This is
# Virtus IT

Virtus
*A trusted partner*

# A little about us

At Virtus IT, we often do things others won't – because we can, and because we enjoy the challenge.

We have a highly dynamic business that is full of highly experienced people who are proud of what they do and of exceeding the expectations of our clients.

We thrive on pushing ourselves to solve the difficult, less understood and more complex problems that businesses face today.

We innovatively apply our knowledge and a wide range of technologies to deliver solutions that exceed client expectations and are on budget and on time.

# The company

- Virtus is an established consultancy and specialist IT product and IT services company.

- Our consultancy and services operations have been run from our UK (London) office since 2008.

- Our highly skilled development team are based in India (Hyderabad) and have developed all our products as well as offering our clients bespoke development services.

- Our philosophy has always been to use the best people on any assignment, so that our customers know that they will always get the very best from us.

- To get the best people across all the subjects we cover, our business model makes use of both our own employees and specialist associates that we bring in when required from a trusted network of partners.

- Our business model allows us to offer our clients significant commercial and delivery flexibility.

# Overview of what we offer

## Consultancy

- Specialist business consultancy
- Specialist technical consultancy
- Project and Programme management

## IT Development

- Bespoke software development and maintenance
- IT Product /app development

## IT Services

- IT outsourcing (software development and maintenance)
- IT operations outsourcing
- IT application hosting services
- IT Infrastructure design, implementation and management
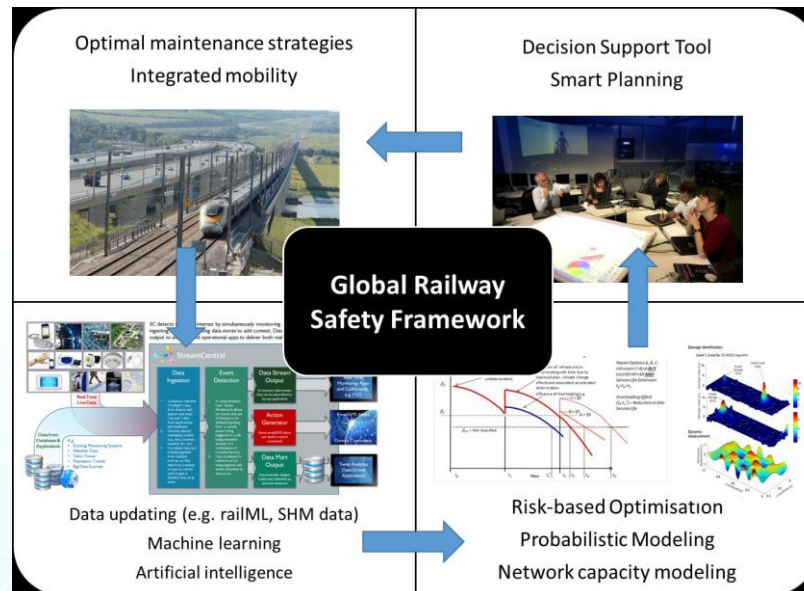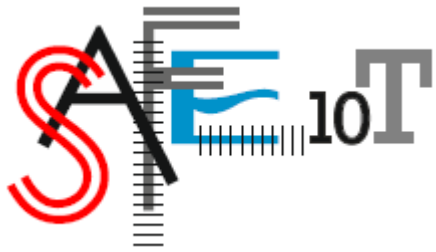
## Products

- StreamCentral Data aggregation and analytics platform
- Fuzed enterprise collaboration software
- DQM – Data Quality Management
- Moya The Waterman – water distribution management software

# We have impressive clients

# We are a key part of 2 pan-European projects

# IT Development – Solution Experience

- Information Strategy
- Data Modelling
- Master Data Management Design and Implementation
- ETL Design and Implementation
  - SQL Server Integration Services
  - Attunity
- Data Strategy implementation on :
  - SQL Server 2008/2008 R2/2012
  - Vertica
  - Hadoop
- Analytics Design and Implementation
  - SQL Server Analysis Services
  - Microsoft PowerPivot
- Report and Analysis Design and Implementation
  - Tableau Software
  - QlikView
  - SQL Server Reporting Services
  - Microsoft PowerView
  - R
  - Custom HTML 5 solutions

IT Development

# IT Development – Our Technology Experience

- **Development Languages** : C #, Core Java, Angular.Js, Node.Js, Python script

- **Database Experience** : MYSQL, Microsoft SQL Server, Postgre, Microsoft azure Document DB, Amazon cloud Redshift

- **Distributed Caching Experience** : Memcache, REDIS, Microsoft AppFabric.

- **Asynchronous Technologies** : MSMQ, SQL Server Service Broker, Windows Communication Foundation (WCF), RabbitMQ, ActiveMQ, Microsoft Queue bus.

- **Web** : HTML / HTML 5, DHTML, XAML, CSS, XML (Web Services/ REST), XSL, XSLT, JQuery, JTemplates, JLinq, JavaScript, Silverlight.

- **Design** : Adobe Tools, Microsoft Expression Tools, Windows Presentation Foundation (WPF).

- **Mobile** : iPhone, iPad and Android.

- **Cloud Environment:** AWS hosting VM's, Windows Azure – Streamanalytics Job, Hosting VM's, Hosting Database as the services

- **IoT Technologies:** Connecting sensors and gateways, iothub, event hub, registering devices on devices, Python scripting

- **SAP:** Extensive SAP experience

IT Development

# Technology Skill Sets - 1

- HTML5
  - Canvas: Using Canvas for representing visual drawings.
  - Drag and drop and XHR upload
  - History API using push state
  - Web storage for caching

- JQUERY
  - Creating and using advanced plug-ins
  - Asynchronous calling web services
  - Asynchronous file upload
  - Event Handling
  - Advance usage of Jquery effects and animations
  - Using Jquery UI for Theme and Widget Factory
  - Using regular expressions in Jquery.

# Technology Skill Sets - 2

- Web Technologies:
  - UX Designs
  - Usability
  - Accessibility
  - UCD principles
  - Wireframes
  - Mockups
  - Work flow diagram
  - SEO

- Adobe Tools:
  - Adobe Photoshop
  - Adobe Illustrator
  - Adobe Firework
  - Adobe InDesign
  - Adobe Dreamweaver

IT Development

# Technology Skill Sets - 3

- Development Technologies:
  - XHTML
  - HTML 4
  - HTML 5
  - CSS 3
  - Java Script
  - jQuery
  - XAML

- Presentation and marketing:
  - Flash
  - PPT
  - Digital Marketing
  - Mobile Jquery

IT Development

# Technology Skill Sets - 4

- Windows Presentation Foundation (WPF):
  - MVVM and MVP patterns
  - Routed Events
  - Animation Triggers (Properties), Animation Triggers (Events)
  - Prototyping, Styles, Templates, and Controls
  - Threading Model and pool
  - Asynchronous Dispatcher Operation

- Windows Communication Foundation (WCF)
  - Publish-subscriber, SOA model
  - Message Transfer Patterns ( simple, duplex, request-Reply)
  - Push Data to the Client using WCF Call Back Service
  - Download Files using WCF REST End Points
  - Expose WCF 4.0 Service as SOAP and REST
  - Routing Services, Transport Messages, Protocol Bridging
  - Advanced Rest services
  - using Multiple Transport Schemas(http, tcp, msmq)
  - Interoperability HWNDs and com components

IT Development

# Technology Skill Sets - 5

- Mobile Application Capabilities(ionic framework):
  - Native app like layout: Can work as standalone application
  - Ability to connect to server (WCF Service) to get or post data, in JSON format.
  - UI can be easily designed using simple HTML(5) and CSS.
  - Ability to invoke other app or service.
  - Using angular.Js and Node.Js

- iOS Applications (For iPhone, iPad)
  - Native application can be built using either iOS controls using Objective-c or by using phonegap
  - Ability to connect to server (WCF Service) to get or post data, in JSON format.

- Native android applications (For Andriod based smartphones):
  - Building native android based applications in Java and Java-script.
  - Generating .apk's
  - Ability to manage the applications in play store (upload process of apk, version control).

IT Development

# Consultancy

- Virtus IT's founders each have over 25 years of experience delivering consultancy and management services to leading organisations across the globe.

- Virtus IT has access to a highly experienced network of over 2,000 senior consultants and managers who we bring in to work on our projects when this adds value to our clients. As our associates operate at the leading edge of their field of speciality, our clients benefit from access through Virtus to the best people from multiple industries.

- Through our employees or through our associates, we offer our clients considerable support across many areas including:

| IT Consultancy | Business Consultancy |
| --- | --- |
| • IoT, sensors and connectivity<br>• Smart Homes / Smart Cities<br>• Big Data, BI and Analytics<br>• Cloud platforms<br>• Real-time data processing | • Telecommunications<br>• Utilities – Water, gas, electricity<br>• Healthcare<br>• Financial Services<br>• Manufacturing |

Consultancy

# IT Services

- Virtus has put together teams to manage IT Outsource contracts for some of our clients:



- OneFamily – A UK Financial Services Investment Company asked Virtus to provide a managed service which looked after the maintenance of core legacy system applications that belonged to a company that it recently acquired.



- Zebra International asked Virtus to host an advanced data clean-up platform  for them and to then manage the data ingestion of their live data onto this platform.

# Products

Virtus has developed a number of specialist products for business:

- StreamCentral

- Fuzed

- DataQualityManagement (DQM)

- Moya The Waterman

Information about our products can be found in our product literature.

Contact:

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