

FIRM'S CAPABILITY FORM INTERNATIONAL PROJECTION

Company & Administrative information	Firm Name	Center for Advance Research in Engineering (CARE)		
	Address	424, Service Road East, Sector 1-9/3, Industrial Area, Islamabad, Pakistan		
	Owner / CEO	Dr Shoab Ahmad Khan		
	Contact person	Air Cdre Muhammad Aamer (R)		
	Contact Details	Email:	aamer@carepvtltd.com	
		Phone:	+92518432273	
		Mobile:	+92 3218565903	
		Fax:	+92518314660	
Website	www.carepvtltd.com			
Business Profile	Specialties	Hardware Systems	Software Systems	
		Multi Layered PCB Design	Embedded systems	
		ASIC Design	Cyber Security	
		FPGA based Design	Blockchain	
		DSP based Design	Artificial Intelligence	
		Power Electronics	Internet of Things	
	Products / Services	<u>OPTIMAL</u> - Enterprise Resource Planning & Manufacturing Execution System enabling Digital Smart Factory of the Future		
		<u>DISPATCH</u> - LLM & RAG (AI) Powered Office Automation System		
		<u>Vent</u> - Supply Chain Management System		
		<u>Intellect Graphics</u> - Business Analysis & Data Analytics Platform		
		<u>Listen</u> - Network Monitoring System		
		<u>Dotal</u> - Localized AI Platform for Enterprise Applications		
		<u>Vcare AI</u> - AI Powered Hospital As A Platform		
		<u>Cedule</u> - Industrial IOTs based Industry 4.0 System		
		<u>Wisermachines</u> - IOT platform for industrial digital transformation		
<u>Ozone</u> - Digitized Airspace Management System				

		<u>Cognitive Router</u> – Communication Controller intergrating multiple physical mediums
		<u>Mil Spec Rugged Layer 2 Switch</u> - Switch fabric for integration in Datacenter
		<u>Radex</u> - Radar data Extractor & Track Fusion Algorithm
		Mobile Smart Command Post
		<u>Chameleon</u> – Secure Keyborad
		<u>SSAL</u> – Solid State Auto Loader for Main Battle Tanks + Test Benches & Spares
		DBPCM & Waveforms for software Defined Radio and 5G Technology enabled Waveforms for Tactical SDR
		Single-phase Solar Hybrid Inverter for Low-Income Households and Smart Battery Management System
		<u>iJournalist</u> - Targeted Data Retrieval Application
		<u>Trail</u> – Integrated Battlefield Managemnet System
		Wifi Monitoring Suite for Network Optimization
		Campus & Learning Management System
		<u>Central Bank Digital Currency</u> – Digital Payment Platform
	Quality Management & International Certifications	<u>ISO 9001:2015</u> – Quality Management System
		<u>ISO 27001:2022</u> – Information Security Management System
	Key Customers	Government of Pakistan
		Armed Forces & Law Enforcement Agencies
		Telecommunication Companies
		Banks & Financial Institutions
		Defence Equipment Manufacturing Facilities
	Major Facilities	Hardware Design Labs
		Software Design and Development Teams
		Solution Achiect Teams
	Miscellaneous Information/ Remarks	CARE is committed to leverage its 20+ years of experience, capabilities and intellectual property to contribute in

		<p>Pakistan's journey towards self-reliance in Mission Critical Technologies. It may be highlighted that the systems are indigenously developed and CARE has full control on its design, therefore, these can be customized as per the clients requirement</p>
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