportive

Accommodates multiple communication types.

Organized

Neatly labeled and managed cables.

Scalable

Easily expanded and modified.

Flexible

Adaptable to changing needs

Cost-Effective

Long-term saving potential

Standardized Infrastructure: Structured cabling involves the installation of a standardized system of cables, connectors, and related hardware throughout a building or campus.

Support for Various Systems: It supports various communication systems, including data, voice, video, and other multimedia services.

Organization: Cables are organized and labeled systematically, making it easier to manage and troubleshoot network connections.

Scalability: The structured cabling system is designed to be easily scalable, allowing for the addition of new connections and devices as needed.

Flexibility: It provides flexibility to accommodate changes in technology and layout, ensuring that the network infrastructure can adapt to evolving needs.

Reliability: Structured cabling follows industry standards and best practices, resulting in a reliable and high-performance network infrastructure.

Cost-Effectiveness: While initial installation costs may be higher than ad-hoc cabling approaches, structured cabling offers long-term cost savings through easier maintenance and scalability.

Connectivity Redefined

Delivering reliable internet connectivity with seamless deployment.

Bringing high-speed internet to workplaces and residences for enhanced productivity and connectivity.

In a connected world

Internet Connectivity Provision: Offering reliable access to the internet through various connection types such as broadband, DSL, or fiber optic, enabling users to browse the web, send emails, and access online services.

Infrastructure Deployment: Strategically installing the necessary infrastructure including cables, routers, and networking equipment to establish internet connectivity within buildings, offices, or private residences.

Premises Coverage: Extending internet services to physical locations such as commercial buildings, offices, and residential complexes, ensuring widespread coverage and accessibility.

User Support: Providing assistance and support to users regarding internet connectivity issues, troubleshooting network problems, and addressing inquiries related to service plans and billing.

Power Solutions

Powering Progress

Designing, supplying, and distributing power through innovative infrastructure.

Incorporating renewable energy technologies like solar power for sustainable solutions.

Designing: Our team of experts meticulously designs power solutions tailored to the specific needs and requirements of each client. We take into account factors such as energy demand, load profiles, and environmental conditions to create efficient and reliable power infrastructure designs.

Supplying: We source high-quality equipment and components from trusted manufacturers to ensure the reliability and longevity of our power solutions. From transformers and switchgear to cables and distribution panels, we provide everything needed to power your operations efficiently.

Distributing: Our comprehensive approach includes the installation and implementation of power distribution systems to deliver electricity precisely where it's needed. We design distribution networks that minimize energy losses and ensure consistent power supply to critical facilities and equipment.

Incorporating Renewable Energy: In line with our commitment to sustainability, we integrate renewable energy technologies like solar power into our solutions. By harnessing the power of the sun, we help reduce carbon emissions, lower operating costs, and promote environmental stewardship. Our expertise in solar power allows us to seamlessly integrate these systems into existing infrastructure or design new, renewable-powered solutions from the ground up.

Joseph N. Mundia
CEO & MD

(+254) 707586837
www.pitchforwardgroup.com
joseph.mundia@pitchforwardgroup.com

PITCH FORWARD LIMITED

PWC Tower, Delta Corner
Westland, Nairobi, Kenya

Thanks!

Caroline Simiyu
Head of Corporate Clients & Business Specifications

(+254) 723425668
www.pitchforwardgroup.com
matingi.simiyu@pitchforwardgroup.com

PITCH FORWARD LIMITED

PWC Tower, Delta Corner
Westland, Nairobi, Kenya