



Energasia Technology



We connect the dots to a better future

Energasia Technologies is an information technology, manufacturing and consulting company. We leverage the power of cognitive computing, hyper-automation, cloud analytics, Big Data, Robotic Process Automation, IoT and other emerging technologies to help our clients adapt to the digital world and make them successful.

A company recognized for its comprehensive portfolio of services, strong commitment to sustainability and good corporate citizenship. Our Innovation approach is designed to solve real, specific problems and address tangible opportunities to create value for our client's businesses. We innovate with a sharp focus on relevant solutions to help our clients deliver at an unmatched speed and global scale. Our innovation process cuts across functional boundaries and includes stakeholders across business and technology.

We incubate and translate interesting ideas to scalable and commercialized products, solutions and capabilities. Our AI platform, is at work on automating complex business and IT processes in multiple industries. We have invested deeply to support our clients' innovation needs in many game-changing ways. Our Open Innovation approach lets us reach well beyond the potential of our own intellectual property.

Our Expertise



Software Development
SaaS solutions to help launch faster, ensure, enhance software product engineering lifecycles, and offer unparalleled customer experience.



Application Development
Customized solutions to facilitate complex products development, reduce time-to-market, and accelerate B2B market penetration.



Emerging Technologies
Turnkey embedded projects that provide discrete embedded systems development services for the existing ones.



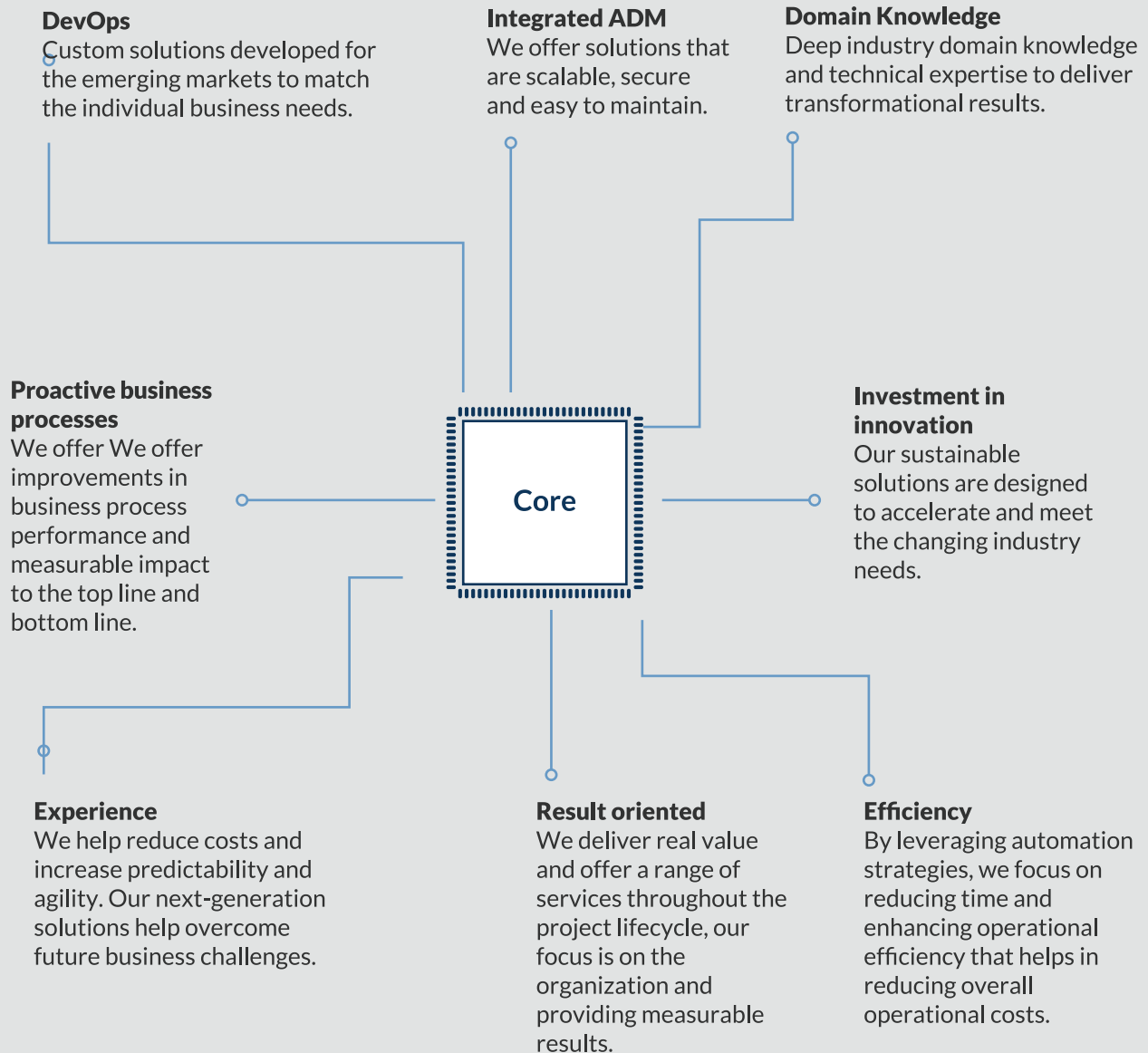
Customised IoT Products & Solutions
Cloud / SaaS and open-source integrated software product testing platform that can meet dynamically changing customer requirements.





Why Energasia

Energasia helps organizations effectively manage their application portfolio through in-depth research and development often resulting in customized. We empower our clients with transformational value by leveraging our proven deployment techniques and industry best practices to create functional IT solutions. We are helping organizations stay on the cutting edge by developing robust applications that are scalable, secure and easily maintainable.





Software Development

Designing safety-critical embedded systems software for telecom, automotive electronics industries and smart cities.

The highly competitive software product engineering service industry continues to witness a move to utility-based software delivery through Software as a Service technologies. The increasing pace of innovation has shortened software product's lifecycles

Companies today require a strategic software engineering services and products partner who can share and execute, based on the product's long-term strategic vision. At Energasia Tech, we share the innovation and product strategy vision of our partners. We are fully committed to bolstering innovation, while contributing the right value through product intelligence. As a result, clients launch new products faster, ensure unparalleled customer experience, enhance software product engineering lifecycles, and capitalize on market conditions. Our software as a service (SaaS) solutions have allowed organizations to leverage modern technology.

Our services span the entire software product engineering life cycle from the pre-lifecycle phase to the mature phase and finally the decline phase. The lifecycle encompasses software product engineering/prototyping as well as re-engineering approaches, resulting in faster time-to-market for systems engineering software.

Product Highlights: TaxiTab

- Benefits fleet taxi operators, customers and drivers
- All cabs are installed with 3 tablets each
 - > 1st one on dashboard has fare meter + route map display for transparency.
 - > Also has facial recognition system so only authorised personnel can operate the vehicle
 - > Secondary tabs behind the front seats equipped with HD camera and in-car entertainment system
- In case of disagreement between driver and passenger, option to contact control centre via tab
- In case of stoppage or diversion, driver can ask for permission to leave vehicle
- In case of loss of contact, emergency mode activates, sending backup to the vehicle
- Connect to nearby utilities and emergency centres for sudden requirements
- Safe, hassle-free journeys with real-time logistics





Application Development

We understand the importance of innovating to provide a competitive edge and customizing existing products within minimized time-frames. We offer advanced mechanical engineering solutions as well as mechanical engineering design services to mechanical design engineering companies across multiple industries. These mechanical engineering services facilitate complex mechanical designs and products development, reduce time-to-market, and B2B market penetration for a mechanical design company.

Additionally, we help engineering services companies come up with product designs, mechanical engineering services, and mechanical design services with best-in-class IT infrastructure support. We are a one-stop solutions provider with capabilities throughout the product development lifecycle, ranging from conceptual design to manufacturing.

We have extensive experience in the implementation, maintenance, and customization of PDM and PLM tools for mechanical engineering design companies.

KEY FEATURES



CONNECTED SYSTEMS

An integrated approach to data aggregation and platform intelligence through embedded analytics, Machine to Machine (M2M) communication, middleware solutions, cloud and online operations.



RELIABILITY

Reliability planning, FMEA & DFMEA, warranty analysis, and reliability test plan



MANUFACTURING ENGINEERING

Tooling and fixtures design, service manual and user manual design, training guides, and automation



PEOPLE QUALITY

Rich pool of domain and industry experts with proven testing skills bring great value to the project



STREAMLINED PROCESSES

Automated testing methodologies, detailed guidelines and scripting standards lead to higher productivity and software quality.



R&D in Emerging Technologies

We leverage the power of cognitive computing, hyper-automation, cloud analytics, Big Data, Robotic Process automation, IoT and other emerging technologies to help our clients adapt to the digital world and make them successful.

We incubate and translate interesting ideas to scalable and commercialized products, solutions and capabilities. Our AI platform, is at work on automating complex business and IT processes in multiple industries. We have invested deeply to support our clients' innovation needs in many game-changing ways.

BIG DATA

Big data refers to the large, diverse sets of information that grow at ever-increasing rates. It encompasses the volume of information, the velocity or speed at which it is created and collected, and the variety or scope of the data points being covered.

DNA OF DARQ

Leading companies are already gaining expertise with early-stage tests and pilots, forming key partnerships and building up DARQ capabilities.

D= Distributed ledgers
A= Artificial intelligence (AI)
R= Extended Reality
Q= Quantum computing



RPA

An application of technology, governed by business logic and structured inputs, aimed at automating business processes.

A company can configure software, or a “robot,” to capture and interpret applications for processing a transaction, triggering responses and communicating with other digital systems. RPA scenarios range from something as simple as generating an automatic response to an email to deploying thousands of bots, each programmed to automate jobs in an ERP system.

MACHINE INTELLIGENCE

When a machine is programmed to learn, it looks for patterns and trends within the data it's given. It uses those findings to draw conclusions. It then develops new programs that take those conclusions into account, allowing the technology to become more efficient and more accurate in tackling one problem at a time.



Customized IoT Products & Solutions

We have been designing and developing safety-critical embedded systems software for the Telecom, Smart cities and automotive electronics. Through IPs, we ensure embedded development which includes embedded middleware, rich embedded system applications, and interactive GUIs for consumer electronics, computer peripherals and telecom products. Our embedded systems group comprises software engineers/developers with a skill set ranging from microprocessors to real-time operating systems, delivering next-gen embedded engineering solutions.

What's more, we execute turnkey embedded systems software development projects for new products, and provide discrete embedded systems development services for the existing ones.

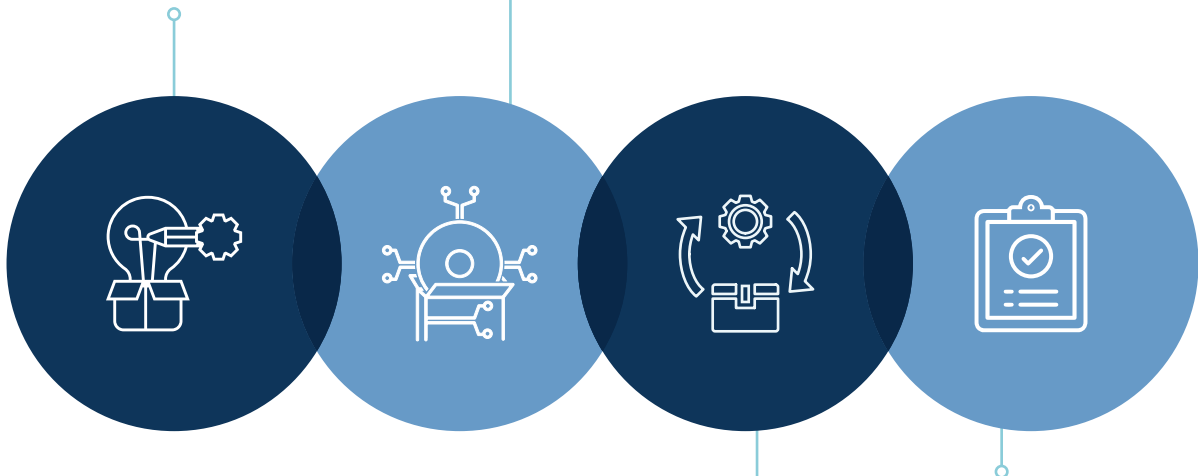
OUR EMBEDDED PRODUCT LIFECYCLE SERVICES INCLUDE:

NEW PRODUCT DEVELOPMENT

Feasibility study, embedded software architecture, modelling, embedded systems design, embedded systems software engineering, embedded systems software programming, embedded software development systems, release management, and feature driven development

NEW PRODUCT ADAPTATION

Embedded system software service including re-development and re-engineering of embedded software and systems, latest technology adaptation, custom embedded system software development, performance and reliability improvement, and multiple platform porting services



PRODUCT SUSTENANCET

Lifecycle enhancements, defect tracking and fixing, feature enhancements, regression testing, and maintenance releases

TESTING AND VERIFICATION

Test plan design, embedded system design, test automation and scripting, compatibility and interoperability, compliance testing, and regression testing



Our Products

HEALTHCARE

- Heart Monitoring System using ECG
- Patient Health Monitoring Platform
- Heart Attack Detection and Heart Rate Monitor
- Person Wheelchair Fall Detection

ENVIRONMENTAL SCIENCE

- Environmental Sensors
- Smart Agriculture Monitoring System
- Waste Monitoring with Weight Sensing
- Greenhouse Monitoring and Control System
- Solar Power Monitoring System

LOGISTICS

- Taxi Tab
- Asset Tracking and Management System (EAMS)
- Car Parking System
- Traffic Signal Monitoring & Controller System

AUTOMATION

- Home Automation
- Building Automation

TELECOM

- Fiber Monitoring & Management System (FMMS)
- Fiber Planning System
- Service Level Operating System (SLOP)
- Underground Cable Fault Detector
- Smart Interactive Kiosk
- Panic Button
- IP based Public Address System

ENERGY

- Smart Meters for Electricity and Water
- Intelligent Gas Leakage Detector
- Smart Grid
- Gas Leakage Detection with Buzzer System
- Coal Mine Safety Monitoring and Alerting Systemc.
- Individual Street, Traffic Light Controllers
- Group Controllers for Street lights, Traffic Lights
- 2-3 Wheeler Electric Charging station

