



An ISO 9001:2008 Certified Company

A Young & a Vibrant Company with a Vision to make
Life and Business

Safe Simple & Productive



Executive Summary

- ❖ **A Bangalore, India, based Company.**
- ❖ Commenced operations in February 2009.
- ❖ Engaged in Design, and Development in the domains of GPS,GIS, Mobile Applications, RFID, Web Based Enterprise Applications.
- ❖ Manufacturing and Quality Assurance.
- ❖ A Full Fledged R & D wing with a dedicated team of qualified professionals.

OUR VISION

To be a vibrant company, providing quality and efficient service to customers and a rewarding experience to its employees.

OUR MISSION

We will develop products and provide services that will have a Strong Social Impact and would improve the quality of Human Life. From a business perspective, our products/services will help our clients get a better control over their business and make a positive impact to their bottom-line. .

Promoters Profile

Vadiraj. S. Katti
Founder & Managing Director

A Commerce and a Management graduate, with an experience of 20 years in the fields of Finance, Banking, HRD and Telecom. He is the founder Director of iTriangle Infotech Pvt Ltd.

Kiran A R
Technical Director

An Electronics engineer, having a Post Graduate Diploma in “Embedded System Designing” from Center for Development of Advanced Computing (C-DAC). Has more than 10 yrs of industrial experience in embedded systems designing and development with an exposure to hardware and software designing on Automotive embedded systems. Has worked with Siemens and C-DAC. He is one of the founder members and the Technical Director of the company.

Dr. Shyam Vasudev Rao
Mentor

Has a Doctorate from Indian Institute of Science, Bangalore in the area of Scalable Computer Systems and Architecture Applied to Real-time control of MTDC systems; is a Gold medalist from Indian Institute of Science and Dept. of Science & Technology- Lockheed Martin India Innovation Growth program 2011 for Innovation of a Eye Screening Device. Has worked at Senior positions in Ericsson, Phillips Innovation and is also the President and the CTO of Forus Health Pvt Ltd. He is the Mentor and the Non-Executive Director of the Company.

Dr. S.K. Katti
Mentor

Has a doctorate from Indian Institute of Science, Bangalore. His technical contribution is in the area of Systems science and has worked on Multi Variable System Design. An Electronics, Electrical and Computer Science Engineer, He has a varied experience of 43 yrs in the field of education. Published several research papers in the areas of Control Systems, Artificial Intelligence and Speech Recognition. He is currently doing research work in the area of Speech Recognition and Digital Signal Processing. He is the Mentor for iTriangle InfoTech Pvt Ltd.

Abhimanyu Raja Pillaiyar
Director

A Textile Industrialist based in Hyderabad, has over 30 Years of professional experience. He is the Director of the Company.

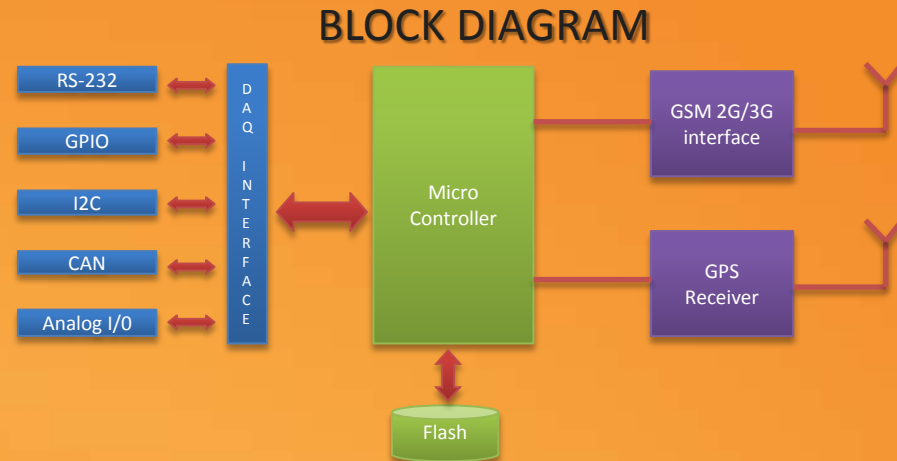
Ajay Kamath
Director

An Architect by profession with over 15 Years of Experience. Well known in his field for his innovative designs and quality of work. He is the Director of the Company.

Platform Capability

We have developed a complete end to end telematic platform including

- ❖ Hardware Design
- ❖ Firmware
- ❖ Multithreaded server
- ❖ Web application
- ❖ Mobile application



All these can be customized to various telematics requirements as required by customers in various domain. Some of the salient features of the platform are

- ❖ Provides a fast and flexible pipe for data transfer b/w the device and the server
- ❖ Both 2G and 3G support available for data transfer to the server.
- ❖ The server component is highly multithreaded and can handle thousands of simultaneous connection with the devices.
- ❖ Consists of various interfaces for data acquisition such as GPIO, ADC, RS232, CAN, I2C, SPI, OBD etc
- ❖ Database Architecture capable of handling thousands of simultaneous transactions
- ❖ Application access through web and mobile applications.
- ❖ Modular design helps in customization and fast time to market.

Industry Focus

Telematics

Automotive

Infrastructure
Management

Personal and
Health Care

VMTS and Fleet
Management
Systems

Remote Vehicle
Diagnostics

Industrial/Infra
Data Acquisition


Remote
Generator
monitoring
System

Personal
tracking and
Safety

Wearable health
monitoring

 Existing Products

(VMTS) Vehicle Monitoring & Tracking Systems

 Up Coming Products

Company / Product Certification

ISO 9001:2008
Certified Company

ARAI
Progress through Research
As per AIS004, Part 3:2009



Automotive Telematics



aQuila Track FMS/GPS Vehicle Tracking:

We have developed a next generation GPS tracking platform on which, a variety of products for different markets like transportation, asset tracking, geographical data acquisition, fleet management etc can be developed. The technology involves GPS, GSM, and satellite link with web based control, tracking, and monitoring facilities on a Google map interface. It's even possible to acquire data pertaining to the remote entities to which the tracker device is attached.

By extending the platform, we have developed a complete vehicle and fleet management solution in the brand name of aQuila, loaded with a complete range of applications and features that increases the business efficiency, productivity and the bottom-line of our Customers.

aQuila U101

Geo Lock First time in India.
Alerts through Hooting, SMS
Vehicle Immobilization.



aQuila U101 V1

Vehicle Tracking
and Monitoring System



aQuila S101

Vehicle Tracking
and Monitoring System



aQuila A 70

Mobile Data Terminal



Status: Product Launched

Targeted Market: Transport companies, Logistics, Taxi/Car Rental Services, School/College Vehicles, IT/Call Centre Companies, Trading and Distribution Companies, Health Care.....

Remote Vehicle Diagnostics System



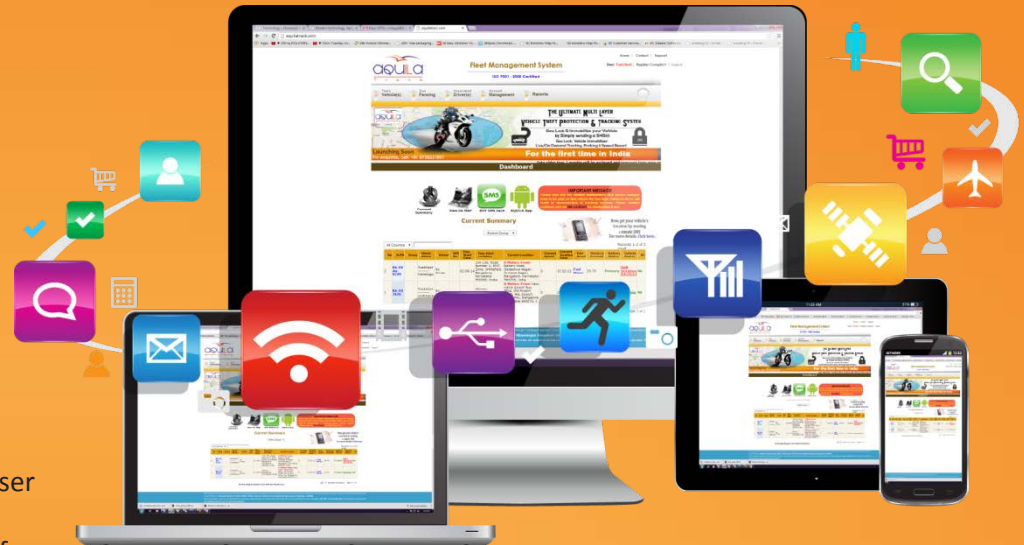
- ❖ We are developing an OBD-II(On board Vehicle Diagnostics standards 2) to GSM based Telematics device, which adds remote Diagnostics capabilities to our existing GPS Vehicle tracking systems.
- ❖ Along with vehicle tracking data, other vehicle related parameters, and diagnostic information can be acquired through OBD-II interface and sent to server through GSM for Processing.
- ❖ With Current OBD-II interface becoming standardized with all the vehicle manufacturers, this solution opens up an opportunity to offer a wide range of services & applications to users and huge business opportunity within in automobile ecosystem.
- ❖ Status: Under design and Development
Expected in Market - Nov2014

Web Based Tracking Application

www.aquilatrack.com

Your access to an exciting world of Tracking and Monitoring your assets, from your Desktop, Laptop, Android Smart Phone

- ❖ A complete web based online application supporting latest web and mobile technologies.
- ❖ Provides a comprehensive tracking and monitoring feature with rich user experience.
- ❖ Provides a role based information access and context based user interface for ease of operation.
- ❖ Platform independent application which can be hosted on both windows and Linux servers
- ❖ Developed primarily on PHP and MySQL with blend of JavaScript, PERL and AJAX.
- ❖ Optimized for load and performance with thousands of concurrent connection access.
- ❖ Has a rich set of integration such as Map Service, Email alert Service, SMS alert service and third party web interfaces.
- ❖ Customization facility to fine tune the application as per the customer needs.
- ❖ Currently hosted on a secure 3 tier datacenter at White field Bangalore.



Personal/Safety & Security

www.mesafe.co.in



School / Office Bags with Integrated GPS-GSM Based Track & Alert System

- ❖ Prototypes Ready and Test Phase over
- ❖ Ready for production.

Using our data acquisition platform, we have two offerings in the Personal security and safety domain, that basically offer security and safety solutions to Women, Old aged people, Children and High risk professionals. In today's world, personal security and safety is of paramount importance and our products offer an immense value proposition with several interesting and relevant features that provides monitoring, security and alert services to the users.



GPS-GSM Based Personal Track & Alert System

- ❖ Prototypes Ready and Test Phase over
- ❖ Ready for production.

The logo for PhoneSafe, featuring the word "Phone" in white and "Safe" in red on a black background.

Mobile Applications



This application called PhoneSafe has been exclusively developed by iTriangle and is the first of its kind in the market. This application enables the user to track his phone if it is lost and is being used by somebody else. Along with the information of the number that is being used in the lost phone, the application also gives the location information of the lost phone. Additional features of the PhoneSafe application are, Phone book restore that helps the user to restore his phone book contacts from the lost phone and Remote deletion of data in the memory card of the lost phone. We have a dedicated website for this application called www.phonesafe.in.

Status: In Market

With an objective to make the use of GPS/GIS based applications more widespread and productively relevant in the day to day operations, we have developed a series of products targeted for tracking your company's workforce especially in the area of sales, marketing and services, where people are expected to move around a large geographical areas. The application can track the people over geographical areas and can generate various reports of each individual which gives the detailed information about their locations of visits, duration of visits, Journey Reports, time of visits etc. The product can also be used to track the children, old age people, and pets if required. This immensely useful application can be ported/loaded on any GPS enabled Mobile phone with an Android operating system. **The highlight of this Service/Application is that the prospective customers need not buy a separate personal tracker, but can port this application on a mobile phone used by their work force at a very minimal cost.**

www.ptrack.itriangle.in

- ❖ **Status:** Product/Service Launched.
- ❖ **Targeted Market:** Trading companies, Pharmacy Industry, Onsite Service Companies, and Home Delivery and Logistics Industry, etc.

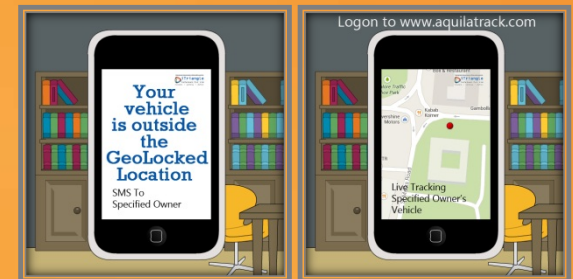
GPS-GSM Based Vehicle Theft Protection System

Geo Lock : Locks the Vehicle in a particular geographical area, where it is being parked; sends a message and alerts the owner if the vehicle crosses the locked area, with a hooter alarm.

Vehicle Immobilizer : Immobilizes the vehicle upon sending a message, while parking; the ignition cannot be turned on.

Live/On Demand Tracking : Tracks the Vehicle real time and provides location, distance covered, halt/stop info, daily/monthly and Various other reports. *

On demand tracking is also available by sending a Simple SMS to a pre-defined number. *



Customized Solutions

Using our proprietary Remote Data Acquisition Platform based on GPS-GSM-RFID, we have customized offerings for different domains. These solutions enable the users to manage and monitor their assets effectively and profitably, as per their needs, thereby increasing the business efficiency.

- ❖ Fleet Management System for Transport, Logistics Industry
- ❖ Student Travel Management System for Educational Institutions
- ❖ Employee Travel Management System
- ❖ Taxi Dispatch System
- ❖ Banking Transport System
- ❖ Securitizing ATMs through a Four layered protection
- ❖ Waste Pickup Management System
- ❖ Mining Management Application
- ❖ Intelligent Transport System for Road Transport Corporations
- ❖ Infrastructure and Construction Management

Industry Potential

Current Trends:

There has been an increased acceptance of technology in the transportation business and GPS is becoming more and more common in Fleet management due to the clarity it brings to the transportation business. The Idea of having tracking devices to their moving assets like vehicles and mobile manpower is becoming popular day by day. We see an increased and a growing interest in adopting GPS based devices in the sectors of Transportation, Hospitals, Logistics, Government, Educational, Trading Organizations and the Health care Industry. GPS as a technology, will be used widely and comprehensively for personal tracking, security and safety of individuals, especially, women, children and elders. GPS along with GSM/Satellite Communication and RFID will play a crucial and a major role in the days to come to ensure effective monitoring of business assets and the safety of people; because of its ability to provide real time location information and other value added facilities like two way communication etc.

Potential of GPS Solutions:

The worldwide market for global positioning system (GPS) navigation and location based services has been growing exponentially and is expected to rise to \$13.4 billion in 2014, with a high compound annual growth rate. (Source- Economic times). In our own Country, the potential is humongous and the recent announcements and the measures that the Government has initiated include making GPS based tracking devices compulsory in all the public transport vehicles across the Country. The inherent capability to track and monitor the movements of people/assets opens a big door of opportunity to design and develop Personal Safety and Health Care devices that will go a long way in ensuring safety and security of women, old aged and disabled people and children in the society. The Market size in India for the Track and Trace devices with advanced FMS solutions for Commercial vehicles is expected to touch Rs.800 Crores by 2018 (Source: Frost & Sullivan Report)

Targeted market:

Transport companies, Logistic, Taxi/cab, School vehicles, Government agencies, Trading companies, Pharmacy industry, Onsite service companies and Home delivery, People Track & Health Care industry etc.

Targeted Strategy:

The Company believes that the GPS Devices/Applications Industry will grow rapidly in the next couple of years and the rate of growth will be similar to that of the telecom industry. This belief is based on highly reliable forecasts, current trends and our own experience and the feedback that we have received from the market. Therefore, we have developed our own technology, both in the hardware design and the backend application. This has placed us in an advantageous position in terms of offering innovative solutions at affordable and the most competitive prices. Since the Hardware design and the Backend application is absolutely our own, the potential to be an OEM and offer products to any aspiring business entity in their own brand is quite high. We are already receiving enquiries in this regard.

Market Positioning and iTriangle Advantage

- ❖ In-House Design, Development and Manufacturing
- ❖ With GPS GSM RFID Based data Acquisition, being extremely important for security, efficiency and productivity reasons; iTriangle, as an end to end solutions provider, will be in an advantageous position.
- ❖ Can Cater to B2B & B2C market segments.
- ❖ System Integration with automobile OEMs possible, since the entire design is proprietary. Talks with Escorts & TCS, AMW , in this regard on.
- ❖ Cost Advantage to the customer without compromising on quality.
- ❖ Customization as per customer needs, is easy and possible because it is an in house product.
- ❖ The Government initiative to encourage localized manufacturing and also a regulation in most of the Government tenders that the bidder should either be an Own equipment Manufacturer or a dealer of an OEM will place iTriangle in a highly advantageous position.
- ❖ Product Certifications from CE and ARAI.
- ❖ GPS-GSM based Tracking and Monitoring systems have been classified in the Wireless Product Category. Off late, the Government has been asking for strict compliance, making the imports difficult, especially from Countries like China. Therefore, iTriangle as a developer and manufacturer of these devices has been getting increased enquiries from various System Integrators and GPS Service Providers.

Our Major Clients & Projects

Schools & Educational Institutions

- ❖ VDRIT, Haliyal.
- ❖ Cambridge Primary School, Ligasugur, Raichur.
- ❖ R T Nagar School, Bangalore.
- ❖ Malgudi Vidya Niketan, Bangalore.
- ❖ Kautilya Vidyalaya, Mysore
- ❖ Gnyanodaya Public School, Mysore.
- ❖ SLU School, Bangalore.
- ❖ CN National Public School, Bangalore.
- ❖ East Point, Bangalore.
- ❖ Purna Pramathi School, Bangalore
- ❖ Euro kids, Davangere.

Govt. & Public Sector

- ❖ Bhubaneswar City Transport. Bhubaneswar,
- ❖ Central Coalfields Limited, Piparwar, Ranchi.
- ❖ Ordnance Factory, Ministry of Defence, Chanda.
- ❖ Ordnance Factory, Bhandara.
- ❖ 2rajrifles, MEG Bangalore.
- ❖ Dept. of Commercial Taxes, Karnataka.
- ❖ Dept. of Horticulture, Karnataka.
- ❖ Krishna Jala Bhagya Nigam Ltd.
- ❖ Municipal Corporation, Chintamani.
- ❖ Krushi Vigyan Kendra, University of Agricultural Sciences, Bangalore.
- ❖ City Municipal Corporation, Chikkaballapur.
- ❖ Canara Bank..
- ❖ Air Force Station, Yelahanka.
- ❖ TMC . Bannur
- ❖ Mysore Minerals Ltd. Bangalore.
- ❖ Gadag-Betageri City Municipal Council., Karnataka.

Corporates & Others

- ❖ Radiant Distributors, Bangalore.
- ❖ Goyal Sales Corporation, Hubli.
- ❖ Sonim Technologies, Bangalore.
- ❖ Mobily Infotech India Pvt. Ltd., Bangalore.
- ❖ Anuvarth Apparels, Bangalore.
- ❖ MediWings Bioscience Pvt Ltd, Bangalore.
- ❖ Manpasand Manpower Pvt Ltd, Bangalore.
- ❖ Handa Transport, Hubli.
- ❖ Unitex Apparels Pvt Ltd, Bangalore.
- ❖ Gia Corp Care, Bangalore.
- ❖ Nearn IT, Hubli.
- ❖ Udupi Tours & Travels, Bangalore.
- ❖ Go Go International Pvt Ltd, Bangalore.
- ❖ Sun Multitek Enterprises, Bangalore.
- ❖ Nav Bharat Crane Service Pune.
- ❖ Unity Travels Bangalore. Sys Cabs Bangalore.
- ❖ Inter trans service (ind)pvt.
- ❖ K.Rajkamal Bangalore.
- ❖ G.S. Break Down Ahmadabad.
- ❖ Nandi Infrastructure Corridor Enterprises Pvt Ltd, Bangalore.
- ❖ Power Tech Call Centre LLP, Bangalore.
- ❖ Sys Cabs, Bangalore.
- ❖ United Associate Engineers, Bangalore.
- ❖ Creative Info Services, Bangalore.
- ❖ GW. Precision Tools Ltd. Bangalore.
- ❖ Nisarga Leisure & Travels Pvt. Ltd., Bangalore.
- ❖ Miles on Wheels, Bangalore

- ❖ Municipal Corporation, Chintamani.
- ❖ Wind World (India) Ltd., Bangalore.
- ❖ Trawellday Tours & Travels Bangalore.
- ❖ Rescue 24/7 Tow Services.
- ❖ Manjushree Car Rentals, Bangalore.
- ❖ Zen PowerTechnologies , Bangalore.
- ❖ Ayoni Technologies LLP Banagalore.
- ❖ Charoen Pokphand Seeds Pvt Ltd, Bangalore.
- ❖ Navanit Motors
- ❖ Express Cargo.
- ❖ Inter trans service (India)Pvt Ltd.
- ❖ Maruthi Cement and Steels Pvt Ltd., Bangalore

OEM/System Integrators

- ❖ Escorts Ltd. Faridabad
- ❖ MIBS, Bangalore.
- ❖ Ethic Soft, Bangalore
- ❖ B Tree Technologies, Chennai
- ❖ Bayonet, Kenya.
- ❖ Argus Technologies LLP, UAE.
- ❖ Asset Telematics, Hyderabad
- ❖ Colosseum Tech Solutions Pvt Ltd, Hyderabad
- ❖ Rolta India Ltd., Mumbai.
- ❖ Tata Consultancy Services Ltd
- ❖ Himu Softech, Bangalore
- ❖ Kanoe Software Pvt. Ltd
- ❖ Infotrack Telematics, Bangalore
- ❖ 3rd Eye Solutions. Kochin
- ❖ Pulsar Electronics, Mumbai.
- ❖ AC Tech Pvt. Ltd. Amdhabad(Deployed IOCL)
- ❖ Code Land Pvt. Ltd. Bangalore
- ❖ Aftech Ltd. Pune.

THANK YOU
**WE LOOK FORWARD TO A
MUTUALLY PROFITABLE
ASSOCIATION**

