

FIRM's CAPABILITY FORM FOR INTERNATIONAL PROJECTION

Company & Administrative Information	Firm Name	M/s Teresol (Private) Limited
	Address	Building No. 15, Sheikh Zayed Bin Sultan Road (G.T. Road), Sector - H, DHA Phase II, Islamabad, Pakistan
	Owner / CEO	Dr. Muhammad Faisal Khan
	Contact Details	Email: info@teresol.com Phone: 051-5418081 / 051-8430644 Mobile:0323-8556891 Fax: 051-8430643
	Website	www.teresol.com
	Specialties	<p>(a) Customized Embedded System Development</p> <p>(b) Scalable Enterprise Software solutions for Defense industry including C⁴I Systems and Banking/Fintech industry</p> <p>(c) Single Board Computers for Real time mission & safety critical applications.</p> <p>(d) AI based Target Detection and Tracking System for Main Battle Tanks</p> <p>Design, Development and Manufacturing of Looms & Harnesses for Rugged Vehicles & Tanks</p> <p>(e) Multi-purpose data and video recorders & their integration with the respective airborne, marine or ground platforms / systems.</p> <p>(d) FPGA IP Core development including video compression and Avionics Cores.</p> <p>(e) High-speed object tracking through video cameras / computer vision</p> <p>(f)RF Design and Development Services</p> <p>(g) Web/desktop-based video management solutions</p> <p>(i) Artificial Intelligence and Machine Learning based software solutions</p> <p>(j) System Integration and Field Engineering Services</p>
	Products / Services	<ol style="list-style-type: none"> 1. Military Grade Multi-Channel Digital Video Recorder for fighter aircraft 2. Military Grade Mission Data Recorder (MDR) for fighter aircraft 3. Military Grade Display Computer for fighter aircraft 4. AI Enabled Auto Tracker for Main Battle tank 5. Interface Control Unit for a fighter aircraft 6. NXP QorIQ T1042-based Rugged 3U & 6U VME Single Board Computer 7. Military Grade Mission Management Computer for fighter aircraft 8. NVIDIA Tegra K1- based Rugged Graphics Processing Card

		<p>9. NVIDIA Xavier-based Rugged Graphics Processing Card</p> <p>10. Multifunction Audio Video Rugged Interface Card</p> <p>11. Military Grade Looms/Harness for military vehicles</p> <p>12. Military Grade AC/DC Power Supplies</p> <p>13. Command and Control - Integrated Management Platform</p> <p>14. Core Banking System Development for the 4th largest commercial bank in Pakistan</p> <p>15. Automotive Infotainment System</p> <p>16. Automotive Fleet Management System</p> <p>17. Access Control System (i-MPLOYEE)</p>
	<p>Specific Standards of QC / QA</p>	<p>TeReSol complies the applicable Military/Commercial development process standards (As per the client requirements), such as</p> <ul style="list-style-type: none"> • Mil-Std-461 for EMC/EMI compliance • Mil-Std-810 for Environmental compliance • Mil-Std 704 for power supplies ruggedness • DO-178 for development of mission critical software requiring enhanced safety • DO-254 for development of mission critical hardware requiring enhanced safety
	<p>National / International Certification available / offered</p>	<ul style="list-style-type: none"> • ISO 9001 (Quality Management) • ISO 27001 (Information Security Management) • Membership of Pakistan Aerospace Council (PAeC) • Membership Pakistan Software Export Board (PSEB) • Pakistan Software Houses Association for IT and ITES (P@SHA) r • Membership Islamabad Chamber of Commerce & Industry (ICCI)
	<p>Production Capacity</p>	<p>Have the physical and financial capacity to grow</p>
<p>Key Customers</p>	<ul style="list-style-type: none"> • Directorate General Munition Production • Directorate General Defence Purchase • Pakistan Aeronautical Complex (PAC) Kamra • Pakistan Air Force • Heavy Industries Taxila (HIT) • Government of Pakistan (Cabinet Division) • Shaheen AeroTraders • Bank AL Habib Limited • National Bank of Pakistan • AlBayrak Ltd. Turkey • FFBL • OGDC 	

Major Facilities	<ul style="list-style-type: none">• Embedded Systems Lab• Software Development Lab• RF Design Lab• Harness/Looms Production Facility• State-of-the-art Test and Measurement Equipment• QC / QA Facility• On-prem Data Center
Miscellaneous Information (e.g. Capability to produce variants etc.)	<p>Teresol is equipped to undertake large-scale development projects owing to a strength of 400+ technical resources with 20+ PhDs. (70% of HR dedicated to R&D)</p> <p>Our products undergo rigorous testing and qualified as per applicable international standards.</p> <p>We cover complete lifecycle for our products from design, development, deployment, maintenance, and after sales support.</p>