



Ministry of Communications
and Information Technology



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Company description:

Atoms is a leading chip validation company based in Egypt, home to the most advanced microelectronics lab in the MENA region. With decades of combined expertise, we deliver world-class validation services to international semiconductor companies. Our highly skilled team utilizes state-of-the-art AI automation, significantly reducing validation time and enabling faster time-to-market while enhancing product quality.

Services:

Atoms offers a comprehensive suite of chip validation services designed to meet the rigorous demands of the semiconductor industry. Our services include:

- 1. Chip Validation and Testing:** We provide thorough validation of integrated circuits (ICs) across various temperatures and operating conditions, ensuring they meet the required specifications. Our state-of-the-art facilities support testing for both analog and digital ICs, including functional testing, stress testing, and reliability testing.
- 2. Environmental Stress Testing:** We specialize in testing chips under extreme temperature conditions, ranging from -40°C to 85°C , to ensure their performance and reliability in challenging environments.
- 3. AI-Driven Automation:** Leveraging cutting-edge AI technology, we automate the validation process, reducing testing time and improving accuracy. This allows semiconductor companies to bring their products to market faster while maintaining the highest quality standards.
- 4. Reliability and Lifetime Testing:** We offer advanced lifetime and durability testing to identify potential failure points and ensure long-term performance, critical for applications in automotive, aerospace, and industrial sectors.
- 5. Consulting and Custom Solutions:** Atoms provides tailored validation solutions to meet specific project requirements. Our expert consultants work closely with clients to optimize the validation process and address unique challenges.

Our services help semiconductor companies enhance product quality, reduce time-to-market, and ensure compliance with industry standards, making Atoms a trusted partner for global chip manufacturers.

www.atomsai.net

- Knowledge city, Innovation center, B1, 1st floor, new admin capital, Egypt
- 36 Akkad street, El Firdaus condominium, Aswan, Egypt

Company description:

Brightskies, founded in 2012, is a leading software technology company that specializes in providing innovative solutions across the automotive, HPC, and enterprise solutions sectors. With over a decade of experience in developing safety-critical systems for top automakers globally, our automotive expertise includes intelligent infotainment, advanced driver assistance systems (ADAS), embedded software, and hardware design. Our hardware design services enable the seamless integration of complex automotive and industrial components, ensuring both performance and safety. We also offer high-performance computing (HPC) services tailored to meet the unique needs of organizations requiring advanced computational power. From cluster implementation and code optimization to AI platforms, we deliver solutions that keep businesses ahead of the innovation curve. Additionally, our Enterprise Solutions team provides cutting-edge digital services, such as mobile app development, testing as a service, and turnkey solutions, helping businesses automate processes, enhance security, and achieve greater efficiency in today's dynamic market.

Services:

- Automotive Solutions: Advanced systems like ADAS, embedded software, infotainment, and hardware design to enhance vehicle safety and functionality.
- High-Performance Computing (HPC): Providing cluster implementation, code optimization, AI platforms, and software consultancy.
- Enterprise Solutions: Custom mobile app development, testing as a service, and turnkey digital solutions for various industries.
- System Engineering: Developing and testing safety-critical automotive systems for optimal performance and compliance.
- Hardware Design Services: Specialized design and development services for hardware components in automotive and industrial systems.

www.brightskiesinc.com

- B145 Smart Village, KM28 Giza Governorate, Cairo Palm City Towers, New 30 St., Alexandria Governorate



Company description:

The company designs and produces high-end electronic products and solutions serving several sectors such as telecom, defense and industrial applications.

Owning a seasoned engineering team, the company remarkably provides innovative educational platforms and whole IOT solutions including SW and HW customization to deliver tailored IOT systems to different customer use-cases whether industrial, governmental or general-purpose application.

Services:

- Electronic instrumentation
- Electronics & telecom educational platforms
- Custom and special-purpose electronic & telecom devices
- Industrial IOT systems
- Custom IOT and monitoring solutions

www.spectratronix.com

- Spectratronix factory, Ismailia free Zone, Ismailia, Egypt

Company description:

Coretech Innovations has been a leader in embedded systems development since 2021, driving advancements across automotive, home automation, and green energy sectors. Headquartered in Cairo's Smart Village, with a global presence in Munich, we deliver innovative solutions that contribute to a smarter, more sustainable future. Specializing in automotive, embedded systems development, robotics, IoT, and AI, our product portfolio includes Automatic Charging Robot (ACR), EEBUS Simulator, V2G Simulator, AC Chargers, and IoT Smart Sensor. Our development work on Smart EV Chargers, trusted by leading European OEMs, showcases our commitment to sustainability. Additionally, we offer comprehensive engineering services, including embedded software development, Software maintenance services, real-time software solutions, software and system testing, and web/mobile app development.

Services:

- Coretech Innovations Leadership: Since 2021, Coretech Innovations has been a leader in embedded systems development, advancing the automotive, home automation, and green energy sectors.
- Global Presence: Headquartered in Cairo's Smart Village with a global presence in Munich, we deliver solutions for a smarter, more sustainable future.
- Specializations:
 - Automotive
 - Embedded systems development
 - Robotics
 - IoT
 - AI
- Product Portfolio:
 - Automatic Charging Robot (ACR)
 - EEBUS Simulator
 - V2G Simulator
 - AC Chargers
 - IoT Smart Sensor
- Engineering Services:
 - Embedded software development
 - Software Maintenance Services
 - Real-time software solutions
 - Software and system testing
 - Web/mobile app development
- Sustainability Commitment: Our development work on Smart EV Chargers, trusted by leading European OEMs, highlight our dedication to sustainability.

www.coretech-innovations.com

- Coretech Innovations Smart Village, Cairo, Egypt
Smart Village, 28th Km Cairo-Alex Desert Road, LINX Business Park, Building (F5), Office (A05), 12577



E | SQUARE
Innovations for life

Company description:

Established in 2012: Elsquare is a pioneering deep technology company with a global presence spanning Egypt, Saudi Arabia, Cyprus, and the United States.

Portfolio: Includes hardware and software products and platforms with vital applications across manufacturing, oil & gas, agriculture-assisted technologies, and energy sectors. Our solutions, centered on Industry 4.0 technologies, address issues such as production degradation, lack of governance, and uncontrolled waste. Our manufacturing facilities in Egypt and Cyprus/Greece are designed to meet B2B market requirements and are positioned for potential expansion into the GCC and Far East regions.

Philosophy: Focuses on deploying fit-in-purpose technologies and cost-effective solutions, utilizing flexible project management strategies for seamless digital transformation.

Services:

- **Hardware Manufacturing:** We excel in manufacturing high-quality, robust hardware both for our own technological solutions and for external clients. Our state-of-the-art facilities in Egypt and Cyprus are equipped to produce durable and innovative hardware tailored to meet diverse industry needs.
- **Digital Transformation Consulting:** Guides manufacturers through every step of their Industry 4.0 journey, from assessment to implementation, ensuring a seamless transition.
- **Smart industry4.0 Solutions:** Unlocks the potential of Industry 4.0 with IoT, automation, and real-time analytics to create intelligent, connected factories.
- **Custom Software Development:** Delivers tailored software solutions that seamlessly integrate with existing systems, driving operational efficiency.
- **Process Optimization & Efficiency Improvement:** Streamlines operations, reduces waste, and enhances productivity, leading to significant cost savings.
- **Sustainability Solutions:** Helps adopt green manufacturing practices through energy-efficient and resource-optimized solutions.
- **Training & Support Services:** Provides comprehensive training and ongoing support to fully leverage Industry 4.0 technologies.
- **Digital Twin Technology:** Utilizes virtual models of assets for real-time monitoring and smarter decision-making.
- **Supply Chain Digitalization:** Enhances supply chain transparency and resilience with advanced digitalization solutions.

www.el2labs.com

- Technology Building, Zone 8, Nasr City, Cairo, Egypt - 11471

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Dr khaled yousef
00201001253691
Khaled.youssef@el2labs.com



Company description:

MEMS Vision provides comprehensive sensor ASIC solutions, from ready-to-integrate silicon-verified IPs to fully customized designs. We can tailor our offerings to meet the customer's specific sensor requirements or develop a complete solution from scratch. Additionally, our turnkey services support our customers to cover the entire product lifecycle, from concept to pre-production.

Services:

- MEMS Vision specializes in providing comprehensive sensor ASIC solutions
- We have a wide portfolio of ready-to-use silicon-verified sensor interface IPs that can easily be integrated into the customer's system. We offer customization services to tailor our IPs to fit the customer's specific needs.
- We offer design services to build new sensor interfaces based on the customer's requirements.
- We offer turnkey services where we handle the design lifecycle from concept to pre-production.

www.mems-vision.com

- 11 Fouad Thabet Street, Square 1158, Sheraton Heliopolis 11361, Cairo, Egypt



SSTM
SIMPLY SMART

Company description:

SSTM is an innovative IoT solutions provider focused on delivering scalable, agile, and customizable products across industries. Our mission is to leverage advanced technologies to address critical challenges in sustainability, public health, and industrial efficiency. With a commitment to adaptability, we ensure that our solutions seamlessly integrate into existing infrastructures, while driving societal impact through the use of air quality monitoring, energy efficiency technologies, and more. Our agile development approach enables us to quickly respond to changing market needs, ensuring that our products remain competitive, cutting-edge, and impactful.

Services:

- Innovative IoT Solutions Provider
 - Specializing in scalable, agile, and customizable products
 - Focused on sustainability, public health, and industrial efficiency
 - Offering semi-customizable project development to meet specific client requirements
- Agile Development Approach
 - Quick iteration cycles and continuous integration
 - Adaptable solutions tailored to client needs
- Seamless Integration
 - Modular designs for easy implementation in existing infrastructures
 - Compatible with various industry standards and regulatory environments
 - Supporting multiple communication protocols, including BLE, NB-IOT, LORA, & 4G/5G based projects

www.sstm-eg.com

- 119C Maryotia St., Giza, Egypt

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Amr Talaat Abdel-Hamid
+201001400995
amrtalaat@sstm-eg.com

Company description:

Swift Act has been a global provider for embedded software products and services since 2017. Our expertise knows no bounds, covering everything from automotive and medical to space, consumer electronics, Industry 4.0 and IoT. Swift Act excels in managing the full development cycle starting by requirements, Architecture & Design, development, full software testing and ensuring to meet the industry standards. With deep expertise in Functional Safety (FuSa) and Cybersecurity, we guarantee that our products not only perform efficiently but also adhere to the highest safety and security protocols. Additionally, our proficiency in AI, cloud computing, C++, AUTOSAR and embedded Linux has been instrumental in successfully delivering projects across various industries.

Services:

- Global provider for embedded software products and services since 2017.
- Industries: Automotive, Medical devices, Space, Consumer Electronics, Industry 4.0, IoT.
- Full Software development cycle starting by requirements, Architecture & Design, development, full software testing.
- FuSa, CyberSecurity expertise to adhere to the safety and security protocols.
- Adaptive/Classical Autosar experience to support the automotive industry.
- C++, Embedded Linux, Cloud, AI experience to support various industries
- Aspice experience to build processes, handle gap assessment and recovery plans for automotive projects.

www.swift-act.com

- B107 Smart Village, KM 28 Cairo - Alexandria Desert Rd, 12577, Giza, Egypt
- Germany, Düsseldorf : Medienhafen, Kesselstraße 3, 40221 Düsseldorf
- USA, Michigan : 835 Mason street, Suite B310 Dearborn, MI 48124
- Assuit: G17 Innovation building Silicon Waha - We Park, new Assuit City, Assuit, El Ma`Sara, Asyut, Egypt



Company description:

The Information Technology Industry Development Agency (ITIDA) in Egypt plays a pivotal role in fostering the growth of the country's ICT sector. Established in 2004, ITIDA operates as a public-private partnership under the Ministry of Communications and Information Technology (MCIT). The agency focuses on several key areas, including:

1. **Developing Local IT Companies:** ITIDA offers support programs for startups and small-to-medium enterprises (SMEs) in the IT sector to enhance their capabilities and market reach, both locally and internationally.
2. **Attracting Foreign Direct Investment (FDI):** ITIDA works to attract multinational companies to invest in Egypt by offering a conducive business environment, strategic incentives, and a skilled, multilingual workforce. Egypt's ICT sector is positioned as a global outsourcing hub due to its advantageous location and cost-competitive environment.
3. **Talent Development:** Through initiatives like the "Future Work is Digital" (FWD) program, ITIDA provides technical training to prepare young Egyptians for the digital workforce. The goal is to create a talent pool in emerging fields such as AI, big data, cloud computing, and software development.
4. **Export Promotion:** ITIDA's Digital Egypt Strategy for Offshoring (2022-2026) aims to triple Egypt's IT services export revenue and create over 215,000 jobs by enhancing the country's competitiveness in R&D and offshoring services.

ITIDA has been instrumental in shaping Egypt's digital economy, particularly by fostering innovation, supporting startups, and making Egypt a key player in the global offshoring market

www.itida.gov.eg

- B121 Smart Village, KM 28 Cairo - Alexandria Desert Rd, 12577, Giza, Egypt