

COMPANY PROFILE V3.8

# ABOUT US

## **Phoneomena Qatar – A Legacy of Innovation Since 2003**

Founded in 2003, Phoneomena Qatar began as the regional arm of Phoneomena Inc. (Florida, USA), with a mission to bring advanced mobile middleware, enterprise solutions, and consumer applications to the Gulf region. Under the leadership of Eng. Yehia Elsaid Ahmed, the company quickly expanded its focus beyond mobile systems into mechatronics, electronics, robotics, and advanced engineering services, positioning itself as a vital contributor to Qatar's growing technological landscape.

Over the years, Phoneomena Qatar has supported the Qatari community in multiple technical fields, combining research, industry expertise, and innovation. Through partnerships with universities, industry stakeholders, and research institutions, it became a bridge between academic knowledge and practical implementation, helping to nurture local talent and provide advanced solutions tailored to the nation's needs.

## **Milestones and Achievements**

- 2003–2006: Establishment and introduction of enterprise mobilization tools in Qatar, extending Phone Omena's global expertise into the Gulf.
- 2006–2012: Diversification into educational and research collaborations with Qatar University, supporting engineering labs, student projects, and applied research.
- 2012–2016: Expansion into mechatronics and robotics, enabling new fields such as drone development, ROV (remotely operated vehicle) design, and intelligent mechanical systems.
- 2017–2020: Growth in electronics manufacturing, IoT solutions, and AI-driven projects, contributing to Qatar's vision for smart systems and sustainable technology.
- 2020–Present: Focus on community impact projects, from advanced server systems and software development to applied innovations in healthcare, automation, and smart living.

## **Community Impact and Potential**

Phoneomena Qatar has been more than just a company; it has been a technical partner to the community. Its projects have:

- Empowered students and researchers through hands-on exposure to real-world engineering challenges.
- Supported industry and education by bridging gaps between theory and practice in electronics, robotics, and mechatronics.
- Advanced Qatar's innovation ecosystem by contributing expertise in AI, IoT, and automation.
- Provided custom technical solutions to businesses and institutions in need of specialized engineering and technology integration.

Today, Phoneomena Qatar continues to thrive as a multidisciplinary hub, combining creativity, technical excellence, and community engagement. It remains committed to supporting Qatar's National Vision 2030, fostering a culture of innovation, and leaving a lasting impact on the nation's technological future.

# SCOPE OF WORK (1/2)

Phone Omena's scope of work covers the full cycle of research, development, and deployment of innovative solutions in new products, emerging technologies, robotics, and mechatronics systems. Our work is defined by an integrated approach that bridges mechanical engineering, electronics, software development, and intelligent automation.

## 1. Research & Concept Development

- Conduct market and technology research to identify gaps and opportunities.
- Develop initial concepts for **new products or robotic systems** aligned with client requirements.
- Evaluate feasibility through simulations, prototyping, and benchmarking existing technologies.
- Apply **IoT, AI, and automation trends** to create forward-looking solutions.

## 2. Mechanical & Mechatronics Engineering

- Design and develop **mechanical structures, actuators, and motion systems** for robotics and automation projects.
- Integrate **sensors, actuators, and embedded systems** to achieve real-time control and precision.
- Fabricate prototypes using **CNC machining, laser cutting, 3D printing, and workshop assembly**.
- Ensure designs meet international standards in **safety, durability, and energy efficiency**.

## 3. Electronics & Embedded Systems

- Develop and program embedded systems using **Arduino, ESP32, Raspberry Pi, and STM32** platforms.
- Design custom **control boards, PCB layouts, and electronic interfaces** for robotics and IoT devices.
- Integrate **wireless communication modules** (Wi-Fi, Bluetooth, LoRa, Zigbee, RS485, CAN bus).
- Implement **power management solutions** for mobile, autonomous, and remote-controlled systems.

## 4. Software Development & Control Systems

- Build intelligent control algorithms for robotics, automation, and mechatronics.
- Develop desktop, mobile, and web-based interfaces for system monitoring and global control.
- Implement AI/ML models for decision-making, vision systems, and predictive analytics.
- Integrate Cloud and serverless technologies for real-time IoT solutions and data management.

What should be the focus of our research and concept development?



# SCOPE OF WORK [2/2]

## 5. Robotics Development

- Design and develop **autonomous and semi-autonomous robots** for industrial, educational, and service applications.
- Implement **machine vision, navigation, and mapping (SLAM) systems**.
- Develop **manipulators, robotic arms, and mobile platforms** with precise control.
- Integrate robotics with **AI-based perception, safety systems, and human-robot collaboration**.

## 6. Testing, Validation & Deployment

- Conduct **prototype testing, calibration, and optimization**.
- Perform **stress analysis, endurance testing, and field trials**.
- Validate performance under real-world conditions.
- Provide full documentation, user manuals, and **technology transfer training**.

## 7. Outsourcing & Collaboration

- Collaborate with **specialized engineers and global experts** in areas like AI, electronics, industrial design, and advanced manufacturing.
- Build partnerships with research institutions, startups, and industry leaders to deliver cutting-edge projects.

## 8. Applications & Industries

Phone Omena's scope of work applies across multiple domains, including:

- Industrial automation & robotics
- IoT-enabled smart systems
- Digital signage and interactive systems
- Medical technology and wearable devices
- Defense, surveillance, and security robotics
- Educational technology and STEM robotics kits
- Energy management and sustainability solutions

## Validating and Deploying Technology



## HISTORY : 2001 -2007

### Dr. Sumi (Abdelsalam) Helal

**Phoneomena Inc.** is a privately held company founded in 2001 by **Dr. Sumi (Abdelsalam) Helal**, a professor, researcher, and entrepreneur. Headquartered in Gainesville, Florida, with international offices in the Arab Gulf region (including **Phoneomena Qatar**) and planned offices in Europe, the company is a world leader in cost-effective enterprise mobilization products.

Phoneomena specializes in mobile middleware, enterprise development tools, and consumer applications, serving a global customer base in sectors such as healthcare and field force automation. Its consumer apps—like city guide search—offer seamless updates without requiring reinstallation. Beyond products, the company provides **platform power and performance benchmarking services**, ensuring optimized quality of service for both its solutions and its clients' systems.

Dr. Helal, who also founded or co-founded several other ventures including Rokoit USA, Pervasa Inc., Gator Tech Smart House, and Spaceify Oy, has played a pioneering role in advancing mobile and digital health technologies worldwide.



**Phoneomena Inc.**

Founded Phoneomena Inc., Gainesville, FL. A mobile middleware and application software firm, 2001–2007



# PHONEOMENA LEGACY ACHIEVEMENTS



من قطر إلى العرب ومن العرب إلى العالم

**الصفحة الرئيسية: اقتصاد**

آخر تحديث: الأربعاء 31/12/2003 م، الساعة 11:28 مساءً بالتوقيت المحلي لمدينة الدوحة

**خدمة جديدة للمستثمرين من خلال الهواتف المحمولة**

إدارة السوق وقعت اتفاقاً مع شركة فون أومينا

كتب - محمود عبد الحليم:

وقعت سوق الدوحة للأوراق المالية وشركة «فون أومينا» الأميركية اتفاقاً صباح أمس تقوم الشركة بموجبه بتقديم خدمة معلوماتية جديدة للمستثمرين من خلال استخدام هواتفهم المحمولة، وقد وقع الاتفاقية عن جانب السوق د. غانم الحمادي المدير العام، بينما وقعها عن جانب الشركة مديرها التنفيذي د. عبد السلام هلال.

وقال د. غانم الحمادي في تصريحات صحفية عقب توقيع الاتفاق ان الخدمة الجديدة ستتمكن المستثمرين من الحصول على باقة من المعلومات الهامة الفورية من بينها البث الحي لأسعار الأسهم، وتغيرات المؤشر وأسماء الشركات الأكثر ارتفاعاً، والشركات الأكثر هبوطاً، بالإضافة الى الاطلاع على كشف بالأسهم التي يمتلكونها وبيانات الاسهم التي يباعوها واشتروها في السوق.

واضاف د. الحمادي ان ادخال شيفرة الخدمة في الهاتف المحمول للمستثمر سيكون لقاء رسم رمزي في حدود «12.5 ريال» اثني عشر ريالاً وخمسين درهماً، او نحو 150 ريالاً سنوياً، مشيراً الى ان اتصالات قطر ستقوم بدور ناقل الخدمة للمستثمر لقاء مبلغ رمزي.

ومن جانبه اوضح الدكتور عبد السلام هلال، المدير التنفيذي لشركة «فون أومينا» ان الخدمة ستكون الاولى من نوعها في منطقة الشرق الأوسط، وستقدم للمستثمرين الفطريين من خلال GPRS (GENERAL POCKET RADIO SYSTEM) وهو نظام يتم من خلاله إرسال واستقبال البيانات بحجوم كبيرة تقدر بالميجابايت.

**AL-RAYAH**

يومية سياسية تصدر عن شركة الفايح للنشر والطباعة

- نونة قطر
- مجلات
- عربي ودولي
- الاخير و بالقراما
- سياسة
- اقتصاد
- رياضة
- مقالات
- ثقافة وفنون
- مجتمع
- واحة الربية
- منوعات
- صفحات أسبوعية
- لافتات سابقة
- مجلة هي وهو
- الدليل الإلكتروني
- تليفونات هامة
- مواقع أخرى
- سوق السيارات
- خدمات الربية

Phoneomena is the leading mobile software company in education with applications targeted to college students as well as university staff and administration. About 70% of college students own mobile phones. For those students, Phoneomena is pioneering the concept of the **Campus Application Bundle (PhoneCAB™)**, which is a collection of convenience applications designed especially for the college lifestyle. The campus bundle integrates a campus bus monitor, parking lot advisor, three-button meal ordering application (Push-to-Eat™) and mobile access to student information systems (to look up grades, schedules, pay tuition and order transcripts). PhoneCAB™ also includes a campus map navigator (MAPit™) and a peer-to-peer student identity exchange (NiceMeetingU™). The bundle also includes content-oriented applications such as a multi-language dictionary (PhoneDict™).



## The PhoneCAB™ Partners Program

If you are a J2ME developer or a content provider looking for a wider exposure to your application, PhoneCAB™ can help you achieve your goal. Through the PhoneCAB™ Partners Program, your application will be evaluated and if approved, will be bundled into the PhoneCAB™ service. We are looking for partners who can add value to the PhoneCAB™ bundle in return for reaching the PhoneCAB™ customers. Email your application or service proposal to [phonecab@phoneomena.com](mailto:phonecab@phoneomena.com).

# PHONEOMENA LEGACY ACHIEVEMENTS

UbiMed™ is a smart phone based medical assistant middleware designed for use in hospitals and clinics. It enables physicians, residents, nurses, and medical service providers (e.g., pharmacy, labs, X-Ray, etc.) to communicate and collaborate over real time, paperless, location-independent work flows that center around patients and their health care needs.

## Sample ROI realized by UbiMed™

- Accurate and optimized charge capture
- Optimized hospital discharge through real time approval process
- Faster dictation leading to faster billing cycle
- Smart Investment
  - Short learning curve
  - Rapid development life cycle
  - Technology proof
  - Support for dynamic changes.



Doctors can use UbiMed to view appointments and drill down information about the patients including family history, current medications, lab and X-Ray results and previous transcriptions.



Anytime, Anywhere access to all your contacts in Outlook™ or the Web.

Unlock your contacts: IDEX™ works on both Java® and BREW® handsets over any carrier network.

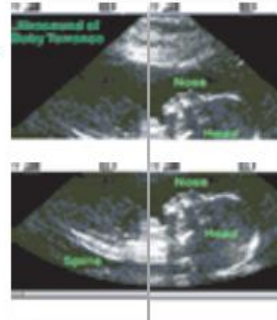
[www.myidex.com](http://www.myidex.com)

Any time, anywhere, all contacts! IDEX™ is a cross-carrier business card exchange and management service. It is the first "Address Book" in the industry with Peer to Peer card exchange without Bluetooth® or Infrared. With the press of a button, it allows co-located subscribers to instantly exchange their digital ID cards over the air. It also allows subscribers to access their Outlook™ contacts on their Java handsets regardless of whether their PCs are accessible or whether they are turned on or off. An alternative web interface is also provided to facilitate service registration and web-based contacts management. Contacts information are automatically synced by IDEX™ giving the subscriber a consistent and up-to-date view of the data on the phone, the web or the desktop PC.

## UbiMed™ applications

- Patient Lists
- Order Forms
- Charge Capture
- Document Viewing
- Scan Image Viewing
- Emergency Calls
- Approval Requests
- Appointments
- Secure Messaging
- Dictation
- ... and much more.

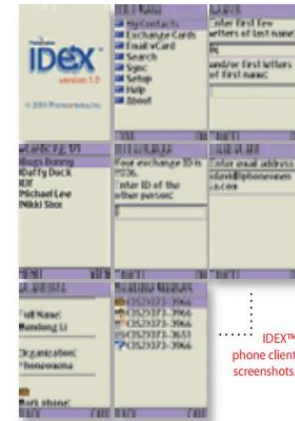
Built-in image viewer allows doctors to navigate quickly and easily through a large medical image, with zoom in/out capabilities.



Built-in document viewer allows doctors to navigate quickly and easily through large text documents on the phone. Rich option settings allow users to save personal preferences.



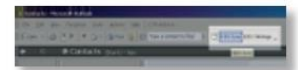
Browsing a Siemens® LCR document on a mobile phone.



IDEX™ phone client screenshots.



IDEX™ web client



IDEX™ Outlook™ plug-in



# PATENTS



- **Mobile Apps as Things in the Internet of Things** – US Provisional Patent App. No. 62/847,968, Filed May 15, 2019
- **Modular Platform Enabling Heterogeneous Devices, Sensors and Actuators to Integrate Automatically into Heterogeneous Network** – US Patent No. 8,631,063, Issued Jan 14, 2014
- **System, Apparatus, and Methods for Proactive Allocation of Wireless Communication Resources** – US Patent No. 8,213,417, Issued July 3, 2012
- **System, Apparatus and Methods for Proactive Allocation of Wireless Communication Resources** – US Patent No. 7,697,508, Issued Apr 13, 2010
- **Daily Task and Memory Assistance Using a Mobile Device** – US Patent No. 7,397,346, Issued July 8, 2008
- **Multimedia Controller** – US Patent No. 7,339,493, Issued Mar 4, 2008
- **Rapid Mobility Network Emulator Method and System** – US Patent No. 7,231,330, Issued June 12, 2007
- **Portable Device Medical Assistant** – US Patent No. 7,155,202, Issued Dec 26, 2006
- **Remote Surveillance and Assisted Care Using a Mobile Communication Device** – US Patent No. 7,098,788, Issued Aug 29, 2006





# HISTORY : 2003 - NOW

## Yehia Elsaid Ahmed

### General Manager – Phoneomena Qatar

Since 2003, Eng. Yehia Elsaid Ahmed has been the driving force behind Phoneomena Qatar, expanding its scope beyond software and mobile middleware into a full spectrum of mechatronics, electronics, and advanced engineering projects. Under his leadership, Phoneomena Qatar became a hub for innovation even as Phoneomena Florida transitioned into a legacy company.

With a career that spans over five decades in mechanical engineering, mechatronics, and education, Eng. Yehia has successfully merged academic depth with industrial expertise. His contributions at Qatar University as a research assistant and lab specialist, combined with his technical background in the Egyptian Air Force and Arab International Optronics, laid the foundation for Phoneomena Qatar's multidisciplinary approach.

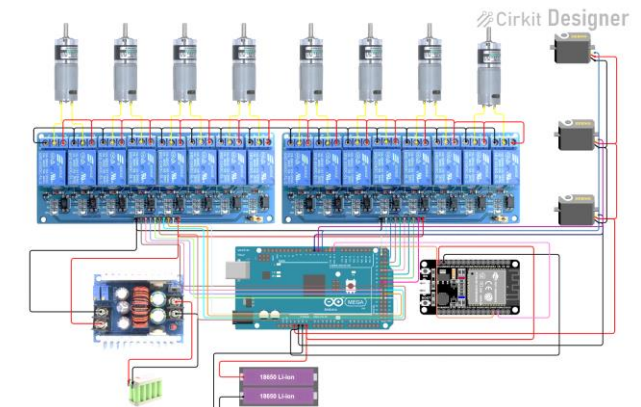
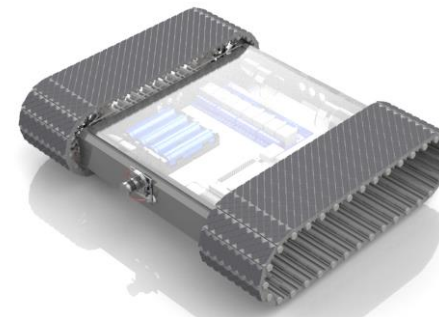
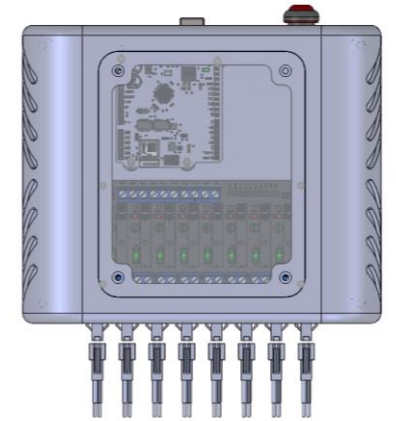
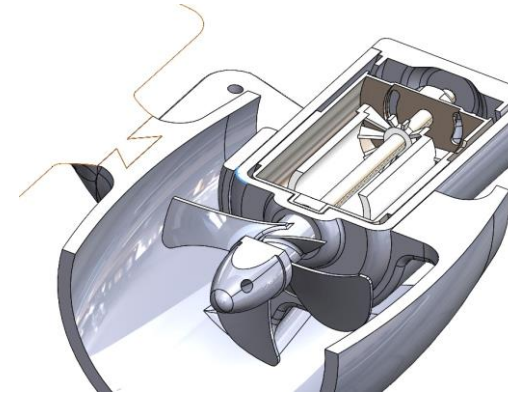
Through his vision, Phoneomena Qatar today delivers impactful solutions across multiple domains:

- Software Development & AI
- Electronics Manufacturing & IoT
- Educational & Scientific Projects
- Mechanical & Mechatronics Engineering
- Robotics
- UGV , UAV , ROV Drones Design
- Advanced Server and Computing Systems



# TECHNICAL CAPABILITIES - SERVICES

- **Mechanical Design (CAD)** – Advanced computer-aided design for precision mechanical systems.
- **Mechatronics Engineering** – Integrated solutions combining mechanics, electronics, and control systems.
- **Industrial Solutions** – Tailored automation, optimization, and production support for diverse industries.
- **Marine & Offshore Solutions** – Innovative systems for marine applications and offshore operations.
- **Underwater Technologies** – Design and deployment of ROVs, sensors, and subsea engineering solutions.
- **Search & Rescue Technologies** – Development of smart robotic and unmanned systems for emergency response.
- **Drone Design & Testing (UAV, UGV, ROV)** – Custom design, prototyping, and performance validation.
- **Research & Development (R&D)** – Applied research and innovative prototypes across multiple domains.
- **Electrical & Electronics Engineering** – Circuit design, PCB prototyping, IoT, and embedded systems.
- **Maintenance & Support** – Preventive, corrective, and advanced technical maintenance services.
- **Reverse Engineering & Black-Box Hacking** – Hardware/software deconstruction for analysis and innovation.
- **Penetration Testing (Cyber-Physical Systems)** – Security testing of software, hardware, and IoT devices.
- **Engineering Research & Consultancy** – Academic and industrial research, feasibility studies, and technical consulting



# ORGANIZATIONAL TEAM STRUCTURE

## Technical Management Team

Our technical management team provides the vision, strategy, and coordination that drive all projects. With decades of combined experience, they ensure seamless integration between research, design, software, and fabrication, maintaining the highest standards of quality and innovation.

## Mechanical Design Team

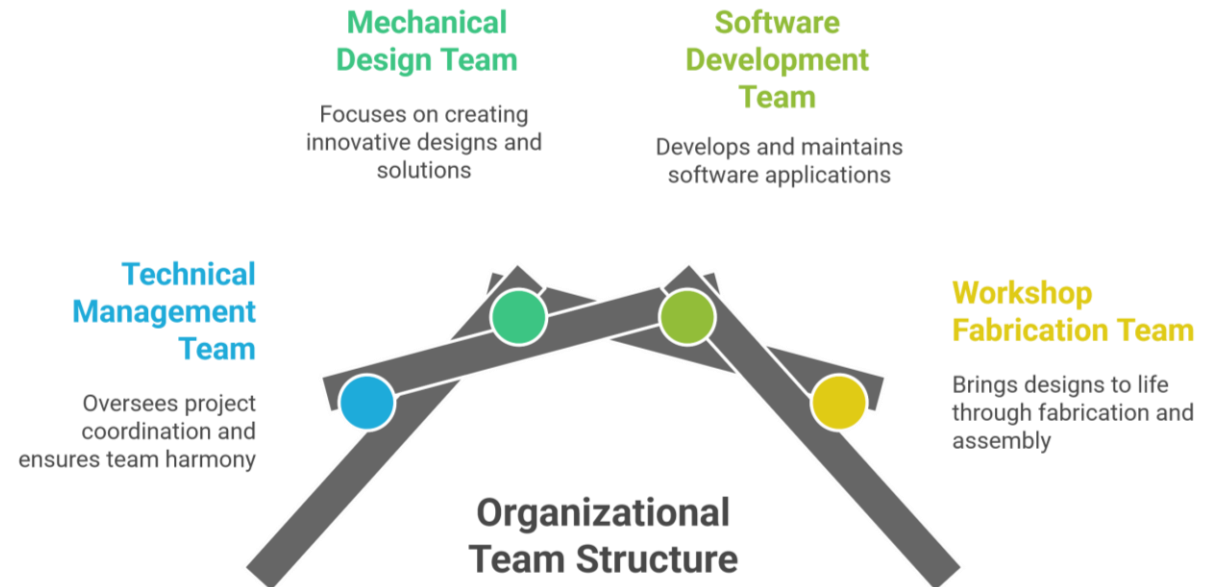
The mechanical design team specializes in CAD modeling, prototyping, and mechatronics integration, bringing concepts to life with precision and creativity. Working closely with other teams, they translate ideas into functional and efficient engineering solutions.

## Software Development Team

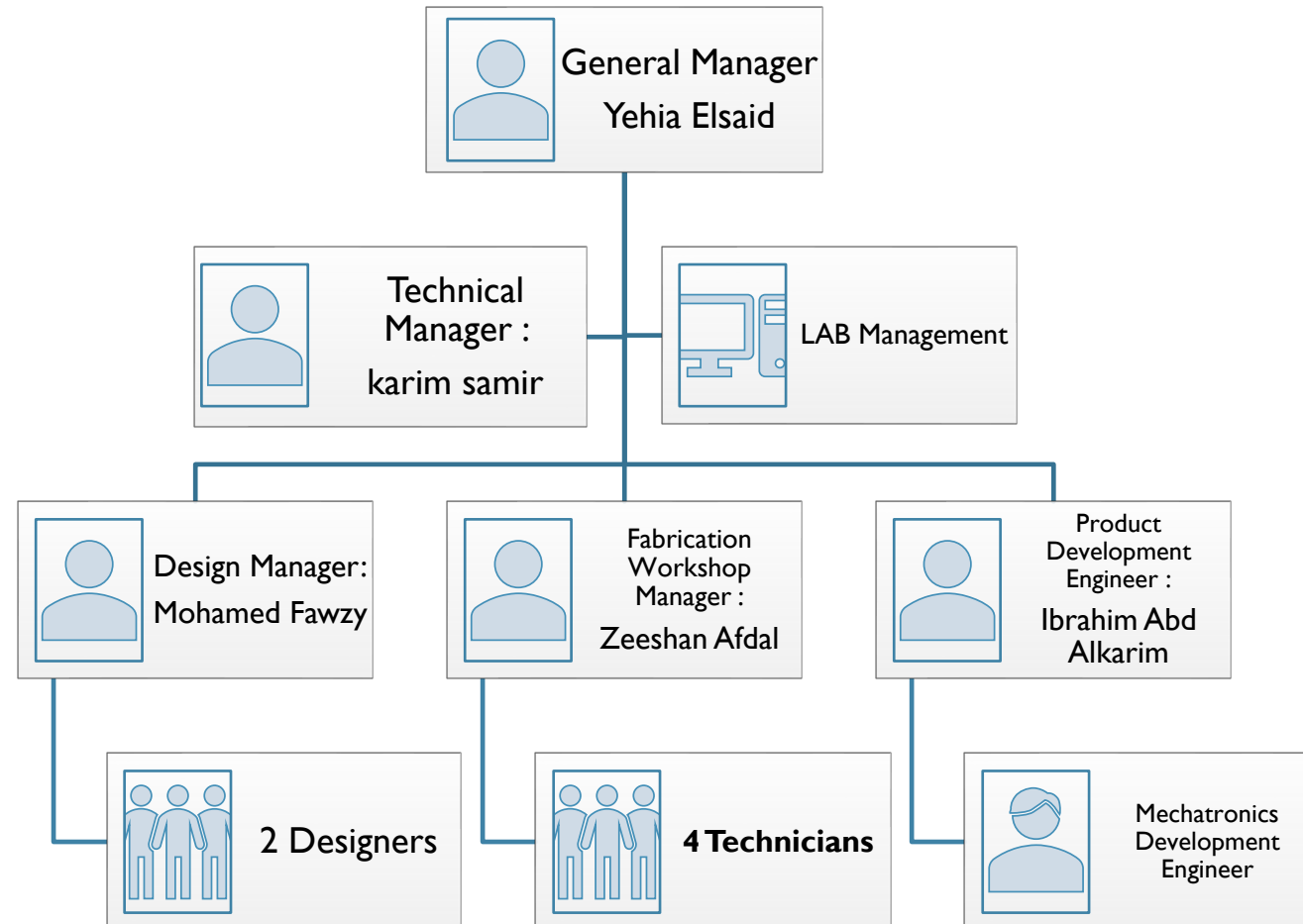
Based in Qatar, the software development team focuses on AI, IoT, automation systems, and advanced applications. Their expertise enables intelligent control, real-time data processing, and seamless user interaction across our projects.

## Workshop Fabrication Team

Located in Qatar, our workshop fabrication team transforms digital designs into reality. Equipped with modern machining, electronics assembly, and prototyping tools, they deliver robust hardware solutions, from robotics platforms to industrial prototypes.



# ORGANIZATION CHART





# NEW PRODUCTS : RASPBERRY PI BASED DIGITAL SIGNAGE SYSTEMS WITH IO

We have developed a new generation of Raspberry Pi-powered digital signage systems, designed to go far beyond traditional display solutions. Unlike standard signage, our systems feature built-in input/output (I/O) capabilities, making them interactive, intelligent, and adaptable to a wide range of applications.

## Key Features:

- Cost-Effective & Scalable, Powered by Raspberry Pi, ensuring low cost with high flexibility.
- I/O Integration, Connects with sensors, buttons, actuators, and external devices for interactive displays.
- Remote Content Management , Update signage in real time from anywhere via secure cloud or local servers.
- Modular Design, Can be customized for educational, commercial, or industrial applications.
- Energy Efficient, Optimized power consumption for continuous operation.

## Applications:

- Retail & Commercial Spaces, Smart, interactive advertising and information boards.
- Educational Institutions, Dynamic learning displays connected to lab sensors or classroom devices.
- Industrial & Technical Environments, Real-time dashboards integrated with machines, IoT devices, and monitoring systems.
- Public Services, Smart kiosks and interactive guidance systems.

This product embodies our multidisciplinary expertise combining software, electronics, and hardware integration and reflects our commitment to providing practical, high-impact solutions for the Qatari community and beyond.



First customers



ACS  
INTERNATIONAL  
SCHOOL  
DOHA

# NEW PRODUCTS : IOT USING SERVERLESS TECHNOLOGY BY CLOUDFLARE

At Phoneomena Qatar, we embrace the next generation of IoT architecture by integrating serverless technology powered by Cloudflare. This approach eliminates the traditional need for centralized servers, enabling faster, more secure, and more scalable IoT solutions.

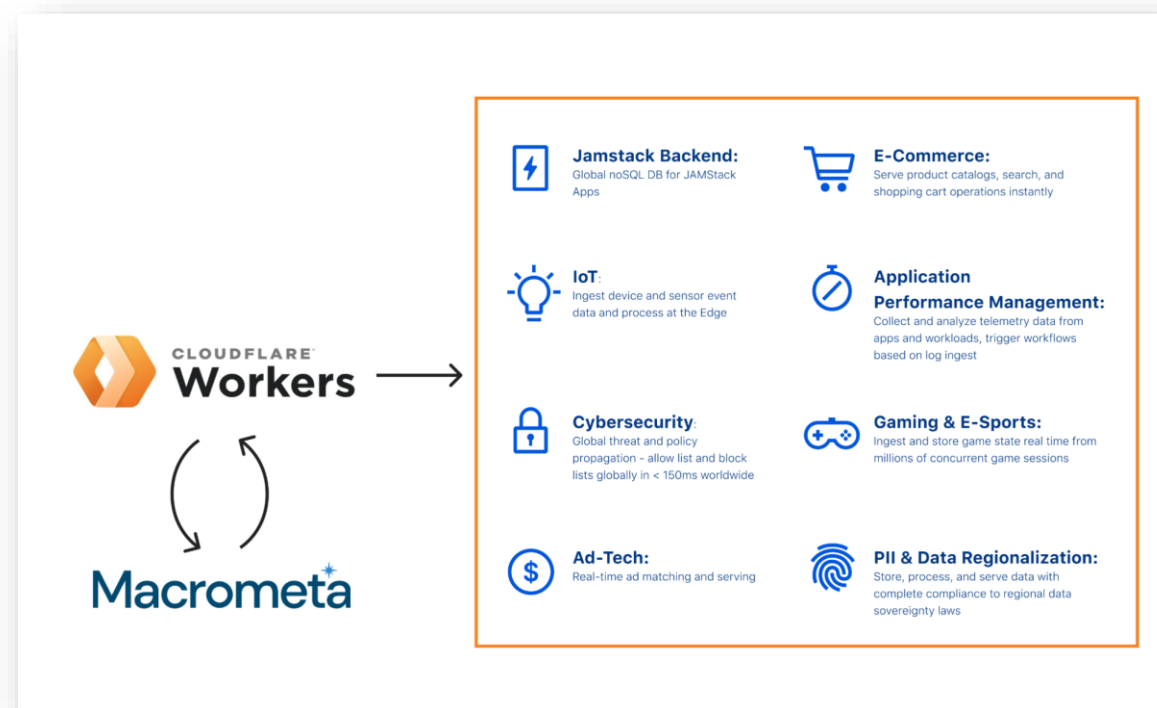
## Why Serverless for IoT?

- Low Latency – Cloudflare’s globally distributed edge network ensures that IoT devices process and respond to data in near real-time, no matter where they are located.
- Scalability on Demand – Serverless functions automatically scale to handle thousands of devices without complex infrastructure management.
- Security Built-In – Cloudflare provides enterprise-grade security, protecting IoT devices and networks from DDoS attacks, data breaches, and unauthorized access.
- Cost-Efficiency – Pay-as-you-go computing reduces operational costs, especially in projects with fluctuating workloads.
- Simplified Management – Developers focus on application logic, while Cloudflare handles provisioning, scaling, and maintenance.

## Applications in Our Projects

- Smart Cities – Real-time monitoring of utilities, traffic, and public infrastructure at the network edge.
- Industrial IoT – Secure and low-latency control of sensors, machines, and robotics.
- Healthcare & Safety – Remote monitoring systems with instant data processing for critical applications.
- Education & Research – Interactive IoT platforms for learning environments with scalable backends.

By leveraging Cloudflare Workers, KV, and Durable Objects, our IoT solutions deliver unmatched speed, reliability, and global reach, helping Qatar and the wider region adopt truly future-ready technologies.



First customer



ACS  
INTERNATIONAL  
SCHOOL  
DOHA

# NEW PRODUCTS : GLOBAL CONTROL FOR ROBOTICS FOR RASPBERRY PI – COMPUTER BASED ROBOTS

At **Phoneomena Qatar**, we proudly introduce our innovative product: **Global Control for Robotics**, designed for **Raspberry Pi and computer-based robots**. This system enables users to **monitor, manage, and operate robots from anywhere in the world** with seamless connectivity, precision, and reliability.

## Key Features

- **Worldwide Remote Access** – Control robots in real-time across any distance using secure internet-based connections.
- **Cross-Platform Compatibility** – Works with Raspberry Pi, industrial PCs, and computer-driven robotic systems.
- **Low-Latency Operation** – Optimized networking ensures smooth commands and feedback, essential for mission-critical applications.
- **Modular Architecture** – Scales from small educational robots to advanced industrial and research platforms.
- **Secure Communication** – Encrypted protocols protect against unauthorized access or cyber threats.
- **Cloud & Edge Integration** – Supports serverless technologies, enabling edge computing for real-time robotic decision-making.

## Applications

- **Research & Education** – Enables universities and schools to run robotic experiments globally without location barriers.
  - **Industrial Automation** – Provides centralized control of distributed robotic systems for factories and warehouses.
  - **Security & Surveillance** – Powers robots that can be monitored and directed remotely for patrolling and inspection.
  - **UGV, UAV & ROV Platforms** – Extends global command to ground, aerial, and underwater robots.
- This product represents a **leap forward in robotics connectivity**, empowering Qatar and the wider world with **globally managed, intelligent robotic systems** that bridge physical and digital boundaries.



First customer



## NEW SERVICES :AI APPLICATION OVER CCTV CAMERAS – COLLAB WITH DEVISION X, UK

**AI-Powered CCTV Cloud System**, designed to bring intelligent monitoring, real-time analytics, and global accessibility to security and surveillance networks. This cutting-edge system leverages cloud technologies and AI algorithms to transform conventional CCTV setups into proactive, smart monitoring platforms.

### Key Features

- Global Remote Monitoring** – Access live video feeds from any location, on any device, ensuring full situational awareness anytime, anywhere.
- AI-Driven Analytics** – Advanced AI models detect motion, recognize faces, identify objects, and alert operators to unusual events automatically.
- Low-Latency Streaming** – Optimized cloud pipelines provide smooth, real-time video and analytics for mission-critical security applications.
- Scalable Architecture** – Easily expands from small office setups to large-scale city surveillance systems.
- Secure & Encrypted Communication** – End-to-end encryption protects video streams and data against unauthorized access.
- Cloud & Edge Integration** – Combines cloud processing with edge AI to enable real-time decision-making while reducing bandwidth load.

### Applications

- Smart Security & Surveillance** – Enhances safety for corporate, industrial, and public spaces with proactive alerting.
- Traffic & Public Safety Monitoring** – AI-assisted detection of accidents, congestion, and unusual behavior in urban environments.
- Retail & Commercial Analytics** – Tracks customer movement, footfall, and in-store behaviors to optimize operations.
- Remote Monitoring for Sensitive Sites** – Ensures continuous surveillance of critical infrastructure, even in hard-to-reach areas.

This AI-powered CCTV cloud solution marks a major leap in intelligent surveillance, enabling **Phoneomena Qatar** to offer smart, scalable, and globally accessible security systems that combine the power of AI with cloud efficiency.



Service provided by





## NEW SERVICES : ENGINEERING RESEARCH, PROTOTYPE AND X MODEL SUPPORT

At **Phoneomena Qatar**, we offer comprehensive **engineering research and prototyping services**, supporting the entire lifecycle of innovative product development. From initial concept to functional prototypes and experimental “X” models, our team ensures that every idea is rigorously tested, optimized, and validated before production.

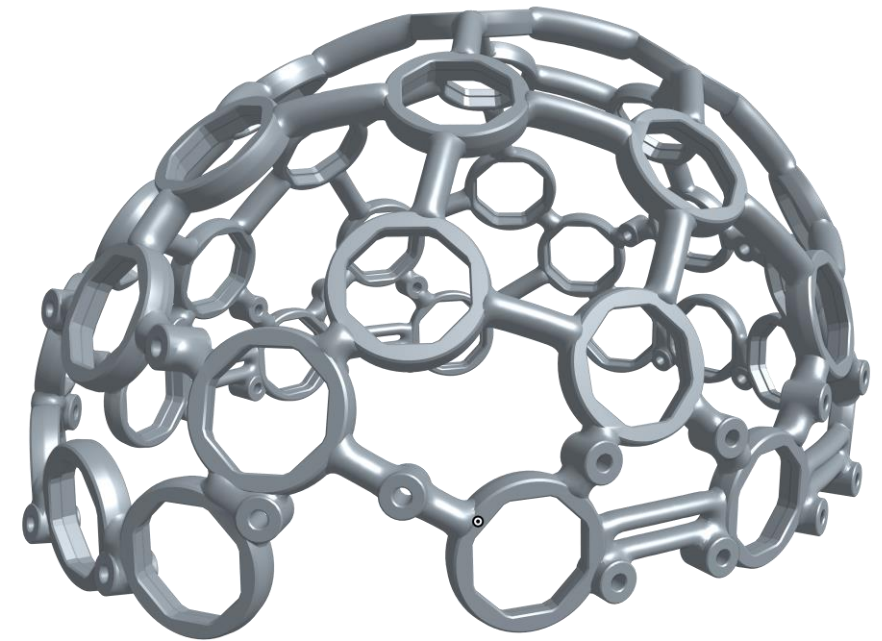
### Key Services

- **Product Design & Testing** – We develop and test new products, evaluating functionality, performance, and reliability under real-world conditions.
- **Prototype Development** – Rapid creation of prototypes to explore design concepts and validate engineering solutions.
- **Experimental X-Model Support** – Support for experimental and pilot models to test new manufacturing methods and innovative materials.
- **New Manufacturing Methods Testing** – Assess alternative production techniques for efficiency, cost-effectiveness, and quality improvement.
- **Technical Consulting** – Provide expert guidance on design improvements, material selection, and production strategies.

### Applications

- **R&D & Innovation Projects** – Accelerates research initiatives and transforms concepts into working prototypes.
- **Industrial & Commercial Product Development** – Reduces risk and cost by validating designs before mass production.
- **Advanced Manufacturing Techniques** – Supports exploration of cutting-edge fabrication and assembly methods.

With these services, **Phoneomena Qatar** empowers engineers, inventors, and businesses to **test, refine, and perfect new products and manufacturing approaches**, bridging the gap between concept and industrial reality.



First customer



## NEW SERVICES : REPLICA OF OPEN-SOURCE PROJECTS OR TECHNOLOGY

At **Phoneomena Qatar**, we provide expert services to **replicate and adapt open-source projects and technologies**, enabling rapid prototyping, learning, and deployment of proven solutions. Our team specializes in translating publicly available innovations into practical, fully functional systems tailored to your specific needs.

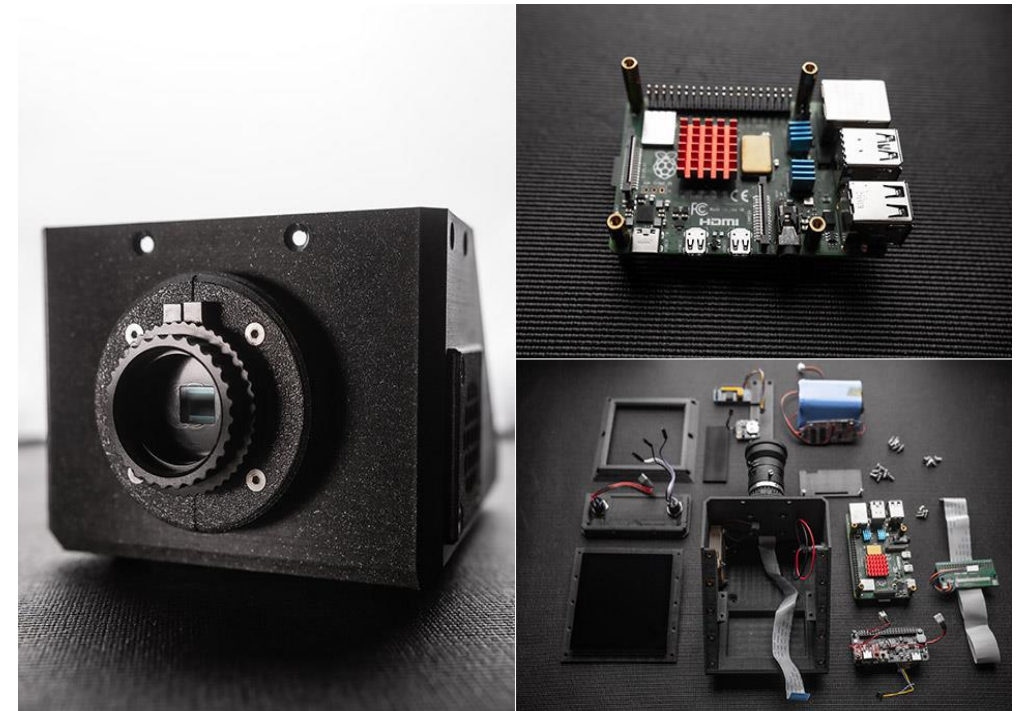
### Key Services

- **Open-Source Project Replication** – Reproduce and implement open-source hardware, software, or IoT projects with precision.
- **Technology Adaptation** – Customize and enhance open-source designs to meet unique operational or commercial requirements.
- **Testing & Validation** – Ensure replicated systems meet performance, reliability, and safety standards.
- **Prototype Development** – Build functional models from open-source concepts for demonstration, experimentation, or production readiness.

### Applications

- **Educational & Research Initiatives** – Accelerates learning and experimentation with proven technologies.
- **Product Development** – Reduces development time by leveraging open-source designs as a foundation.
- **Industrial & Commercial Solutions** – Adapts open-source systems for automation, monitoring, or smart applications.

With this service, **Phoneomena Qatar** empowers innovators and organizations to **harness the potential of open-source technology**, transforming accessible ideas into reliable, deployable solutions.



## PROVIDING SCIENTIFIC INSTRUMENTS FOR SCHOOLS, LABS, ELECTRONIC SHOPS

At **Phoneomena Qatar**, in collaboration with **SmartQat Qatar**, we supply high-quality **scientific instruments and equipment** to schools, laboratories, and electronics shops. Our offerings support education, research, and innovation by providing reliable tools for learning, experimentation, and technical projects.

### Key Services

- Educational Equipment** – Lab instruments and kits designed for school science programs and STEM education.
- Laboratory Instruments** – Precision tools for research labs, technical institutes, and experimental setups.
- Electronics Components & Tools** – Devices and instruments for electronics shops, makerspaces, and hobbyists.
- Collaborative Support** – Partnership with SmartQat Qatar ensures access to a wide range of instruments and technical expertise.

### Applications

- STEM Education** – Equips schools with tools for hands-on science, robotics, and engineering learning.
- Research & Development** – Supports labs with the instruments needed for experiments and innovation.
- Commercial & Hobbyist Electronics** – Supplies shops and makerspaces with components and equipment for electronic projects.

Through this initiative, **Phoneomena Qatar** enables students, researchers, and innovators to **access the scientific instruments they need** to explore, experiment, and excel.



Service provided by



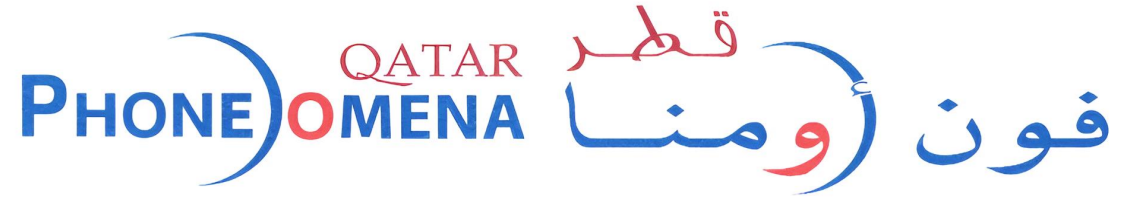
# OUR CUSTOMERS - COLLABS





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