



Telecommunications & Media



Architect of an Open World™

Develop innovative and new businesses

In the Telco industry, the combined evolution of technology, industry regulation and the changing needs of both residential and business customers have attracted new actors and pushed existing operators to quickly define new strategies in terms of services and markets. Against the backdrop of the continued upheaval, involving media and value-added services, Bull is a key driver of innovation, delivering professional carrier-grade solutions.

Based on a strong commitment on results, Bull delivers solutions with a deep knowledge of the Telco business and Information Systems, a proven expertise in the leading market solutions, a large experience in IT infrastructures and change management.

Develop new IP services

Become innovative, attractive and competitive

Gain customers' loyalty

Develop the customer base

Optimize the management of new services

Get the most from the existing infrastructure

Stay competitive

NGN solutions and VoIP infrastructures

Bull solutions enable the rapid implementation of new offerings devised by the Marketing team. With Bull solutions, operators and Internet Service Providers propose Voice over IP services (VoIP) as well as, fixed-mobile convergent messaging. They provide residential subscribers a large range of services such as: Triple Play, Quadruple Play, Video on Demand, IP TV. In addition, they propose to corporate subscribers, convergent business solutions and IP Centrex offering that enable them to enrich their range of services to customers and employees, to simplify their Telecom infrastructure and to reduce associated costs. For example, Bull integrates in its network architectures the centralized Class 4 and 5 softswitches from its partner Thomson Cirpack, and the unified messaging solution from StreamWide.

Value-Added Services

While integrating selected partner products, Bull offers a large range of solutions which support operators' Value-Added Services:

- Multi-access portals, e.g. business portal for a mobile operator, online shopping, solutions based on the ATG Dynamo Portal Suite and BEA Weblogic
- Complete multimedia messaging solutions, based on CriticalPath and XandMail partner products
- Complete Address Book solutions, based on Voxmobili, accessible from the Internet, a fixed or mobile terminal
- Mobile services platforms for enterprises, allowing both Internet and Intranet secured access, service management.

Complete Customer Care and Billing systems

Bull has a large experience in the migration of Business Support Systems for Telco operators and Internet Service Providers (ISPs).

Bull solutions are able to answer every requirement of the Customer Information System of a Telco operator: customer management, mediation, rating, billing, Customer Care and specific developments for the billing chain.

The Bull's expert teams propose a large range of services around selected partners, such as Highdeal and LHS.

Service activation and Service Quality Management (SQM)

Bull is a major Operation Support Systems (OSS) integrator and has many references in key domains such as supervision and Service Assurance.

Bull solutions integrate different partner products from Bull Evidian, HP Openview and Telcordia.

Bull provides the definition and the complete integration of the solution, as well as, its implementation and maintenance. With more than 15 years experience in turnkey projects and Third-Party-Maintenance, Bull is able to offer international support, 24 hours a day, 7 days a week.

Moreover, Bull has put in place numerous solutions in the different domains of a Telco activity: mediation, provisioning and service activation either based on major partner products such as Comptel, Kabira, or on specific Open Source developments.

Deliver integrated Telco solutions

Bull has major references in the different domains of the Telco activity such as Service Delivery Platforms, Value-Added Services, portals, billing, mediation, operations and IP infrastructures.

Consulting	Expert centers OSS, BSS, PFS, IP infrastructures	Technical Assistance
International sales network	Hosting and outsourcing	Escala & NovaScale servers

In the Telco area, Bull takes advantage from:

- Seven expert centers, dedicated to the Telecoms, in Brazil, Italy, Poland, in addition to three locations in France, and more recently, an integration team in Morocco
- Associated services such as consulting, hosting and outsourcing
- A large range of powerful and highly available servers such as Bull Escala and NovaScale
- International presence of sales and technical teams.

Bull has integrated a selection of partner products in its different solutions, to cover every aspect of the activity of a Telco operator or an Internet Service

Provider:

- Operation Support Systems (OSS)
- Business Support Systems (BSS)
- Value Added Services (VAS) and Service Delivery Platforms (SDP)
- IP network infrastructure.

OSS Operation Support Systems	BSS Business Support Systems	VAS/SDP Value Added Services Service Delivery Platforms
<i>Service Delivery</i>	<i>Billing</i>	<i>Messaging</i> <i>Personal Information Management</i>
 	 <i>CRM</i> 	
<i>Service Assurance</i>	<i>CRM</i>	<i>Mobile Services</i>
 	 <i>Revenue Assurance</i> 	
		<i>Internet Services</i>
		<i>Voice & Video services</i>
<i>IP Infrastructures</i>		

Integrate agile and robust solutions

Concerning new technologies and innovative service offerings, Bull takes into account today's market requirements: the convergence of services (Triple and Quadruple Play) and the integration in the existing Information System, i.e. billing, mediation, provisioning and Customer Relationship Management. Moreover, Bull is able to implement the network infrastructure to support the new services.

VoIP solutions, with Triple & Quadruple Play offerings and convergent messaging services

Bull has developed for a mobile operator the IP services platform for residential and corporate customers. In addition to Voice over IP functions provided by the Thomson Cirpack softswitch, it delivers IP Centrex services to SME and Self Care applications. Bull has integrated the new platform in the existing Information System, including provisioning management, CDR collect, security and Customer Care. Bull has put in place a virtual and unified messaging solution, based on Streamwide, allowing a user (or a group of users) to access a unique mail from a fixed or mobile line. The solution supports audio and 3G video streams, and offers a 3-Tier native IP messaging, based on open and standard interfaces.

Convergent solutions, in line with new Telco IS strategies

Bull has implemented a **convergent mediation solution** for fixed and mobile networks (GSM, GPRS, UMTS), including management of IP services such as xDSL, Video on Demand, Voice over IP. Based on Bull Escala servers, this solution is currently operational by fixed and mobile operators, able to manage up to 1 billion Call Detail Records (CDR) a day. It supports a wide range of network equipment and CDR formats, and interfaces both in real time and batch the network equipment and Information System applications. The solution provides active mediation functions for different applications such as content delivery (Video on Demand), post-paid supervision and pre-paid management (hot billing).

Bull has implemented for several affiliates of an integrated mobile operator the **Service Quality Management** solution from Telcordia. It optimizes the efficiency of the operation teams, takes into account the increasing complexity of the environment and ensures an optimum level of service, interfacing the different applications: Link Voice and Data, Telemetry, Blackberry, MMS, service platform for corporate, private SMS servers, 3G VideoMail, Video-Telephony. Moreover, Bull has delivered on a Bull Novascale server, a **common and unified Address Book solution**. It is supported by an integrated infrastructure and interfaces the existing services. The solution is based on the PIM solution from Voxmobili, with One-click checking and SyncML synchronization. It supports multiple presentations: WAP, PDA, VoiceXML.

Contact

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**Bull, chosen
by demanding
operators**



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