



Pakistan Aerospace & Defense Capabilities



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The President's Message

Dear Members, Partners, and Stakeholders,

It is a distinct honor to address you as President of the Pakistan Aerospace Council at this pivotal moment in our shared journey. We stand at the edge of extraordinary transformation, where technological progress accelerates with unprecedented speed, leaving in its trail a wealth of opportunities for the innovative, capable, and industrious to capitalize upon.

PAeC is a dynamic cluster of engineering enterprises that aspires to transform and push boundaries in aerospace design, advanced manufacturing, electronics, UAVs, radar, control systems, and other cutting-edge domains. Our member organizations carry the hallmark of engineering excellence while embracing the urgency of global relevance. You are the architects of Pakistan's emergence as a credible, competitive player in the international aerospace and high-tech arena. Your ingenuity and resolve are the lifeblood of PAeC's success.

But technology alone is not enough. To truly shape the future, we must invest in people. Bridging the divide between academia and industry is no longer optional it is imperative. Our human capital must be equipped not just to meet tomorrow's challenges, but to define them. PAeC is actively launching new initiatives to connect our brightest minds with global opportunities, to be anchored by cutting-edge design and innovation hubs envisioned as national beacons of excellence, incubation, and entrepreneurial growth.

Collaboration is our catalyst. By forging deeper ties with technical institutions, hosting strategic dialogues on defense and aerospace technologies, and pursuing joint ventures, we cultivate a culture of continuous learning and enduring partnership. Our unified presence at global exhibitions under the "Pakistan Aerospace" banner will amplify our voice, showcase our strength, and assert our place on the world stage.

I call upon each of you, our members and partners, to embrace this vision with conviction. Let us innovate relentlessly, collaborate fearlessly, and create opportunities that transcend borders and expectations. Together, we will elevate Pakistan's aerospace industry to new heights, shaping a future defined by excellence, global impact, and national pride.

Warm regards,

Shahid Rafiq

President

Pakistan Aerospace Council (PAeC)



Pakistan Aerospace & High-Tech Industries Cluster

The Pakistan Aerospace Council (PAeC) is a dynamic cluster and Business Support Organization (BSO) bringing together enterprises engaged in the Aerospace, Defense, and High-Tech Electronics markets. Established to promote high-value addition and advanced technology manufacturers of Pakistan, PAeC plays a pivotal role in addressing national needs for technology acquisition while driving export-led, sustainable growth of the Pakistani aerospace industry.

Aligned with its vision, PAeC is committed to strengthening Pakistan's position in the global aerospace ecosystem by fostering innovation, excellence, and international collaborations. It supports the development of aviation and related technologies, enhances the global visibility of Pakistani aerospace, and strives for a steadily expanding market share.

PAeC works to safeguard and advance its members' interests at policy levels, facilitate strong networking, and generate business opportunities through participation in major international and local exhibitions and industry platforms. With a focus on a well-functioning triple helix structure, linking Industry, Academia, and Government, PAeC envisions building an ecosystem where Pakistani high-tech industries compete, collaborate, and lead on the global stage.

Pakistan Aerospace Foundation

Formerly Pakistan Aerospace Council (PAeC)

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Strategic Objectives

Pakistan Aerospace Council's activities are focused on the following key objectives:

- Improving the image and profile of Pakistan's High Tech Sector.
- Influencing the policy debates & procedures of most importance to our industries.
- Supporting Pakistan's high-value manufacturing and supply chains.
- Encouraging investments in technology and innovation.
- Supporting business development opportunities in the Global Market.
- Maximizing the growth, exposure, and influence of member organizations.
- Sustainable growth of the Private High-tech Sector in Pakistan.



PAKISTAN at a Glance

Official Name	:	Islamic Republic of Pakistan
Capital	:	Islamabad
Time Zone	:	UTC+5 (Pakistan Standard Time)
Official Languages	:	Urdu (National), English (Official)
Currency	:	Pakistani Rupee (PKR)
Government	:	Parliamentary Democracy
Head of State	:	President
Head of Government	:	Prime Minister
Flag	:	Pakistan flag is Dark Green and white, with a five- pointed White Star inside a white crescent.
Geographical Location	:	Approximately 24° and 37° North latitude and 61° and 75° East longitude. South Asia,
Calling Code	:	+92
Boundary	:	India to the East, Afghanistan to the West, Iran to the Southwest, and China to the Northeast. To its south is the Arabian Sea coastline. Total land borders 6,774 km.
Climate	:	Four seasons are recognized: 1) A cool, dry winter from November to February 2) A hot, dry spring from March through May 3) The summer, rainy season, also known as the southwest monsoon period, occurs from June to September 4) The autumn from October to November
Literacy Rate	:	63% (Males: 73.4 % Females: 51.9%)
Area	:	796,095 sq km (Land: 770,875 sq. km, Water: 25,220 sq. km)
Coastline	:	1,046 km along the Arabian Sea
Maritime Border	:	Maritime border with Oman.
Population	:	255.3 million (2025 EST.)



Map of Pakistan



www.pakistan.gov.pk

PAKISTAN

COUNTRY PROFILE

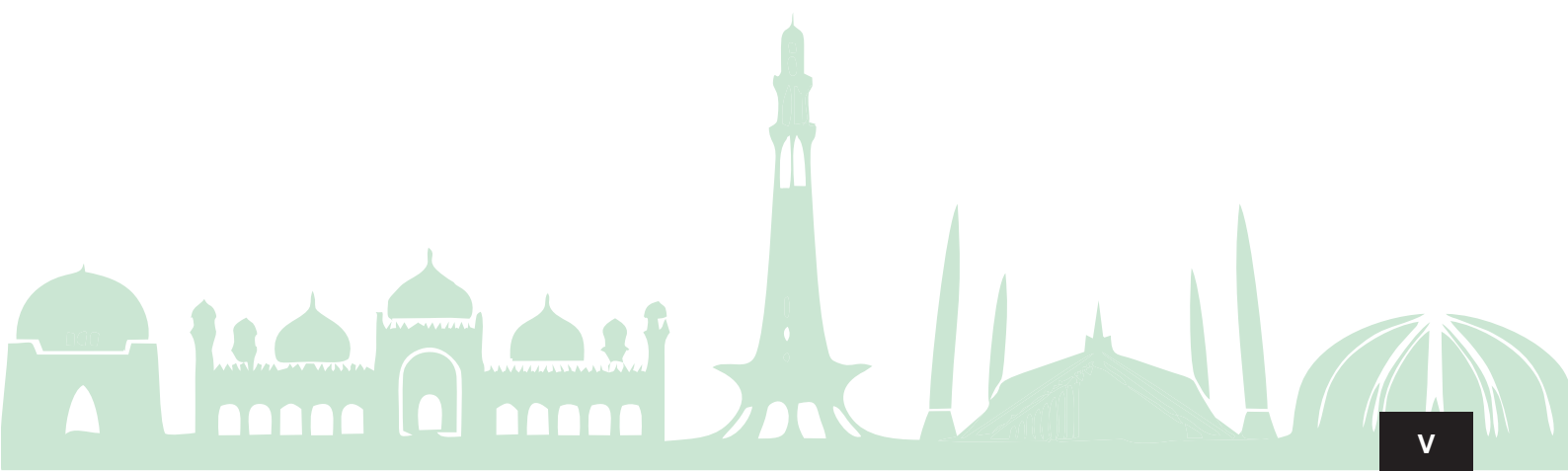
Pakistan is a strategically located nation at the crossroads of South Asia, Central Asia, the Middle East, and China, making it an important hub for trade, logistics, and regional connectivity. With a steadily expanding economy driven by **Textiles & Apparel, Automotive, Engineering, Aerospace & Defence, IT, Pharmaceuticals, Cement, Fertilizer & Chemicals, Agriculture, Surgical Instruments, Food Processing & Beverages, Sports Goods, Renewable Energy and Leather Products**, Pakistan presents vast opportunities for investors and industry leaders.

Pakistan features a diverse landscape with majestic mountains in the north (including the Himalayan and Karakoram ranges), the fertile plains of the Indus basin, expansive plateaus, and desert areas, offering both natural beauty and rich resources. Its infrastructure continues to expand with modern Motorways, upgraded Rail networks, and seaports such as **Karachi Port, Gwadar Port, and Port Qasim**. A network of over 20 Airports, including 10 International Airports and major hubs at **Karachi, Lahore, and Islamabad**, facilitates passenger and cargo operations, while projects like **Skardu** and **Gwadar** airport expansions enhance air transport capacity.

Pakistan has developed capabilities in Aerospace manufacturing, UAVs, satellite applications, and MRO services, supported by a skilled workforce of engineers, IT professionals, and technicians. Emerging technologies such as Artificial Intelligence, Fintech, Blockchain, and Healthtech are gaining momentum, creating opportunities for innovation and global collaboration.

Rich in natural resources, including **Gold, Copper, Natural Gas, Oil, Coal, Chromite, Limestone, Gypsum, Gemstone, Rock Salt** and **Hydropower** potential, Pakistan also boasts world-renowned landscapes such as K2, the Karakoram Range, and the diverse terrains from the Himalayas to the Arabian Sea, along with the historic Indus Valley Civilization. It is home to UNESCO World Heritage Sites, including Mohenjo-daro, Takht-i-Bahi and Sahr-i-Bahlol, Taxila Ruins, Lahore Fort and Shalamar Gardens, Makil, Thatta Historical Monuments and Rohtas Fort. The country's vibrant culture, rich cuisine, and renowned hospitality further add to its appeal as a destination for tourism and investment alike.

Pakistan maintains an open investment regime, allowing 100% foreign ownership in many sectors, with incentives offered through **Special Economic Zones** and initiatives like the **China–Pakistan Economic Corridor (CPEC)**. Trade agreements with the EU, China, Turkey, Malaysia, Indonesia, Azerbaijan, Sri Lanka, and other nations further position Pakistan as an emerging player in regional and global commerce.



Engineering Universities in Pakistan

According to the Higher Commission of Pakistan rankings, the following comprise the top-ranking Engineering Universities in the country.

- **National University of Sciences & Technology**
<https://nust.edu.pk/>
- **Ghulam Ishaq Khan Institute of Engineering Sciences & Technology**
<https://giki.edu.pk/>
- **University of Central Punjab**
<http://ucp.edu.pk/>
- **NED University of Engineering and Technology**
<https://www.neduet.edu.pk/>
- **Pakistan Institute of Engineering & Applied Sciences**
<https://www.pieas.edu.pk/>
- **Air University**
<https://www.au.edu.pk/>
- **Institute of Space Technology**
<https://www.ist.edu.pk>
- **University of Engineering and Technology, Lahore**
<https://uet.edu.pk/>
- **University of Engineering and Technology, Peshawar**
<https://www.uetpeshawar.edu.pk/>
- **University of Engineering and Technology, Taxila**
<https://www.uettaxila.edu.pk/>
- **Government College University, Lahore**
<http://gcu.edu.pk/>
- **Dawood University of Engineering & Technology**
<http://duet.edu.pk/>
- **Balochistan University of Information Technology, Engineering and Management Sciences**
<https://www.buitms.edu.pk/>
- **Quaid-e-Awam University of Engineering, Science and Technology**
<http://quest.edu.pk/>
- **Sarhad University of Science and Information Technology**
<http://suit.edu.pk/>
- **HITEC University**
<https://www.hitecuni.edu.pk/>
- **CECOS University of Information Technology & Emerging Sciences**
<http://www.cecos.edu.pk/>
- **Balochistan University of Engineering and Technology**
<https://www.buetk.edu.pk/>
- **Government College University, Faisalabad**
<https://gcuf.edu.pk/>
- **Minhaj University Lahore**
<https://www.mul.edu.pk/>

Pakistan's Industrial Clusters

Textiles & Apparel:

- Faisalabad: "Manchester of Pakistan," Hub for spinning, weaving, dyeing, and garments
- Karachi – Export-oriented garment units, knitwear, home textiles
- Lahore & Multan – Garments, embroidery, towels, and home furnishings
- Sialkot & Faisalabad – Sportswear, hosiery, knitwear

Automotive & Engineering

- Karachi – Assembly of cars, motorcycles, buses, and trucks; auto parts manufacturing
- Lahore & Sheikhupura – Car assembly plants, motorcycles, tractors, agricultural machinery
- Faisalabad & Gujranwala – Engineering workshops, Light machinery

Aerospace & Defence

- Kamra (Attock) Aircraft manufacturing, maintenance, and avionics (PAC Kamra)
- Rawalpindi / Islamabad & Karachi: Aerospace & Defense Manufacturers
- Taxila, Heavy Industries Taxila, Heavy Mechanical Complex
- Karachi – Karachi Shipyard & Engineering Works (ships, submarines)
- National Aerospace Science & Technology Park (NASTP)
- National Incubation Center for Aerospace Technologies (NICAT)

Surgical Instruments & Sports Goods

- Sialkot Over 70% of the world's surgical instruments and the official FIFA World Cup footballs are made in Pakistan

Pharmaceuticals

- Karachi – Leading pharmaceutical manufacturing, chemicals, and petrochemicals
- Lahore & Islamabad – Formulation plants, research facilities

Chemicals:

- Karachi, Lahore, Hub, Sheikhupura, and Multan.

Cement Manufacturing Plants:

- DG Khan, Chakwal, Attock, Hub, Kohat, Nowshera Hattar & Mianwali

Fertilizer Production:

- Karachi, Multan, Daharki, Mirpur Mathelo, Sheikhupura, and Sadiqabad.

Agriculture & Food Processing

- Punjab Plains: One of the world's largest producers of Rice, Wheat, Sugarcane, and Mangoes
- Sindh & Khyber Pakhtunkhwa – Sugar mills, edible oils, and packaging

Leather Products

- Karachi, Kasur, Sialkot & Lahore – Tanneries, leather garments, gloves, and shoes.

Renewable Energy & IT

- Sindh & Punjab – Wind and solar farms
- Islamabad, Lahore & Karachi – IT parks, Software Houses, and tech incubators. One of the fastest-growing IT export sectors, with global recognition in freelancing and software services.



Major Airlines of Pakistan



www.piac.com.pk

air**blue**

www.airblue.com



www.airsial.com


FlyJinnah

www.flyjinnah.com


SereneAir

www.sereneair.com



Air Karachi
Where every journey begins

www.air-karachi.com

Professional Industry Associations

- **Pakistan Aerospace Council (PAeC)**
<https://pakaero.com.pk/>
- **Pakistan Auto Parts Manufacturers Association (PAAPAM)**
<https://www.paapam.com/>
- **All Pakistan Textile Mills Association (APTMA)**
<https://aptma.org.pk/>
- **Pakistan Textile Exporters Association (PTEA)**
<https://ptea.org.pk/>
- **Pakistan Software Houses Association for IT & ITES (P@SHA)**
<https://www.pasha.org.pk/>
- **Pakistan Pharmaceutical Manufacturers Association (PPMA)**
<https://ppma.org.pk/>
- **Pakistan Foundry Association (PFA)**
<https://www.pfa.org.pk/>
- **The Institution of Electrical and Electronics Engineers Pakistan**
<https://www.ieeep.org.pk/>
- **Pakistan Leather Garments Manufacturers & Exporters Association**
<https://www.plgmea.pk/>
- **Pakistan Plastic Manufacturers Association**
<https://pakplas.com.pk/>
- **All Pakistan PVC Pipe Manufacturer Association Manufacturers**
<http://appmma.org/>
- **Pakistan Readymade Garments Manufacturers & Exporters Association**
<https://www.prgmea.org/>
- **Pakistan Tanners Association (PTA)**
<https://www.pakistantanners.org/>
- **Pakistan Ethanol Manufacturers Association (PEMA)**
<https://pema.pk/>
- **Pakistan Cotton Ginners' Association**
<https://www.pcga.org/>
- **Association of Consulting Engineers Pakistan**
<https://www.acep.org.pk/>
- **All Pakistan Security Agencies Association (APSAA)**
<https://www.apsaa.com.pk/>
- **Pakistan Artificial Leather Manufacturing Association**
<https://palma.com.pk/>
- **Pakistan Gloves Manufacturers and Exporters Association**
<https://pgmea.org.pk/>



AEROSPACE TECHNOLOGY EXHIBITION



23rd – 24th Dec
2025

Event Highlights

- Aerospace Excellence Exhibition Featuring Latest Innovations
- Display of Manufacturing Capabilities by Pakistani Manufacturers
- Specialist Speakers from Aerospace, Aviation and Tech Industry
- Networking with OIC Countries
- Symposium on Market Trends & Tech Advancements
- Aerospace Tech Demonstrations and Product Exhibits
- International Aerospace Collaboration with Global Exhibitors

This is an excellent opportunity to showcase product and technologies to local and international customers. It is a step toward link with OIC member countries as well as local, customers and defense, Electronics, Instrumentations markets.

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- First-come, first-served basis



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www.comstech.org

Aero Engine Craft Private Limited



Indigenously Developed Jet Engine
R&D Prototype

Specification: Single Spool Turbojet Engine
100 KGF

Chief Designer & Manufacturer:

Masood Latif Qureshi
Co-Founder & CTO
Aero Engine Craft Pvt. Ltd.



Project Lead & Contact:

Dr. Sarah Qureshi
CEO & Co-Founder
Aero Engine Craft Pvt. Ltd.



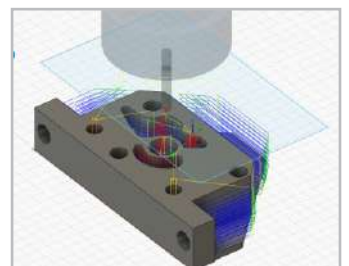
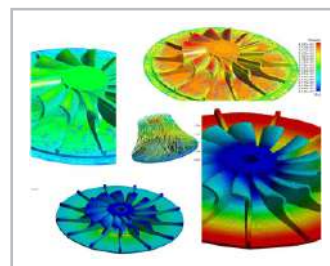
Visiting Academic,
Aerospace,
Cranfield University, UK
MSc. Aerospace Dynamics
PhD. Aerospace Propulsion
Cranfield University, UK
Private Pilot

Contact:

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- Jet Engine Development
- IC Piston Engine Development
- Rotary Engine Development
- Digital Electronic Controllers

Aero Engine Craft Private Limited is Pakistan's first commercial aerospace and engine R&D Company. It has been exclusively setup to develop indigenous jet engines for both the local and global markets. At present, we are developing the first generation of environmentally friendly contrail-free aero engines for the global aviation industry, as well as jet engines for drone applications. The company aims to bridge the technological vacuum in aerospace propulsion and jet engines in the civil and military domains. The company is based in Islamabad, where it has a technical laboratory and key mechanical machinery and electronics research and prototyping facility.

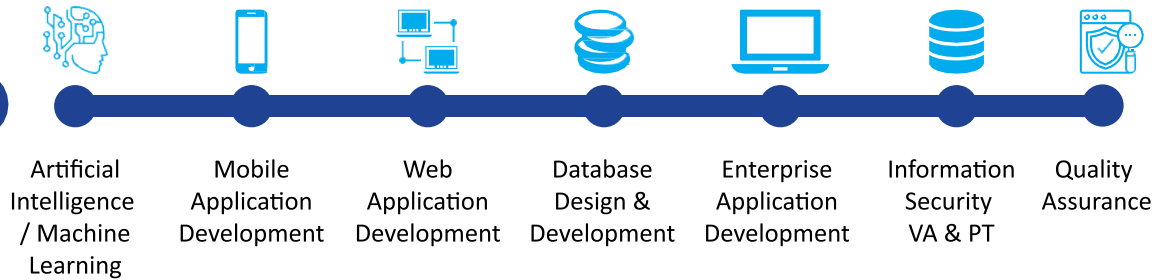


About Us:

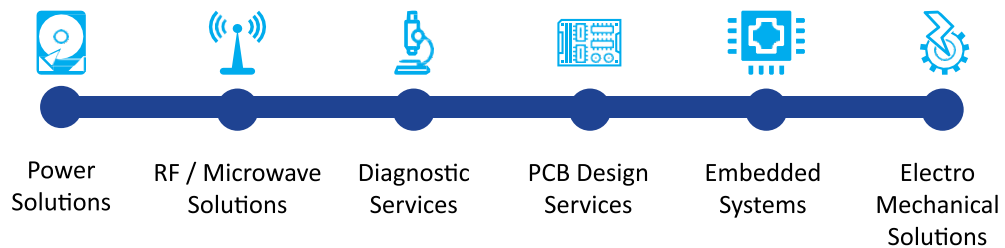
A leading research and development company in the field of Electronics & Software. We have specialized nucleus of around 600 + employees to develop and manufacture prototype to finished products of next generation design for Defence and Commercial use. Our expertise in RF, Embedded Systems, Power Solutions, PCB Designing, Mechanical, and Software Solutions allows us to model our products to meet international quality standards at a competitive price.

Our Expertise:

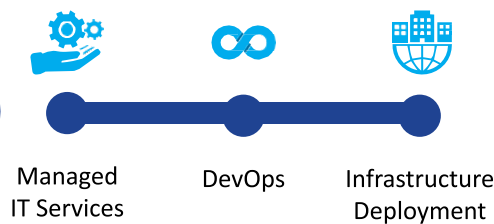
Software



Hardware



Lifecycle Support Services



Major Products:



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IFF INTERROGATOR



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I LEVEL Tester



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O LEVEL TESTER



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The Alsons Group is one of Pakistan's largest, most vertically integrated, and diverse groups of engineering concerns. With over 70 years of innovative manufacturing experience in the Automotive, Aerospace & Defence, Power & Energy, Lighting and Medical Device industries of Pakistan, we have been exporting precision parts, components and assemblies to Europe since 1992.

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Alsons
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Alsons Industries

GrayScale
A Boutique Film Production Company

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www.alsonsgroup.com



S-18, S.I.T.E Karachi 75730 Pakistan



Aviation MRO (Pvt) Ltd was founded in Pakistan in 2008. Since then, it has evolved as a major name in the Aerospace and Defence sector working with a global network of over 300 OEMs, Authorized Repair Centres, Distributors, and Re-sellers. Aviation MRO setups in Pakistan, Canada, USA, and Germany have, at a steady growth rate, so far served customers in 20 countries and 5 continents.

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Full Motion Flight
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- ✓ Continuous Process Improvement & Innovation

Award-winning Organization

Company Profile

Center for Advanced Research in Engineering [CARE] Pvt Ltd is one of the most celebrated ICT organization in Pakistan. With more than two decades since its establishment, CARE has successfully executed projects with innovative designs and has also claimed regional distinction by consecutively winning 12 Asia Pacific ICT Alliance Awards and 13 PASHA awards since 2010.

Products

- **OPTIMAL** – Enterprise Resource Planning
- **VENT**– Supply Chain Management
- **DISPATCH** – E-Governance System
- **INTELLECT GRAPHICS** – Data Analytics
- **CEDULE** – Job Shop Scheduler
- **WISER MACHINES** – Smart Sensing Nodes for Industry 4.0
- **CHAMELEON** – Security & Crypto Device
- **C-WITCH** – Cognitive Router
- **Mil Spec Rugged Layer 2 Switch**
- **OZONE** – Digitized Airspace Management
- **LISTEN** – Network Monitoring
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- **CBDC** – Digital Payment Platform

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Muhammad Aamer

Director Projects

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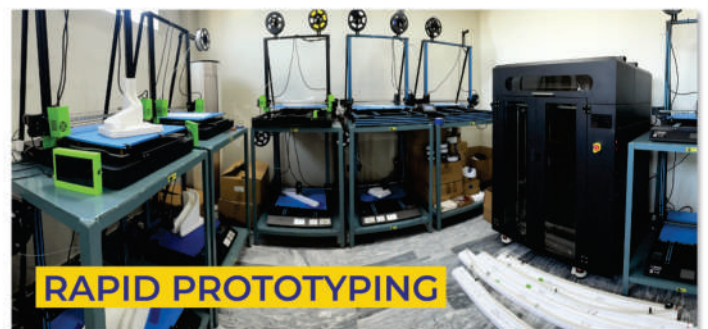
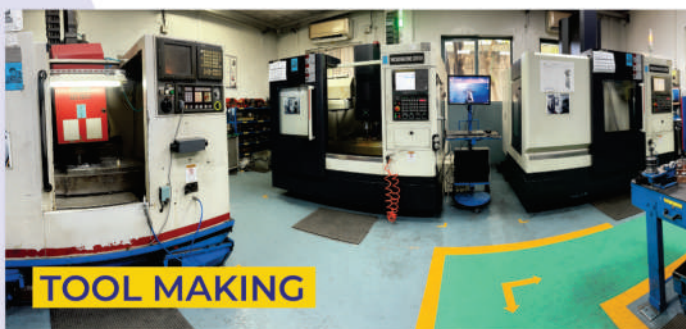
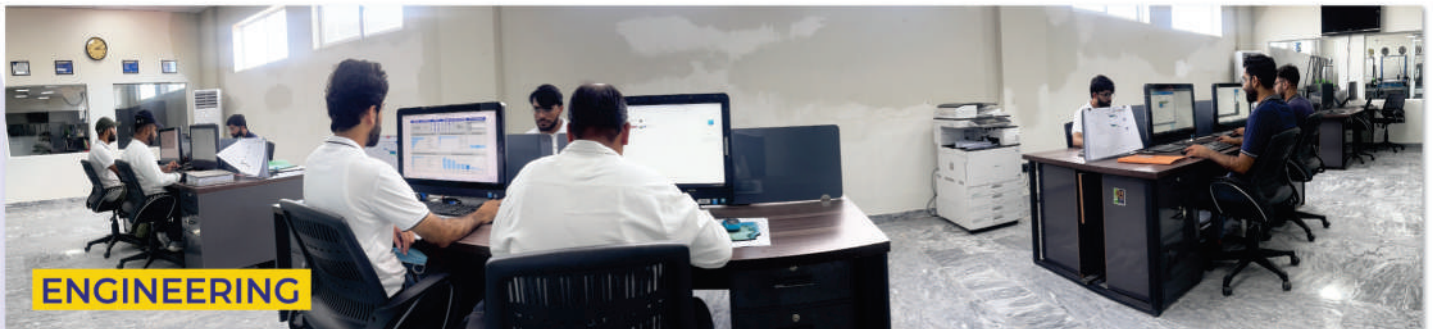
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Sheet Metal Fabrication and Forming

Surface Treatment Processes



EAST WEST INFINITI was founded in 1983 by US educated engineering entrepreneur dreaming to bridge technological gap between **East & West**, today we continue to pursue the same, lead by US educated second generation in the family.

We Engineer, Integrate, produce, Develop and Market, electronic technology products & services in professional, & industrial segments with major presence in General Aviation and military applications, drawing on vertical and horizontal synergies of various sectors.

AVIONICS INTEGRATION SOLUTIONS: We integrate Avionics in Aircraft, as a 32 year old regional Partner of **GARMIN**, specializing in Glass Cockpit

Avionics Suites, Flight Data Recorders, Helicopter Avionics & Autopilot Upgrade; with past work experience in **Chinese** A5, F7; **Russian** MIG29, MI-17; **French** Mirage III, AS-350, SA316, SA365; **US** Cessna 206, 208, 172 Bell 206, 212, 412, Sea King WS61 and **Pakistani** PAC Super Mushak Saab MFI17; and counting, **iAero flight data recorder** & flight debriefing system has been integrated in PAC/Saab MFI-17.

We manufacture **Aircraft Avionics** Harnesses, Ancillary Avionics like Lithium Avionics **Backup Battery**, Trim Monitoring System, **Remote** Power Disconnect & **DC-DC** converters.



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including ECOM GRC-105V /105U Ground to Air Transceivers , AWOS Automatic Weather Observation Systems, Ground Aerodrome awareness Systems, Nav aids, ADS-B from multiple industry partners.

TRAFFIC SPEED CAMERAS SpeedWitness™ Traffic Speed Cameras for speed enforcement and SpeedWatch™ Radar Speed advisory Boards.

WEATHER /WATER /HYDROLOGY TELEMTRY & SCADA We market, engineer, install and commission Weather, Water, Hydrology ADCP, Environmental Instrumentation & associated Telemetry & SCADA solutions, partnering industry leaders **Xylem** companies **SonTek & Aanderaa** for Water Flow, Level & Quality Instruments and **Spectrum** Agri met weather stations.

MET MASTS, RENEWABLE ENERGY INSTRUMENTATION We are market leaders in **Wind Energy Instrumentation** MET Masts and PV Solar energy measurement as partners for **NRG Renewables USA** supplemented with locally manufactured Tall Towers and Engineering.



The above products & services represent only a **snapshot** of the more recent business, in our 42-year history, we have delivered several other areas including UAVs and products in electronics & avionics technology segments, responding to the user demand and technology advancements. Our head office & factory is in the Industrial sector Islamabad, Pakistan, and branch offices in Lahore and Karachi and East West Infiniti, in **USA**.



EAST WEST INFINITI PRIVATE LIMITED

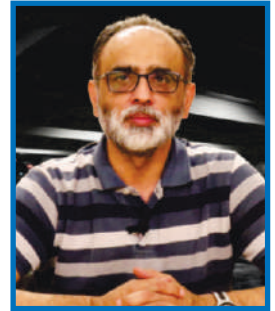
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Engineering Systems Pak

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 Contact No : +92 321 5007008
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 Website : <http://enggsyspak.com/>
 Address : Plot # 259, St. 8, Industrial Area I-9/3, Islamabad, Pakistan



COMPANY PROFILE:

Engineering Systems Pak (ESP), specializes in research and development of Unmanned Aerial Vehicles (UAVs). ESP is a team of dedicated Professionals; our team has vast experience of more than 25 years in the design, manufacture & operations of Unmanned Aerial Systems.

UAV Solutions - Our extensive experience and innovative approach to all aspects of Unmanned Aerial Vehicles result in outstanding operational solutions for its national and international customers. Machining / Process Specialization - Air Vehicle Design & Fabrication, Mechanical Design & Manufacturing, Avionics & Embedded

EXPERTISE:

- Unmanned Aerial Systems
- Aerial Targets
- Advanced Engineering Solutions
- Civil Application UAVs

UAS CAPABILITIES:

- Airframe
- Ground Control Station
- Auto-Tracking System
- Telemetry
- System Integration
- Avionics
- Navigation & Control Software
- EO Payload
- On the Field Diagnostics
- Training

PRODUCTS PORTFOLIO

- Surveillance & Monitoring:
- Medium Range UAV – Condor (Range up to 200km)
- Tactical Range UAV – Pelican (Range up to 100km)
- Close Range UAV – Optimus (Range up to 50km)
- Mini Range UAV – Ababeel
- (Range up to 10km)

AERIAL TARGETS:

- Subsonic Aerial Target (Range up to 50km)
- High Speed Aerial Target (Range up to 100km)

ACCESSORIES

- Ground Control Station
- Command & Navigation Software
- Auto-Tracking Antenna System
- Field Diagnostic Equipment
- EO Payload



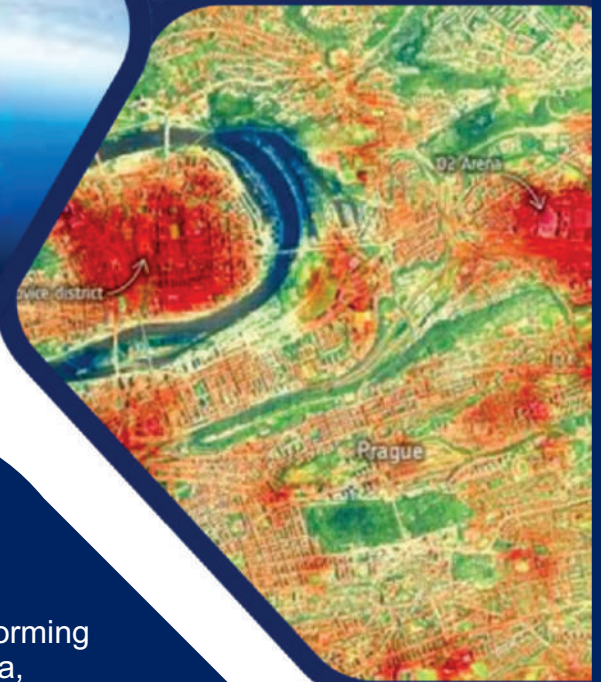
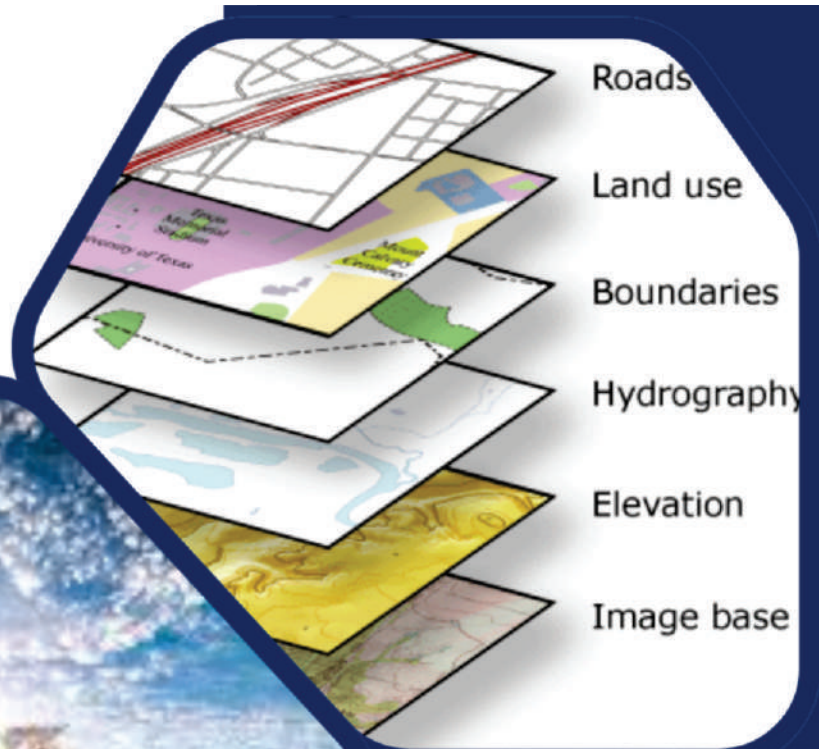
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About us

GIS Plus delivers innovative geospatial solutions through a team of experienced professionals passionate about transforming geographic information use. Bridging industry and academia, we provide customized services to meet evolving client needs, earning trust from national and international partners.

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- Vision: Be a leader in Geospatial technology.
- Values: teamwork is essential; loyalty to customers;
- passion is key to success.

CONTACT US:

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ADDRESS:

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Vacuum Control and Display: All Types of coating and other system.

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Section Overview:

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- Part of Region 10 (Asia-Pacific)

Pakistan Presence & Growth:

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Company Profile:

Agri Drone Services is a leading provider of professional drone services, offering a wide range of aerial solutions for various industries. With a focus on innovation and safety, we deliver high-quality aerial data and imagery to help our clients make informed decisions and streamline their operations. Our team of experienced pilots and technicians ensures the highest standards of service, utilizing the latest drone technology to capture accurate and detailed aerial footage. Whether it's aerial photography, videography, mapping, or inspection services, Agri Drone Services is committed to delivering exceptional results tailored to our clients' specific needs.

Pakistan pioneers Agri-Drone service provider



Drones Services:

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- Drone Surveillance Service
- Drone Inspection Services
- Custom Services
- Holistic Drone Solution
- Drone Frame
- Universal Mounting Equipment

AI Services:

- AI Development Services
- Machine learning technology
- AI Modeling
- Natural Language Processing NLP
- Artificial intelligence
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(European Aviation Safety Agency)

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Brackets



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Flight Deck



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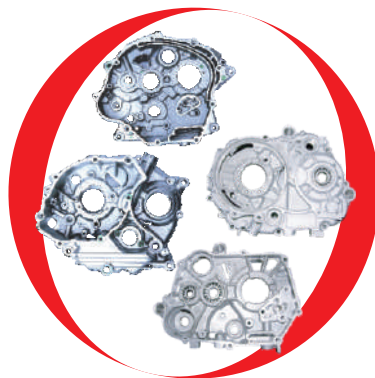
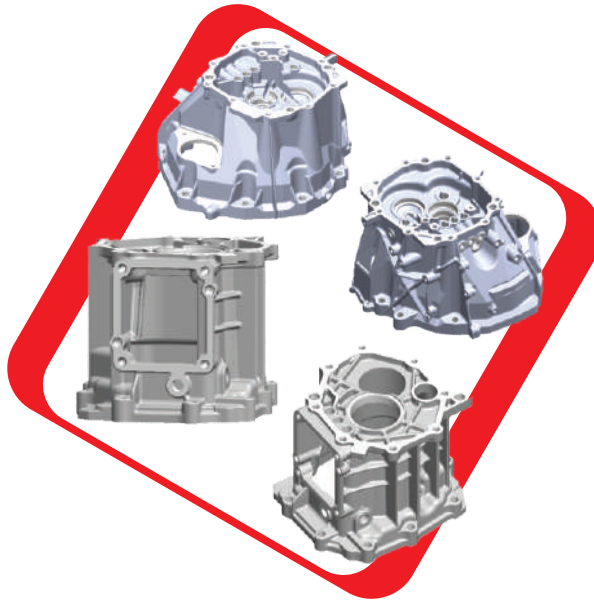
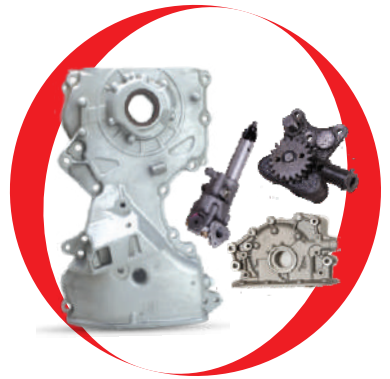
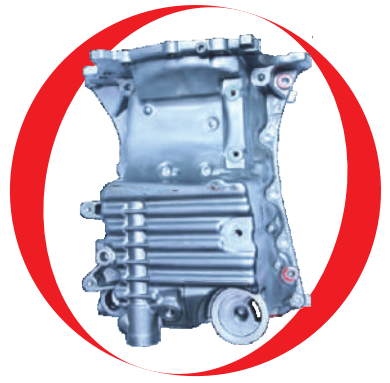
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Company Profile

RWR is an electronic systems developer, manufacturer, and engineering services provider. Established in 1988, we specialize in Embedded Systems, custom RF Modules/Systems, Digital Signal Processing, and Embedded Software Applications.

RWR is a vertically integrated company with all the necessary facilities to carry out most activities in-house. This allows complete control over all aspects of quality.

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- RF semirigid cable,PCB, and Dodule Fabrication Facility
- Machine Shop
- Bring Up & Production Labs
- Enviromental and ESS Test Chambers





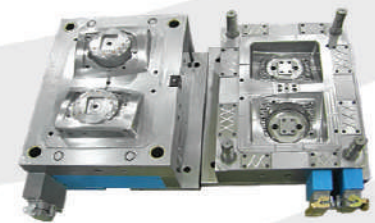
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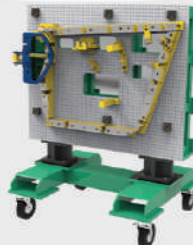
Stamping Dies



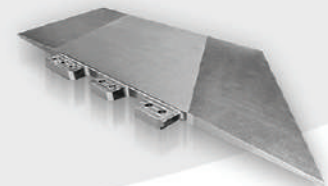
Moulds



Gantry Structure



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- Moulds (Plastics, Rubber & Composite)
- Engine Overhauling Tools
- Gantry Structure & Assembly Line Equipments
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About Solunox

SoluNox Pvt Ltd is a trademark-registered company got approval to start business in Mar 2017 by Security Exchange Commission of Pakistan (SECP). The same year it was registered at KCCI (Karachi Chambers of Commerce & Industry). Company started its business with multifaceted mandate to undertake Research & Development projects in dual technologies used in Aerospace and Maritime. SoluNox Pvt Ltd is the 1st company in Pakistan's private Sector to develop its maritime and aerospace design house.



Sajid Ali Khan Tareen
CEO



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Email:
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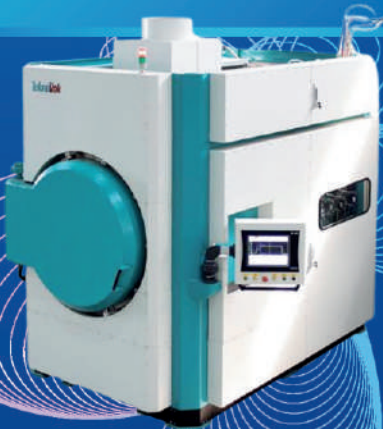


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About Teresol:

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Our Mission:

TeReSol aspires to become a leading research and development organization that supports the technological needs of its diverse clientele. The company seeks to collaborate with international players in emerging fields of technology, fostering knowledge-sharing and growth opportunities.

EMBEDDED SOLUTIONS



Hardware & Embedded Software Development:

Design, development, and integration of hardware (PCBs, FPGAs) and embedded software using industry best practices and standards like MISRA C and DO-178C.



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We implement real-time OS solutions (e.g., VxWorks) for deterministic system performance.



Low-Level Device Drivers:

Teresol develops low-level device drivers to ensure seamless interaction between hardware components and software.



AI & Machine Learning Integration:

We integrate ML algorithms into embedded systems for military-grade capabilities like object detection, tracking, and real-time decision-making on constrained hardware.

ENTERPRISE SOFTWARE SOLUTIONS



Enterprise User Service Platforms:

Teresol builds enterprise-grade user service platforms using open-source, cloud-native, and scalable service-oriented architectures.



Core Banking Modernization:

We modernize legacy core banking systems into advanced, cloud-native, open-source solutions with microservices and high-performance workload management.



Command & Control Systems:

Teresol develops and upgrade advanced Command and Control Systems for enhanced situational awareness and decision-making in military and paramilitary operations.



Standards Compliance:

We deliver software and systems fully compliant with military standards such as DO-178C, MIL-STD-704, and MIL-STD-810.

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Automotive Fleet
Management System

CERTIFICATIONS



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- Defense Solutions
- Fintech Solutions
- Information and Communication Technology (ICT)

EXPERTISE

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- AI Development
- Services System Integration

SKILLED HR

- 400+ employees
- 20+ PhDs
- 70% HR involved in R&D

KEY HIGHLIGHTS

- Over a decade of R&D experience
- 13 operational and active solutions with public and private customers

Contact Information

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Contact Number: +92 321 8570824

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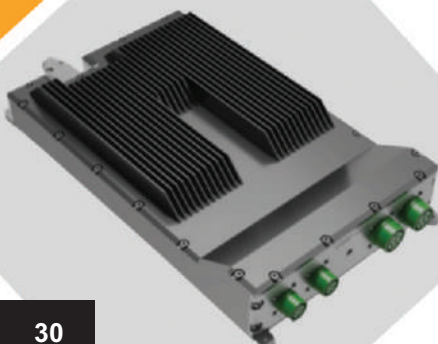
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