

Applied Technology Research Center

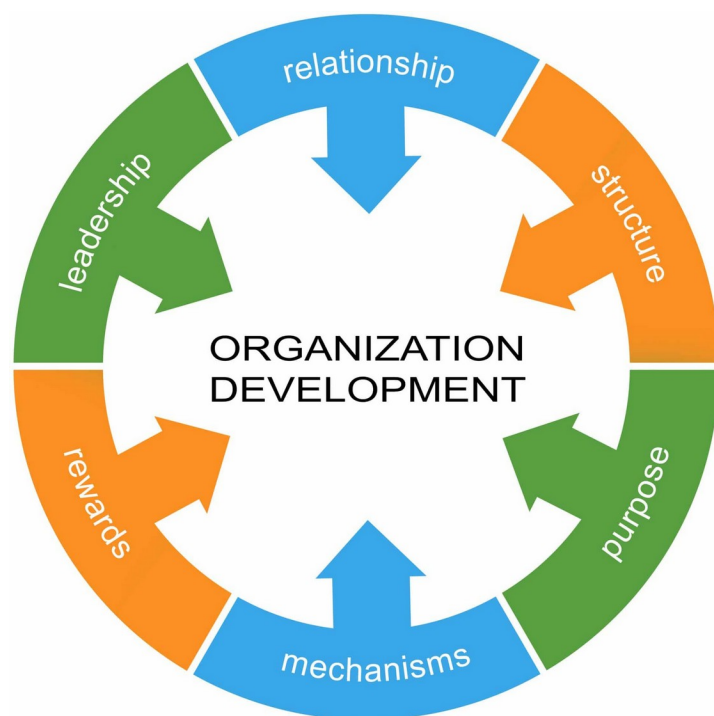
More than three decades of study demonstrates that aligning culture and strategy is critical to both organizational development and leadership success.

Most business owners and managers understand that culture is important, but do not have a firm understanding about how to effectively harness it in productive and meaningful ways that drive business performance.

Our organizational development consulting services focus on helping owners, CEOs, senior leadership, management and supervisor teams align their organizational culture and strategy to drive sustainable performance results.

We identify new and unexplored areas for organizational

development. We believe in quantifying the learning outcomes through on the job applicability for our client organizations. Our competitive edge lies in our intellectual capital that consists of a highly diversified and large pool of internationally qualified trainers and consultants who have proven track records of successfully executing industry projects coupled with emancipated corporate exposures and experience.



Support, Development, and Training to help solve your technical business problems.

We offer training, consultancy and support which is beneficial in improving profits and revenues by improving the systems which are used by our clients.

We offer expert advice, independent consulting, professional services and support for projects related to Information Technology and Communications

and

Organizational Development

within and outside the organization.

Our key objectives are promoting good ICT

management,

reducing the causes of waste or resources, which lead to missed business opportunities, and helping to improve the delivery of services to the customers. We draw on substantial international experience in designing, implementing and monitoring these projects.

Product and service procurement consulting (specifications, configurations, evaluations, installations, upgrades, and sales) is also provided.

We are here to help you. So send us your problem via email for a no obligation assessment.



If we have the people and resources to help solve it or partially solve it, we shall inform you.

We do not claim that we shall be able to solve every problem, but do claim that we shall have a look to see what is feasible based on the best practices and technology available at the time. Then provide a proposal of possibilities.

We use our experience in developing and integrating systems engineering to design, develop and provide useful, easy to use, secure, reliable, high performing, integrated and seamless solutions.

Even future trends and designs are incorporated so that our clients can get the most useful life and return on investment from the system being made from them which they are investing in.

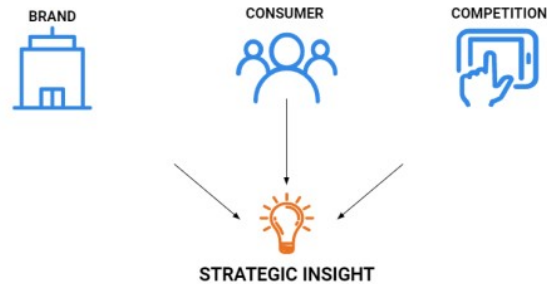
Unlocking Your Digital Potential: Elevate Your Business with Expert Consulting and Seamless Technology Implementation

At ATRC, we specialize in helping businesses navigate the ever-evolving landscape of technology by providing strategic consulting and hands-on implementation. With a proven track record of driving digital transformation, we are your trusted partner for harnessing cutting-edge solutions that drive growth, efficiency, and innovation.

Our Value Proposition:

- Strategic Insights: Our experienced consultants dive deep into your business to understand your unique goals and challenges. We provide data-driven insights that empower you to make informed technology decisions that align with your strategic objectives.

Strategic Insights



- Custom Solutions: We don't believe in one-size-fits-all solutions. Our experts collaborate with you to design tailored strategies and technology roadmaps that address your specific needs, ensuring optimal results and ROI.

- Seamless Implementation: Putting theory into action is where we excel. We take your vision and turn it into reality by executing seamless technology implementations. From software integration to process optimization, we guide you every step of the way.

- Future-Proofing: Technology evolves rapidly. We stay at the forefront of industry trends and emerging technologies, ensuring that your business remains adaptable and competitive in the face of change.



- Measurable Impact: Our success is measured by your success. We're committed to delivering tangible results, whether it's improved operational efficiency, enhanced customer experiences, or increased revenue.



- Collaboration and Empowerment: We're not just consultants; we're collaborators. We work side by side with your team, sharing knowledge and building internal capabilities so that your business can thrive independently.

Experience the ATRC Advantage:

Transform your business with a strategic partner that combines industry expertise, technological acumen, and a passion for innovation. Let's embark on a journey to unlock your digital potential and achieve new heights of success.

If you are interested in getting help to improve your business with practical solutions supported with real world feasibility studies, contact us today to discuss how we can tailor our consulting and technology solutions to your unique business needs.



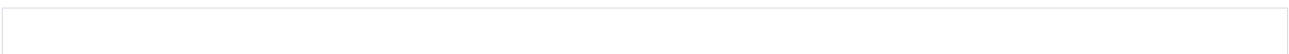
Projects Done

ICT Related Projects:

- Artificial Intelligence for Banking: KYC, AML, and CFT.
- Digital Currencies Exchange Development.
- E-commerce with Warehouse Integration.
- DevOps: Agile, PMP, SDLC, Kubernetes, Jenkins, Docker, AWS, EC2, AppSody, and Kabanero.

Projects That Make Money:

- Recession Management Business Strategy Development for a Service-Based Client in the UAE.
- Development of Small and Large Scale Economically Feasible Solar and Wind Power Units for Sigma Energy.
- Internet Business Feasibility Studies for Investors.
- Supervising Research on Cost Competitive Solar Power Production.
- Designed, Developed, and Implemented 5 Cities VoIP-Based Satellite Network for Inter-cities and International Call Origination and Termination.



Projects That Made Totally New Technology:

- Design, Development, Testing, and Production of the Fastest File and Device Replication System to Allow Extremely Fast Replication of a Virtual Machine for Disaster Recovery Purposes. This is 20 to 100 Times Faster Than Rsync, Which Was the Fastest Method Available for Files.

Projects That Save Money:

- Development of Digital Banking Security Systems Based on High Security, Reliability, and Performance Experience Gained from the Internet and Telecom Industries. June 2017 and Ongoing Research.
- Researching Businesses for Alternative Energy in Bio-Diesel, Fusion, and Wind Power.
- Developed and Implemented Several ISPs' Customized Billing Software and Bandwidth Management.
- Outsourced IT Support Design and Implementation, LAN, and Printer Sharing Configuration for Cogent, Dubai.
- Design and Implementation of Solar Powered Agricultural Water Pumping Solutions for Farms near Nawabshah, Sindh.

Projects That Save Time:

- Development Faster Deployment of Servers by Evaluating Various DevOps Technologies and Integrating the Best Open Source Software Available. Jan 2019 and Ongoing Research.
- Disaster Recovery of NAS Storage for a marketing company in Media City in Dubai, UAE.
- Remote Server Troubleshooting and Administration Services.
- Installation and Development of Automated Scripts for Backups. Linux-Based File and Print Server with Windows Client Integration. Design and Implementation of a Business Continuity and Disaster Recovery Plan for Data on the Linux-Based File Server and MS Exchange Server. Anti-virus Installation, Monitoring, and Management for the Entire Company. Relay Block List Removal for Company's MS Exchange Mail Server for a Reinsurance Company in Dubai.

Projects That Build Relationships:

- Developed and Proposed the Idea of PSEB's Opensource Resource Center (OSRC).
- **Organized the First Opensource Conference in Pakistan for IBM, PSEB, TReMU, ATRC, PIMSAT, and Ministry of IT from Concept to Finish.**

Projects That Make Work Easier:

- IT Department Setup, Servers for Email, File Sharing, User Management, Automated Backups, and Continuous Monitoring for an Marine supplier based in UAE, Bahrain, and Saudi Arabia.
- Consultancy for Accounting and ERP Software for an Investment company in Karachi, Pakistan.
- Development of Support Infrastructure for Open Source Collaboration Software.
- Implementation and Support for a Network-Based Fax System for a Client in the UAE.
- Implementation and Support for a Web-Based Invoicing System for a Client in the UAE.
- Oracle, Open Source Migration, and E-commerce Infrastructure Management Support for Companies Including: Airlines, Manufacturing companies, Financial institutions, Distribution, Retail and Pharma companies in Pakistan and UAE.
- Implemented POS, Modified POS Software in Java and Netbeans to Meet Restaurant's Requirements. Added Wireless Printing for a multiple restaurants, Grocery stores, tailoring shops and Shisha joints in Dubai.
- Converted a POS to wireless for a large seating area restaurant in Karachi.

Projects That Expand the Business:

- Development of Appliance Servers: NAS, Mail, Proxy, LDAP, and Backup.
- Developing and Maintaining Call Centers and VoIP Telecoms Networks for Several Investors.

Projects That Retain Existing Customers:

- Security Implementation and Audit of Intensive E-commerce Applications.
- Support for Open Source ERP/CRM/SCM/BI Systems for Organizations.
- Optimized and Secure Proxy Server Designs for Cybercafes.
- Security Policy and Implementation for ISPs.
- Linux and TCP/IP Training of System Administrators of Controller of Naval Accounts (CNA) on AS/400.
- BCMSN, CCNA, CCNP Course for British Petroleum Network Administrators.

Projects Which Attract New Customers:

- Supervising Feasibility Analysis of Elsbett Engine Redesign Costs.
- Support for Open Source ERP/CRM/SCM/BI Systems for Organizations.
- Development of E-commerce Courses as New Offerings.
- Open Source Migration Support and Training and Research for Large Scale Multinational and Government Clients.
- Provided Consultancy and Advice for Mobile Wallets and Payments from Kiosks to Instanet Dubai.
- ERP and CRM Installation and Startup Training for Aesthetic Interiors in Al Ain.
- SAMBA and Squid Proxy Server for electrical contractor and power parts distribution company in Jebel Ali, UAE.

Projects That Solved Specific Problems:

- Developed a MAC Address Based WIFI Server for Hotspots. Added Extreme Proxy Facilities and Utilization of Higher Speed CPUs and More Memory Than the Products Available in the Market. This Project Is a Product Developed for ATRC.
- Created a Software-Based System to Detect Stock Market Manipulation for the Securities and Exchange Commission of Pakistan (SECP).
- Troubleshooting of VoIP Quality Issues on Linux for a Call Center in Karachi.
- E-commerce Security Consultancy for Stock Exchange Companies.
- Designing and Configuration of HTTPS via Squid Based Reverse Proxy Servers on Linux for Outlook Web Access.
- Configuration Debugging for Micropoint's Cisco-Based IP Phones and IVR Telephony System in Dubai.
- Email Server Disaster Recovery for Retailer Group in Sharjah.
- Diagnosed, Troubleshooted, and repaired a wheat quality checking equipment LAB system used by exporters for a University in Pakistan.

Projects That Made Companies More Competitive:

- Installed, Configured, and Continued Support for a Regulatory Authority Linux-Based Servers for Mail Relay, Reverse Proxy, Migration of MS Exchange to Kerio, Win AD Integrated SAMBA Server, Cisco ASA Firewall Configuration. Dubai and Abu Dhabi Offices. Complete Troubleshooting Support for MS Outlook-Based Clients Connecting to Kerio Mail Server.
- Installed, Configured, and Continued Support for a CERT's Linux-Based Servers for Relay Server as a Front End for Exchange with SMTP Two-Way Relay, Reverse Proxy for Outlook Web Access, POP3 Relay Server, Cisco ASA Firewall Settings. Dubai.
- Provision of Analysis, Selection, Deployment, and Maintenance Services for ERP/CRM/SCM Systems for a pharma manufacturer in Pakistan.
- Extremely Effective Implementation of a CRM System for a Client in UAE.
- Security Design, Implementation, and Continuous Monitoring for Organizations.
- Integration of MS Exchange Server with Linux-Based Mail Relays.
- Configuration of Windows and Apple-Based LANs and Internet Connectivity for a satellite insurance company in Dubai.



Trainings done

- Computer security
- Secure programming and coding
- Ethical Hacking (CEH)
- Entrepreneurship
- Project Management
- Maintenance and Reliability Best Practices: Lowering Life Cycle Cost of Equipment
- Network Management and Security
- Marketing and Selling
- Operating systems
- Labor Union Management
- Software project management
- Software engineering
- Enterprise resource planning
- Economic evaluation of prospects and producing properties in oil and gas
- Search engine optimization
- Social Media marketing
- Internet Marketing
- Sales force automation
- Ecommerce
- Information and Communication Technology in Management
- Redhat RHCE/RHCT
- Linux professional institute (LPI)
- MS Office



- Staroffice/Openoffice/Libreoffice
- Web development
- Customer relationship management (CRM)
- Supply chain and logistics
- Final Semester Project
- LAMP Linux/Apache/Mysql/PHP
- PostgreSQL
- MS SQLServer
- Oracle
- Data communications
- Linux
- CCNA
- CCNP
- BCMSN
- Virtualization
- Cloud computing
- Funding for entrepreneurship
- Solaris
- Perl/CGI
- Introduction to Programming
- WAP Programming
- Unix
- Advanced Networking
- Computer Graphics
- Distributed operating systems
- Basic Reservoir Engineering for oil and gas.
- Basic oil and gas processing and production.
- Effective Record-keeping in Oil and Gas
- Fundamentals of oil and gas



Contact :

Mr. Khawar Nehal

CEO

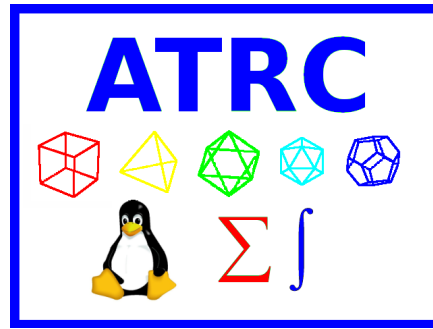
Applied Technology Research Center

Email : khawar@atrc.net.pk

Mobile :

Ufone : +92 331 2036 422

Telenor : +92 343 2702 932



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Karachi Computer Services



Tawanai Energy



Metamorphic



Fresh Water™



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