

IMAGINE BROADBAND

SERVICES



Execution excellence by the world leader in broadband and enterprise services

Imagine broadband Engineering is founded on unrivalled technical expertise and focused by quality to ideally meet the needs of network and network service operators.

By risk managing the delivery of large scale networks and broadband implementations to previously unrealised standards Imagine broadband Engineering eliminates execution problems. Our proven record of always achieving technical goals according to agreed timescales creates a dependable foundation from which to plan all other aspects of your service delivery programme. Ultimately this enables you to fulfil launch commitments to internal or external customers as well as engage and invest in marketing campaigns with absolute peace of mind.

Wide Ranging Experience And Expertise

Imagine broadband Engineering has extensive experience of working in many different sectors

for organisations that have corporate and or domestic customers. These include cable operators, telecommunication operators, banks and financial institutions, utilities and energy businesses including electricity, oil and gas, home entertainment providers and other businesses that rely on large scale networks to achieve business objectives.

Whatever the industry or activity, the continuing pressure on network operators is to create and deploy new services in the most efficient manner and to the highest quality standards. Imagine broadband Engineering is renowned for helping customers realise these goals by resolving complex problems with elegant solutions that change the perception of technology from disabler to enabler. We understand the dynamics of the marketplace and have expertise in every facet of large scale network operations including the design, development and delivery of new services through to operational hand-over and long term operations responsibilities.

Tailored Solutions

Imagine broadband Engineering has the inherent flexibility to tailor service solutions to your exact needs. Whatever the scope or complexity of the project, we have the capabilities to deliver a complete turnkey environment or simply provide ad-hoc expertise to augment your own internal resources.

Turnkey Delivery

With a turnkey contract Imagine broadband Engineering will fully risk manage the complexities of your capital expenditure programmes. Contracts can include business analysis and capturing of business requirements, architecture, design, supply chain management, system integration, end-to-end testing, and roll-out including all aspects of deployment, operational readiness and training for your staff.

The fundamental benefits of such a comprehensive solution are that development of new services can progress without disrupting your existing operations and that you can begin accruing commercial advantage from the moment you take ownership of the service.

Ongoing Expertise

We can provide a wide range of skills for both short and long term engagements. In this role our involvement is on sub-projects that require specialist technical expertise.

Ad Hoc Technical Advice and Training

Imagine broadband Engineering can support you with point expertise in any area of broadband and large scale networks as and when you need it.



Technology Risk Management

Imagine broadband Engineering can act as your technology risk managers and work with you in a partnership that gives you on-going access to dedicated experts. Our technology risk managers work in many ways for our clients including:

Independent technology project audit and on-going recommendations.

Technology roadmap structuring with realistic scheduling and budgeting.

Vendor selection and relationship management.

On-going design collaboration and validation.

Operational Support

There are a number of ways to structure our relationship so that we work with or become your operations team for efficient, cost effective, operation of your network and infrastructure. Our unique experience enables us to analyse and advise on the actions needed to increase and maintain quality standards of the services delivered by your networks.

Comprehensive Skills Base

Imagine broadband Engineering has specialist skills in a wide range of technology applications. These include:

Networks

Large scale IP networks
DOCSIS and EURODOCSIS
LAN design and delivery
DSL and ATM networks
FTTH and ETTH networks
Fixed and mobile wireless networks

IP Services

IP security
IP address management
IP VPNs
IP telephony
IP Content Delivery Networks and multimedia streaming

Operational Support Systems

Provisioning and activation systems
Service management platforms
Network operation centres
Digital TV operation centres
CPE management platforms
Enterprise platforms

Broadcast Platforms

Digital H/E design and delivery (DVB, ATVEF, OpenCable and others)
Remote H/E design and delivery
Wide range of conditional access systems
Digital Rights Management systems
Near Video on Demand, Video on Demand (subscription based or pay per play)
STB integration (HW, OS, middleware, applications)
Satellite and DTT broadcasting
IP video broadcasting and multicasting

Applications and Services

All industry middlewares
Web Applications for broadband and DTV platforms (JavaScript, HTML, C, C++, Java, etc.)
Enhanced TV systems
VoD solutions
Games on demand solutions
STB applications (EPG, games, mail, self-care, etc.)
Streaming technologies
Large scale broadband portal design and delivery
UNIX and Windows NT system administration
Leading edge simple and complex games platforms

Core Networks and Telephony

SDH and IF networking
DWDM transmission systems
Circuit switched environments and their support infrastructure
TDM switches
Voice over IP

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Imagine broadband

Imagine broadband was founded on the skills of the first team in the world to deliver broadband interactive digital TV over a cable platform. Since then, with the expertise and innovation of our engineering group, we have established many additional world firsts in multi-service platforms over multiple access technologies.

Our experience and vision in meeting the challenges of real service delivery and operations over large scale networks are the key drivers in our development of new product suites. In all activities, our technical and business creativity is focused by working with clients to help them take full advantage of our skills and ultimately grow their position in the marketplace.

Imagine OSS is a division of Imagine broadband dedicated to Operation Support Systems

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