

Architect > of an Open World

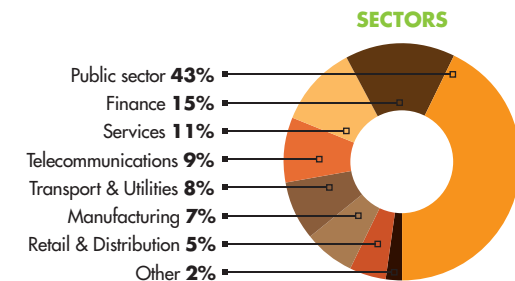
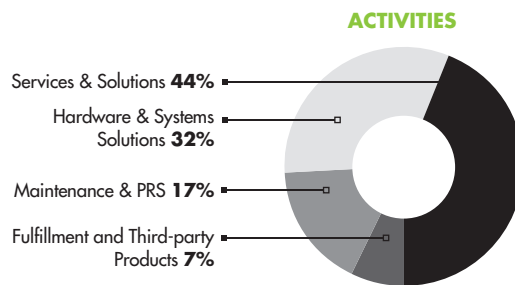
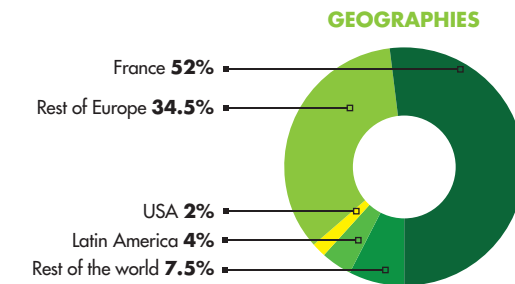
As the only European player to cover the whole of the IT value chain, Bull is ideally placed to help its customers build value-creating information systems. In an open and fast-changing world, Bull helps companies and administrations to liberate themselves from technological shackles, enabling them to radically gear up their innovative capabilities.

In its relentless quest for safe, cost effective, sustainable, open critical infrastructures, Bull cultivates cutting-edge know-how, teams up with top-tier partners, and develops a broad, powerful and modular range of products and services.

By consistently offering customers the fruit of innovative, purpose-designed, high-performance ideas, Bull has earned worldwide recognition and enjoys a leading position in Europe.

>> 2009 Highlights

Revenue breakdown



> Revenue
€ 1,110 M

> Employees
7,707
(8,600 with Amesys)

> EBIT
€ 27.6 M

> Net cash
€ 285 M

> Shareholders equity
€ 97 M

> Shareholders

Crescendo Industries	20%
France Telecom	8%
NEC	2%
Float	70%

Building > tomorrow's digital world

Turning information systems into growth levers

The digital and globalization revolutions engender a world of opportunity, a hyper connected world in which human-machine interaction will open extraordinary capabilities of limitless scope. To seize emerging potential and stay competitive, companies must take a new, dynamic, approach to their information systems, seeing them as **high added-value growth levers** rather than mere productivity tools.

Bull harnesses extensive expertise across the whole of the business technology value chain, from signal processing to data analysis, from infrastructures to applications. Bull is the only European digital technologies player to develop a customized full-spectrum approach with a strong emphasis on purpose-built business solutions. A broad portfolio of major international projects successfully delivered illustrates Bull's ability to develop **innovative ideas**.

Bull's offerings respond to the strategic priorities of tomorrow's world: effectively combining computing power and energy consumption, innovation and cost optimization, performance and ease of use, mobility and security, confidentiality and accessibility. Modern companies need this kind of balance if they are to build sturdily for future success.

Acting as a responsible player

Architect of an Open World goes hand in hand with a strong commitment on social and environmental issues, from three main standpoints:

■ CORPORATE RESPONSIBILITY

Bull is committed to specific initiatives on lowering energy consumption and shrinking its carbon footprint across its business operations, starting with its data centers. It implements a responsible purchasing policy that encourages suppliers and partners to push ahead with progress on sustainable development. And it places a strong emphasis on personnel career development.

■ ENVIRONMENTAL RESPONSIBILITY

Bull's outlook on environmental responsibility is exemplified by its Bio Data Center™ concept for the environmentally sound data centers of the future. Through audit services on energy, infrastructure optimization and outsourcing services, Bull helps its customers in their quest for responsible data center operation. And Bull invests solidly in green technologies.

■ SOCIAL RESPONSIBILITY

As an Open Source pioneer, Bull makes an active contribution to developing accessibility to new information and communication technologies, and to narrowing the digital divide. Development of online services works in favor of both citizen information and carbon footprint reduction. And through its leadership in Extreme Computing, Bull champions green innovations (such as energy optimization and prospecting) in the aerospace, automotive and oil industries, and in climate research.

>> In 2004, Bull obtained formal ISO certification for its integrated QSE (Quality, Safety, and Environment) quality management system, first introduced in the nineties.

Proposing

> new ideas tailored for business technology

Bull's five core offerings share an innovation-oriented strategy that is geared to helping organizations take up tomorrow's challenges today.

Extreme Computing >> Boundless innovation

Extreme Computing benefits from Europe's most extensive network of dedicated skills, with **bullx™**, Bull's **new generation of powerful, ultra-dense and environment-friendly supercomputers**. As well as boasting power ratings from teraflops through to petaflops, these machines are **highly scalable** and readily adaptable, from a single-site design office to a world-scale HPC center. From aeronautics to multimedia, from the oil industry to climatology, from astrophysics to medicine: winning 200 customers in 15 countries in just five years confirms this unique expertise in digital simulation.



>> **BULLX, THE WORLD'S BEST SUPERCOMPUTER**
In late 2009, the authoritative US magazine HPCwire named bullx as the best supercomputer in the world. And its readers' poll ranked bullx among the "top five new products or technologies to watch" in 2010.

Data Centers >> Creating environment-friendly data centers



Information technologies account for close to 2% of CO₂ emissions worldwide. Bull's Bio Data Center, featuring novascale bullion™ or Escala™ servers, or mobull™ containers, and implemented by its specialist infrastructure services teams, takes **a pioneering step forward on performance/energy optimization**. This new concept is rooted in three major principles: minimum energy consumption and carbon footprint; optimized topology for power and flexibility; and high service levels through process control and heterogeneity management. The Bio Data Center thus combines performance, flexibility and ecology-consciousness. Harnessed with StoreVWay™ intelligent storage

solutions, it enables companies **to get the best out of their information capital**.



Outsourcing >> Blending power and flexibility for tomorrow's cloud computing

As their business and IT strategies become increasingly interlinked, companies and public bodies face daunting new challenges in technology, budget, environment and security. Bull responds **with purpose-designed hosting, operating and outsourcing solutions** (certified to the ISO 27001 security standard), implementing state-of-the-art data centers in Europe and the USA. Bull provides a global critical-hosting offering, ranging from design of high-availability architectures through to round-the-clock operation and implementation of security policies. Bull's **cloud computing** offer comes with one of the outsourcing market's highest security levels, backed by a high-performance, scalable multi-operator network.

Business applications

>> Revolutionizing development via collaborative work



Bull is revolutionizing application development with Virtual Shore™, which combines **the flexibility of a collaborative approach** with **the productivity of the NovaForge™** software development platform, plus all **the advantages of Open Source software**, to offer a better, faster, cost-controlled response to shifting operational needs. With its extensive multi-sector expertise, Bull has a very broad scope, addressing administrations (modernizing public services and serving local government dynamism), telcos

(development of innovative services), financial institutions (transactions security), industry & research (development of innovative, ecological products), postal services (automated mail handling), etc.

Security systems

>> Achieving a new European leadership

With its recent acquisition of **Amesys, European leader in high security systems**, Bull is extending its expertise to engineering of large-scale real-time signal processing systems. Upstream processing opportunities open up the way to innovative applications in security and mission-critical systems across many sectors: homeland and network security, defense, telecoms, aeronautics, transport and logistics, energy, healthcare, the environment...

With **IS security an absolute priority**, Bull proposes top-tier solutions and services in fields including operation continuity, disaster recovery, network security, identity & access management, transaction security, security administration and cryptography. And to address the growing need for mobile security, Bull invented **globull™, the world's most reliable mobility platform**.



>> EUROPE'S LEADING OPEN SOLUTIONS INTEGRATOR

Compliance with standards is a cornerstone of Bull's strategy and offering, from servers to storage, from Extreme Computing to security. And Bull engages readily in partnerships and cooperative R&D with leading-name organizations such as Intel, IBM, EMC, NetApp, JBoss, Microsoft, Novell, Oracle, OW2, Red Hat, and SAP.

A step-change innovator in an open world

With a long history of innovation, Bull's R&D labs are building tomorrow's open, flexible, secure and environment-friendly information systems across Europe, America, Asia and Africa.

- >2002 Foundation of the first worldwide consortium for Open Source middleware
- >2003 First open multi-environment server
- >2004 First individual defense-level encryption key
- >2005 First supercomputer in the Top 500, no.1 in Europe and no.5 worldwide
- >2006 First industrial-level Open Source software forge
- >2007 First in-flight mobile services
- >2008 globull, the world's most secure mobile computing platform
- >2009 bullx, latest generation of environmentally sustainable supercomputers, voted best in the world
- >2009 mobull, the plug and boot container that revolutionizes the data center
- >2010 First European petaflop supercomputer

As 'Architect of an Open World', Bull is committed to helping the most demanding of public and private organizations to grow in an open world with absolute confidence, while respecting the environment.

PUBLIC SECTOR AIFE (French State Financial IT Agency) - ANTS (French Agency for Secure Identity Documents) - Barnsley Metropolitan Borough Council - BPS (Banco de Previsión Social del Uruguay) - Charleroi - DGME - European Union - French Navy - Generalitat Valenciana - Grenoble - Hungarian Public Employment Services - IGAE (Intervención General de Administración del Estado) - Ile-de-France - Languedoc-Roussillon - Liège - Lyon - Marseille - Ministry of Defense in France - Ministries of Education in France, Morocco, Poland and Spain - Ministries of Employment and Social Security in Romania and Spain - Ministries of the Environment in the Czech Republic, Greece, and Romania - Ministries of Finance/Tax & Customs in Belgium, Croatia, Egypt, France, Gabon, Hungary, Ireland, Morocco, Poland, Romania, Saudi Arabia and Spain - Ministries of the Interior in Belgium (National Register), France, the Netherlands and Spain - Ministries of Justice in Argentina, Belgium and Holland - Montevideo - Nantes - National police forces in the Czech Republic and the Netherlands - New Caledonia, French Polynesia Hospital Centers - Nottingham - OEPM (Spanish Patent Office) - ONAFTS - Osakidetza (Basque Country health service) - Republic and State of Geneva - Rybnick - SERPRO (Brazilian federal IT service) - Social Security organizations in France (ACOSS, CNAF, CNAM, Médic Pôle emploi) - Seine-Maritime - States of Alabama, Maine, Michigan, New Jersey, Oklahoma and Tennessee, USA - Strasbourg

TELECOMMUNICATIONS Bouygues Telecom - Brazil Telecom - Chunghwa Telecom - Embratel - France Telecom - Neuf Cegetel - OnAir - OPT (New Caledonia) - Orange - Orascom - SFR - T-Com - Telecom Malagasy - Telefonica - Vivo - Wana - Zain

BANKING & INSURANCE Alex/Binck Bank - Amsterdam Trade Bank - Atijariwafabank - Aviva - AXA - Banco de la Republica Oriental del Uruguay - Banco de Sabadell - Banco do Brasil - Banco Popular - Banco Santander - Banque de France - Barmeria - BBVA - BCEAO - BNP Paribas - BRADES CO - Caisse d'Épargne - Caja Ahorro del Mediterraneo - Caja de Valores - Caja Madrid - Caser - Caixa Tarrasa - Crédit Agricole - Credit One Bank - Debeka - Dexia - ERSTE Bank - Gras Savoye - HSBC - KBC - MAIF - MAPFRE - MGEN - Mn Services - MSA - Santalucía - SE M Ltd (Coop Banks Cyprus) - Société Générale - SWIFT

TRANSPORT & UTILITIES AENA (Spanish airports) - Air Berlin - Amadeus - Areva - Argentinian Airport - Aguas de Barcelona - Czech air traffic control service - EDF - GDF Suez - Nukem - Petrobras - RATP - RENFE - SIBELGA - SNCF - Spedition Zufall - STEG (Tunisean Electricity and Gas Company) - SWDE (Walloon Water Company)

MANUFACTURING Alcan - ASM International - Bellisio Foods - Damen Shipyards - Dassault Aviation - DCNS (French naval defense systems) - EADS - Fagor Electrodomésticos - Fagor Ederlan - Freudenberg - Heineken - Herff Jones Inc. - Ilion Animation Studios - LVMH - Merck Liphra - Occitane - Pininfarina - Sanofi Aventis - Somfy - Sonaca - Total

RESEARCH & DEVELOPMENT CCRT - CEA - Forschungszentrum Jülich - Centro de Supercomputación de Cataluña - GENCI - Hellenic Open University - Institut Gustave Roussy - Institut Pasteur in Uruguay - Instituto de Ciencias del Cosmos de Barcelona - NRB (Network Research Belgium) - Universités de Bucarest, Cardiff, Cologne, Gand, Hanovre, Münster, Reims

POSTAL SERVICES Algérie Poste - Australia Post - Certinomis - Correos (Spanish Post Office) - La Poste - Barid Al-Maghrib/Morocco - Taiwan Post

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