COMPANY PROFILE

SPECTRUM

SYSTEM INTEGRATION

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For General Queries :
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Company Introduction

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Spectrum System Integration was established in year 2019 as a telecommunication company. Since then our primary focus has been upon serving multinational service providers through various services related to telecom. Through our extensive task history we have developed a customer service oriented business philosophy. Proactive and timely customer service is the backbone of our company.

SSI has become a strength in the Telecom Industry of Pakistan by providing customers with value addition services for network infrastructure development as well as providing solution under one roof for Supply, Maintenance & Optimized Network Performance Services.

Having diverse experience in Telecom Services along with our team of professionals that has set bench mark of performance in the industry we are now going overseas to UAE as preferred vendor of choice of our esteemed Global Customers here in Pakistan.

Now, the company not only is a known telecom service integrator but also deals in software development and security consultancies. Our team as grown into a diversified tree having its branches researching and delivering quality work on Information and Data Security chapters.

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Our software development team has earned a lot of respect in developing customized user interface for threat identification and risk mitigation and has delivered some remarkable solutions for the telecom industry.

Our Managed Security Services Portfolio represents our clients who wants to offload the burden of security and transfer the risk on a corporate shoulder.

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Corporate Vision

Our vision is to be the leading builder of secure infrastructure and provide solutions as well as Managed Services in today's booming technological industry which will enable our customers to build, maintain, operate, and continuously improve their communications infrastructure and IT environment.

We have set a vision to become a premier solutions provider company providing world leadership in digital solutions for the networked society - a society transformed by personalized solutions, all speaking the same digital language, all able to Communicate anytime, anywhere. In our chosen markets, we are trying to be the leader in client satisfaction, innovation, professionalism, and superior quality solutions. We are the architect of responsive, fast, cost effective and creative solutions to our clients' benefit, compensation, and their critical needs. Our teams combine technical excellence with a superior understanding of client needs and the environment in which our clients operate. We are committed to working partnerships with our clients that add value and consistently exceed expectations.

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The mission is to enhance the competitive advantages of our business clients and to uplift the speed and convenience in the working and living lives of our customers by providing them with innovative, secure, cost effective and quality communication products, services and customized solutions. We intends to achieve our mission through living the values we believe in and through continually leveraging its strategic core competences for competitive advantages. All our divisions work closely with our clients to go to the last mile satisfying them in every respect.

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Performance Excellence

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SSI strives for excellence in everything we do.

We are committed to bringing value to our customers and providing innovative solutions that meet or exceed the needs of each project. We view each relationship we have as a PARTNERSHIP, whether it is with a customer, a partner, an associate or one of our team members.

We provide services for every aspect of a project's lifespan, from the initial identification of a business requirement through to management and/or ownership of the resulting facility. We are experienced in every possible delivery method, but regardless of contract type we take responsibility for our role and actively manage every component of the process.

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TELECOM Solutions

Having vast experience of top management in the Telecom Solutions we have developed an in-house strength of bringing famous global telecom active and passive equipment suppliers under our banner to provide one window solutions to our customers including supply chain management, installation & commissioning on site.

Leveraging on the latest technology and know-how, working with hundreds of customers nationwide, Our focus is on providing cost-effective network solutions to network operators and service providers in following areas: enterprise, security, military, home and local access.

In today's rapidly changing business environment, an effective, high quality and reliable system of communication is your key to success. New communication technologies can make your company more efficient, improve customer service and enrich your bottom line.

SSI is uniquely positioned not only to identify your specific needs, but to solve all your telecommunications problems with state-of-the-art services.

We are proud to offer a wide range of services, solutions & Equipment both for Data/Telecom Infrastructures, which we believe, offer the best value and service in their field. We also understand that all clients' needs are not the same, which is why if you cannot see exactly what you're looking for, our sales team will gladly guide you through all the options available and tailor a solution to better fit for customers.

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We also provides Network Consulting, Network Access and transmission systems for fiber optic/copper cables & wireless.

i. Optical networks

Optical multiplexing (DWDM), fiber optic transmission and multiservice access solutions

ii. Data Communication

Local area networks, wide area networks and virtual private networks

iii. Test and measurement

Wireless, optical fiber & copper testing measurement solutions

iv. Telecom accessories

DDF & MDF solutions, cables & connectors, RF, optical and copper accessories, telecom exchange equipment, Telephone Cable Accessories (Jointing kits, UY Connectors, Fuses), HBA Cards, Patch Cords, switches & relays,

v. Power Systems

Power backup systems, Uninterrupted Power Supplies, rectifiers & batteries,

Generators, line conditioners

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TURNKEY PROJECTS

- Survey of 24 sites of DU in UAE for installation of SDH equipment
- Supply, installation testing and commissioning of SDH equipment of Infinera, USA of 24 sites of DU network
- Supply, Installation and commissioning of 150 Point to Point Microwave Radio Systems for worldcall CDMA project.
- Supply installation, testing and commissioning of 100 links of MW (PDH & SDH) to worldcall for their Phase II of their CDMA network

- Installation of core DXX-Tellabs equipment for Ericsson For their Warid Network.
- Installation of GSM BTS sites for Ericsson
- Installed Optical Tx and SDH System of Huawei for PTCL
- Carried out Drive Test on Huawei Supplied CDMA System for PTCL
- Installed GSM Repeaters for Telenor & Warid
- Supply installation, testing and commissioning of Rectifiers and Batteries for PTCL with Cisco

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Information Security

With the increase in the cyber threats in recent years, needs of security and incident handling grew exponentially, and has become necessary to engage in security developments and incident handling. Spectrum System Integration (SSI) is also providing security and system management services in which SSI is offering converged endpoint management, secure development of software, cybersecurity platform for asset discovery and inventory, vulnerability assessment, Penetration Testing client management, risk & compliance management, threat hunting and sensitive data monitoring. SSI's cybersecurity division has well driven team of experts who possess the in-depth knowledge of ICT security.

SSI experts are well capable to walk companies through the challenged road map to achieve the required security posture and desired certifications. They perform risk analysis as a part of business continuity plans and provide the customer with best solutions on the basis of our root-level analysis, market research, best practices, and approaches.

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- SSI's Penetration testers are capable of performing black, grey, and white box testing. We have provided our services to majority of clients to identify their correct security posture and enhance it.
- SSI's focus on cyber incident reporting and incident handling is reputable. We provide Managed SOC Services to our clients 24/7/365.
- SSI's incident handling team is well trained and provides optimal vigilance on network traffic.
- SSI's incident responding team comprise of security experts that provide the mitigation for occurred event on optimal basis.
- SSI's Communications and Network Security Department comprise of experts having tons of experience in designing and integrating secure channels for enterprise and telecom networks and have successfully integrated projects having multi-tiered redundant datacenters across the country.
- SSI participated and conducted several successful security awareness programs for public and private sectors where the security was never considered. The organizations pain point of "human error" and carelessness was addressed by performing various security attacks. The genuine concept of how to avoid incidents from happening and to respond to phishing, vishing, and pharming attacks, to non-technical staff was discussed.

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Managed Compliance Services

- Risk Management
- BCP and DRP
- ISOC Integration
- Security Incident & Event Monitoring
- Log Management
  Incident Management and Response Mitigation
- Unified Threat Management (UTM) as Services
  Anti-Phishing & Pharming Service
- Anti-Virus, Anti-Malwares, Anti-Spyware, Anti-Adware, Anti-Spam Solutions
- ISO 27001,
- ISO 2000, ITIL, COBIT
- OWASP, MITRE ATTACK & DEFFENCE
- NIST, CIST, CICM, FIPS

Vulnerability Management Services

- Network Security Scanning
- Application Security Scanning
- Policy/Compliance Assessment

Vulnerability Assessment & Penetration Testing

- Network Security Posture design and enhancement
- Datacenter design and service identification
- Network admission control testing and analysis
- IDS/IDP Precision and Recall Analysis
- Application Security Analysis
- Data encryption and manipulation Analysis
- Identity Management and authorization Analysis
- Access control policy analysis
- Database vulnerability identification
- Domain Controller Administration and Policy Validation
- DNS/S-DNS vulnerability Assessment
- Web Services, Applications and Server vulnerability Assessment
- Email Server Vulnerability Assessment
- Resource sharing servers and Peripheral Assessment

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Managed Security Services

- Managed Network Devices
- Managed Protection Software
- Managed Identity and Access Management
- Managed Endpoints
- Managed Content Security
- Managed Firewall
- Managed IPS / IDS
- Managed IDM
- Managed Email Solutions
- Managed Unified Hosted Services (Mail, CRM, Messaging)

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TURNKEY PROJECTS

- Performed Information Security Audits Gap Analysis for infrastructure and recommend remediation strategies. GRC readiness aligned with MOITT Cyber Policy.
- Performed Compromised Assessments for Assets
- Public Sector Compliance readiness according to MoITT Cyber Security Policy
- Compliance readiness , audits and reporting according to NTISB requirements.
- Implementation of Security advisories issued by NTISB
- Compliance readiness and Audits according to PTA, state bank and NEPRA institutions
- Data Centers information security Gap Analysis
- Virtual CISO (VCISCO) Services
- Cyber Security Awareness and Professional Trainings
- Cyber Security Staff Augmentation and HR
- Organizational Cyber Security Policy and road map preparations
- Risk Assessment and GRC Services
- Current IT infrastructure cloud-based services, websites
- Application packages, database, and networks
- Operating systems and database at the server level and user level
- Identification of Vulnerabilities, Securities Flaws, Gaps, and loopholes
- Carry out Ethical internal and external Penetration Test
- Establishment of local CERT's as per international frameworks
- Performed ISMS ISO 27001, readiness implementation and audits.

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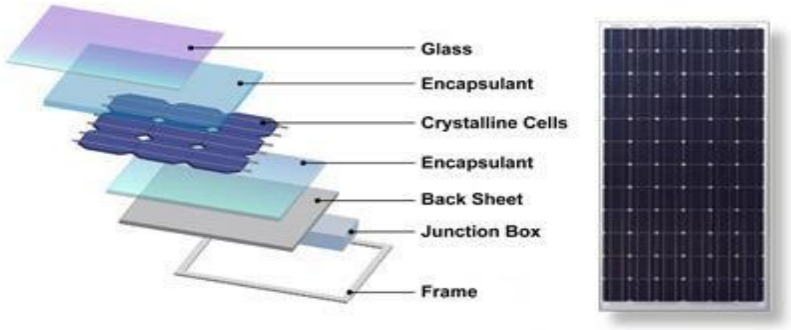
SOLAR Power Solutions

Due to huge energy crisis in Pakistan, rising electricity bills and load shedding there is a need of an alternative energy solution in Pakistan. Solar is the need of future for Pakistan energy crises.
SSI has developed itself as a one window company to provide renewable energy provider in Pakistan market.



We provide end-to-end turnkey solutions for energy system design and integration services.

SSI is focusing itself to promote the benefits of renewable energy technologies to its customers and assist them in use of clean, and free renewable energy solutions to meet the ever-growing demand for electricity.

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INTERNATIONAL PARTNERS

SSI has a strategic partnership with world re-known brands for Solar Component's. The joint technical expertise has created a unique opportunity for us to become Solar Industry experts in Pakistan.

SSI Vision is to provide Pakistani consumer with alternate source of electricity generation solution at a cost-effective price.

SSI is focused on serving below markets:

- Industrial Sector.
- Telecommunication Sector.
- Commercial.
- Enterprise.
- Medical.
- Urban Development.
- IPPs.
- Education.
- Agriculture.
- Rural Electrification

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SOLAR PANELS, INVERTERS AND BATTERIES

SSI through its nationwide network of offices all over Pakistan maintains one of the largest readily available stocks of Solar Components. We have a complete product line for below components:

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SOFTWARE DEVELOPMENT

- SSI being the house of professionals also provides software solutions and Website development.
- SSI offers full range of custom software solutions:
- Visual Surveillance
- Office Management Systems
- Decision Support Systems
- On Demand Solutions
- Embedded Systems
- Static & Dynamic Website Development
- Secure Software Improvisions and Integration

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On Demand Projects

- Traffic Analyzer and Path Detector
- Log Maintenance and Automation
- Hospital Management System (USA)
- POS (Point of Sales System (Local)
- Vehicle Management System (KSA)
- Target Detection System (UAE)
- Office Management System

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Details of Some of the Projects

- **Project Type:**

  Office management System

- **Company Name:**

  HAWK GROUPS (Saudi Company)

  Technology:

  C# .NET , SQL Server

- **HAWK GROUP** is basically a company which provides container rental services. Products include a variety of containers both in sizes and types. This group provide rental services on various flexible payment methods which include advance payment method, installment based payment plan and also after services payment plans (the payment plan depends upon the nature and magnitude of the order).

- **A software based management system** is being implemented in our company for HAWK GROUPS to automate the whole procedure. Office management system includes proper issuing of receipts, reports and decision making mechanisms.

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Project Type:

INDOOR SHOOTING RANGE Server Side Software

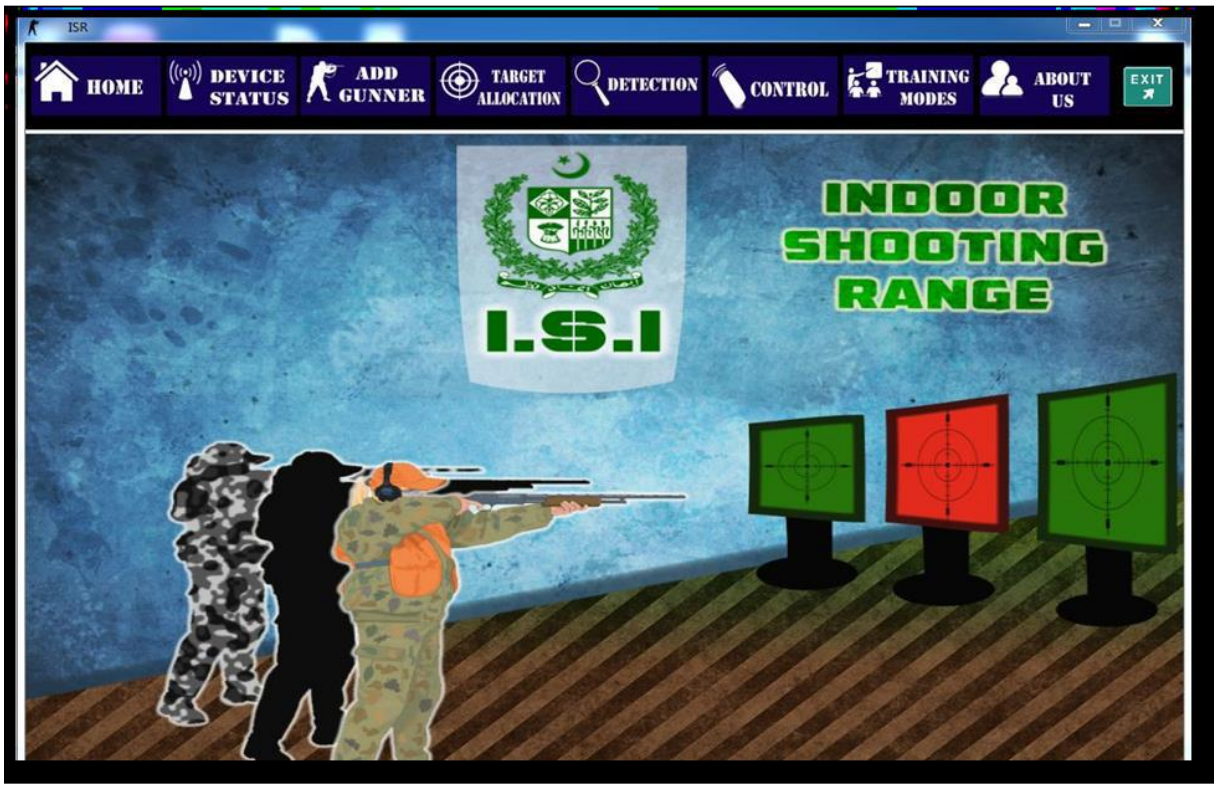
Company Name:

Technovation Private Limited

Technology:

C# .NET , SQL Server, Aforge.Net,

Description: This is the indoor shooting range software and basically it's Hardware controlled software and used to control target up down movements and detects hits and misses on Targets by use of IP camera and image processing techniques.



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Project Type:

Target Detection Server Side Software

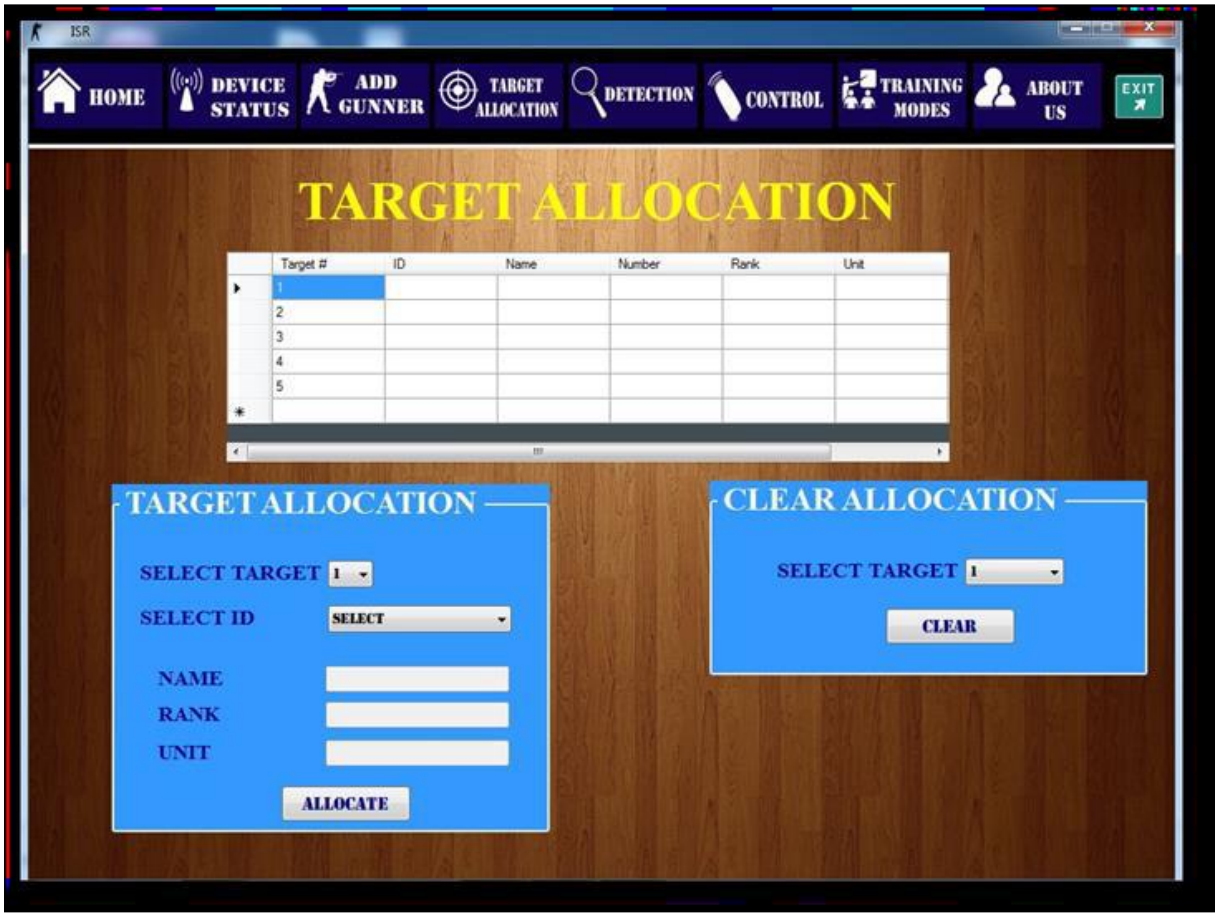
Company Name:

Technovation Private Limited

Technology:

C# .NET , SQL Server, Aforge.Net.

- **Description:** Its server side software and communicates with the fourteen controllers (which are installed at shooting Target Side) via Ethernet, IP cameras are installed at the front and back side of every target and this software get the live view of IP cameras and apply image processing techniques and detects number of hits on target after every Shoot. It has one more module called Device status this module tells the user which device is alive or which is not.



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SUMMARY

With a fast paced and rapidly forwarding technological world, SSI has marked its prints in the digital world. Within a short span of time, the company has delivered tremendous projects and earned remarkable reputation. We have shared the knowledge and invested in the future growth of technology as well as ourselves. The team working under the leadership of stake holders and data owners has proven to be not less than any other organization.

Our goal to provide a safer environment to our customers, will always remain our priority.

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