

# **Global Cyber Security Market 2013-2023**

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## **Abstracts**

The proliferation of cyber attacks over the past decade has meant that many companies and government organisations are now fully aware of the dangers exposed to them through under-protected networks or from individual negligence. The growth of the internet has meant that cyber attacks represent a borderless challenge to security operators, who must now find solutions that are successful within the entire cyber domain rather than a specific tangible location. As a consequence, Visiongain has determined that the value of the global cyber security market in 2013 will reach \$68.34bn.

#### What makes this report unique?

Visiongain consulted widely with industry experts and full transcripts from these exclusive interviews with Lockheed Martin, IBM, QinetiQ, Tempest Security Intelligence, Lacoon Mobile Security and ICS8 are included in the report. As such, our reports have a unique blend of primary and secondary sources providing informed analysis. This methodology allows insight into the key drivers and restraints behind market dynamics and competitive developments, as well as identifying the technological issues. The report therefore presents an ideal balance of qualitative analysis combined with extensive quantitative data including global, submarket and regional markets forecasts from 2013-2023 - all identifying strategic business opportunities.

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Tempest Security Intelligence - A leading Brazilian cyber security operations provider.

Lacoon Mobile Security - A leading Israeli company providing security solutions for mobile computing.

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Japan

United Kingdom

Germany

France

Russia



Italy

India

Canada

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South Korea

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BAE Systems

Boeing Defense, Space and Security

Booz Allen Hamilton, Inc.

Computer Science Corporation (CSC)

EADS Group

General Dynamics Corporation

Harris Corporation

Hewlett Packard (HP) Company

**IBM** Corporation



Intel Corporation

L-3 Communications

Lockheed Martin Corporation

Northrop Grumman Corporation

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#### **COMPANIES LISTED**

ACS Advanced C4 Systems Inc. **Advanced Micro Devices** Airbus ALEX-AS, J.V. Anagran Apple Applied Visions, Inc ArcSight ARINC Assured Information Security, Inc Astrium AT&T ATR **AVAST Software AVG** Technologies **BAE Systems BAE Systems Australia BAE Systems Detica** BAE Systems Electronic Systems (ES) **BAE Systems India** BAE Systems Land & Armaments (L&A) **BAE Systems Maritime** BAE Systems Military Air & Information (MA&I) **BAE Systems Regional Aircraft BAE Systems Saudi Arabia BAE Systems Shared Services BAE Systems Support Solutions** 



Blue Screen IT Ltd Boeing Defense, Space and Security **Boeing Information Solutions** Boeing Network & Space Systems **Bombardier** Booz Allen Hamilton Inc. BreakingPoint Systems **British Gas** British Telecom (BT) Business Computers Management Consulting Group, LLC Business Integra Technology Solutions, Inc. CACI, Inc. Camber Corporation Cassidian CyberSecurity China Telecom Cisco Systems, Inc. CloudShield Technologies, Inc. Columbia University **Computer Science Corporation Corero Network Security Creative Computing Solutions** CrySyS Lab Cubic XD **Danaher Corporation Defense Systems Engineering & Support** Def-Logix **Dell Corporation** Detica Group plc **Detica NetReveal** Dynamic Network Enterprises, Inc. EADS Cassidian EADS Group El Al Israel Airlines Ltd **EMC** Corporation EmeSec Inc. ETI Eurocopter Exelis, Inc. Experian



Finmeccanica Foreground Security Fortify Software **F-Secure Corporation** Fujitsu Galois General Dynamics Advanced Information Systems **General Dynamics Corporation** Georgia Tech Research Corp Global Info Tek, Inc. Google Group-IB Gulfstream Harris Corporation Harris Government Communications Systems Harris Integrated Network Solutions Henggeler Computer Consultants, Inc. Hewlett Packard Corporation (HP) HighAction, LLC Honeywell, Inc. **HP Enterprise Business** HP Mobility Global Business **HP** Software HRL Laboratories, LLC Huawei Technologies Ltd i2 IBM Global Business Services (GBS) **IBM Global Financing** IBM Global Technology Services (GTS) IBM Integrated Supply Chain (ISC) **IBM Research IBM Software** ICL **IHI** Corporation Imagine One StraCon Venture, LLC In-Q-Tel Intel Corporation **IBM** Corporation International Computer Science Institute



ISC8, Inc. ISHPI Information Technologies, Inc. **ITT Advanced Engineering & Sciences Division** Ivincea **Jupiter Networks** Kaspersky Labs Kawasaki Heavy Industries Kestrel Technology, LLC **KEYW** Kratos Defense & Security Solutions, Inc. **KT** Corporation L-3 Communications L-3 Services, Inc. L-3 STRATIS Lacoon Mobile Security LETA Group LGS Innovations LiveOffice Lockheed Martin Aeronautics Lockheed Martin Corporation Lockheed Martin Electronic Systems (ES) Lockheed Martin Information Systems & Global Solutions (IS&GS) Lockheed Martin Space Systems Lockheed Martin's Information Systems & Global Solutions Division M5 Network Security Pty Ltd MacAuley-Brown ManTech International Corporation MasterCard McAfee Inc. **MEI** Technologies Merit Network Inc MHI Microsoft Corporation Mitsubishi Heavy Industries National Agricultural Cooperatives Federation (Nonghyup) NetApp, Inc. Netasq **NetWitness Corporation** Network Security Systems Plus, Inc.



New York Times Northrop Grumman Corporation Northrop Grumman Information Systems Norton Nukona Nutrisystem, Inc. **Oculis Labs Odyssey Software Pikewerks Corporation** Q1 Labs **Qinetiq Group Plc QinetiQ North America** Radiance Technologies, Inc. **Raytheon BBN Technologies Raytheon Company** Raytheon Company Cyber Security Solutions Raytheon Company Intelligence & Information Systems **RLM** Communications, Inc. **Rockwell Collins** RSA Safenet SAIC Defense Solutions Group (DSG) SAIC Health, Energy and Civil Solutions Group (HECSG) SAIC Intelligence, Surveillance, and Reconnaissance Group (ISRG) SAIC, Inc. Salient Federal Solutions (SFS) Schneider Electric Sentek Consulting, Inc. Serco Skolkovo Foundation Skype SMSi Sojitz Corporation Sony7 Sotera Defense Solutions, Inc. (prev. Global Defence Technologies & Systems Inc. ) Sparta Inc. **Spirent Communications** SRA International, Inc. Stratavia



Strategic Operational Solutions, Inc. stratsec.net Sukhoi Symantec Corporation Symantec Corporation Consumer Business Symantec Corporation Enterprise Products and Services Symantec Corporation Enterprise Security Symantec Corporation Information Management Symantec Corporation SMB and Symantec.cloud Taia Global, Inc. Telecommunications Systems Inc (TCS) Teligy **Tempest Security Intelligence Thales Aerospace** Thales Alenia Space Thales Communications & Security (C&S) Thales Defence Thales Group The Boeing Company The Economist The Guardian The Washington Post **TISTA Science and Technology Corp** Trustwave Verizon Communications, Inc. Vertica Systems VMWare, Inc. WIJET, LLC YouTube **ZTE** Corporation

## GOVERNMENT AGENCIES AND OTHER ORGANISATIONS MENTIONED IN THIS REPORT

American Civil Liberties Union (ACLU) Anonymous Australian Attorney-General's Department Australian Cyber Security Operations Centre (CSOC) Australian Defence Force



- Australian Defence Intelligence Organisation
- Australian Defence Science and Technology Organisation (DSTO)
- Australian Defence Signals Directorate (DSD)
- Australian Department of Broadband, Communications, and the Digital Economy
- Australian Department of Defence
- Australian Federal Police
- Australian Government
- Australian Government Information Management Office (AGIMO)
- Australian Secret Intelligence Service (ASIS)
- Australian Security Intelligence Organisation
- Brazilian Air Force
- **Brazilian Armed Forces**
- Brazilian Army
- Brazilian Army's Cyber Defence Centre
- Brazilian CBCyber
- Brazilian Federation of Banks (Febraban)
- Brazilian National Computer Emergency Response Team (CERT)
- Brazilian Navy
- Brazilian Stock Exchange
- **Bristol Security Centre**
- **Bristol University**
- British Broadcasting Corporation (BBC)
- Canadian Communications Security Establishment
- Canadian Cyber Incident Response Centre
- Canadian Department of Public Safety and Emergency Preparedness
- Chinese People's Liberation Army (PLA)
- Columbia University
- Cyber Security Research Alliance (CRSA)
- Danish Defence Ministry
- Danish Forsvarets Efterretningstjeneste
- Danish Parliament
- Def-Logix
- East West Institute
- Electronic Frontier Foundation (EFF)
- European Commission (EC)
- European Council/EU
- European Network and Information Security Agency (ENISA)
- **European Union Committee**
- EUROPOL



Executive Office US Attorneys (EOUSA) Foreign Ministry, People's Republic of China French Agence nationale de la s?curit? des syst?mes d'information (ANSSI) French Commission Nationale de l'informatique et des Libert?s (National Data Protection Authority) French Defense Ministry French Navy French Senate Committee on Foreign Affairs, Defence & Armed Forces G8 (Group of Eight) George Mason University German Bundeswehr German Customs Criminological Office German Federal commissioner for Date Protection and Freedom of Information German Federal Criminal Police Office German Federal Criminal Post Office German Federal Intelligence Service German Federal Ministry for Economics and Technology German Federal Ministry of the Interior German Federal Network Agency for Gas, Telecommunications, Post and Railway German Federal Office for Information Security German Federal Office for Information Technology German Federal Office for the Protection of the Constitution German Federal Office of Civil Protection and Disaster Assistance **German Federal Police** German Nationaler Cyber-Sicherheitsrat (NCS, Cyber Security Council) German Nationales Cyber-Abwehrzentrum (NCAZ, National Cyber Response Centre) IBM Institute for Advanced Security ICT KTN Indian Armed Forces Indian CERT (Computer Emergency Response Team) Indian Defence Intelligence Agency (DIA) Indian Defence Research and Development Organisation (DRDO) Indian Government Indian Joint Working Group (JWG) on Cyber Security Indian Minister of State for Communications and Information Technology Indian Ministry of Communication and Information Technology (MCIT) Indian Ministry of Human Resource Development (MHRD) Indian National Association of Software Services Companies Indian National Security Council Secretariat (NSCS)



Indian National Technical Research Organisation (NTRO) Indian Navy (IN) Indonesian Communications and Information Ministry Information Security Institute, Moscow State University International Security Assistance Force (ISAF) ISA Security Compliance Institute Israeli Air Force (IAF) Israeli Cabinet Israeli Defence Force (IDF) Israeli Ministry of Defence Directorate for Research and Development Israeli National Cyber Bureau Israeli National Cyber Committee Israeli National Cyber Directorate (NCD) Israeli Science and Technology Ministry Israeli Security Agency Japan Information Security Audit Association (JASA) Japan Information-Technology Promotion Agency Japan Network Security Association (JNSA) Japanese Defence Ministry Japanese Information Security Policy Council Japanese Internal Affairs and Communications Ministry Japanese Ministry of Economy, Trade and Industry (METI) Japanese SDF Command, Control, Communication, & Computers Systems Command (C4SC) Japanese Self-Defence Force (JSDF) Kansas State University (KSU) Korea Communications Commission (KCC) Korea Information Security Industry Association (KISIA) Korean National Cyber Security Centre Korean National Intelligence Service Kuwait Ministry of Commerce and Industry Lancaster University Queen's University Belfast LM Cyber Security Alliance LulzSec MAHER Center of Iranian National Computer Emergency Response Team Morgridge Institute for Research Mossad National Computer Network Emergency Response Coordination Centre of China



NATO (North Atlantic Treaty Organisation) Naval Postgraduate School North Atlantic Treaty Organisation (NATO) Oak Ridge National Laboratory OECD (Organisation for Economic Co-operation and Development) OSCE (Organisation for Security and Co-operation in Europe) Pacific NW National Laboratory Purdue University Royal United Services Institute (RUSI) Russian - Bulgarian Joint working Group on Information Society and Communication **Technologies** Russian Federal Security Service (FSB) Russian Federal Service for Technical and Export Control (FSTEC) **Russian Security Council** Rutgers University - New Brunswick Campus Security and Defence Agenda Security and Defence Agenda Think Tank Shanghai Cooperation Organisation (SCO) Singapore Info-communications Technology Security Authority (SITSA) Singaporean National Cyber Security Centre (NCSC) South Africa Cabinet South Africa State Security Agency (SSA) Tel Aviv Stock Exchange Thailand National Cyber Security Policy Committee The Boeing Cyber Engagement Center (CEC) The Trustees of Princeton University The University of Alabama at Birmingham The University of North Carolina at Chapel Hill **Trustees of Dartmouth College** Trustees of Indiana University **UK Cabinet Office UK Cyber Security Evaluation Centre** UK Defence Industrial Base (DIB) UK Department for Business, Innovation and Skills (BIS) UK Engineering and Physical Sciences Research Council (EPSRC) UK Foreign and Commonwealth Office (FCO) UK GCHQ (Government Communications Headquarters) **UK Home Office** UK Ministry of Defence (MOD)





- UK Ministry of Justice (MOJ)
- **UK Public Services Network**
- UK Royal Air Force (RAF)
- UN (United Nations)
- United Nations (UN)
- Universiti Malaya (UM)
- University of Arizona
- University of California, San Diego
- University of Illinois at Urbana-Champaign
- University of Lancaster
- University of Maryland
- University of Minnesota
- University of Southern California Information Sciences Institute
- University of Texas
- US 1st Information Operations Command (Land) (1st IO (Land))
- US 780th Military Intelligence Brigade
- US 9th Army Signal Command (NETCOM/9th SC)
- US Air Force
- US Air Force Cyber Command (AFCYBER)
- US Air Force Medical Services (AFMS)
- US Air Force Office of Special Investigations (AFOSI)
- US Air Force Research Laboratory (AFRL)
- US Antarctic Program (USAP)
- US Army
- US Army Forces Cyber Command (ARCYBER)
- US Army Intelligence and Security Command (INSCOM)
- US Army Network Enterprise Technology Command (NETCOM)
- US Army Research Laboratory (ARL)
- US Centers for Medicare & Medicaid Services (CMS)
- US Central Intelligence Agency (CIA)
- US Chamber of Commerce
- US Coast Guard
- US Commonwealth of Massachusetts' Executive Office of Health and Human Services
- US Computer Emergency Readiness Team
- **US Congress**

US CYBERCOM

- US Defense Advanced Research Projects Agency (DARPA)
- US Defense Industrial Base (DIB)
- US Defense Information Systems Agency (DISA)



- US Defense Intelligence Agency (DIA)
- US Department for Homeland Security (DHS)
- US Department of Defense (DOD)
- US Department of Homeland Security Science and Technology Directorate (DHS S&T)
- US Department of Justice (DOJ)
- US Department of Justice's Bureau of Alcohol, Tobacco, Firearms and Explosives

(ATF)

- US Department of State
- US Department of State's Bureau of Diplomatic Security
- US Department of Transportation's Research and Innovative Technology Administration
- US DHS S&T Cyber Security Division (CSD)
- US DOD Defense Industrial Base (DIB) Cyber Security Task Force
- US DOD Manpower Data Centre (DMDC)
- US Federal Bureau of Investigation (FBI)
- US Federal Government
- US Fleet Cyber Command (FLTCYBERCOM)
- US General Accountability Office (GAO)
- US House Intelligence Committee
- US House of Representatives
- US Joint Operations Center of the Integrated Cyber Center
- US Marine Corps Cryptologic Support Battalion's (MCSB)
- US Marine Corps Cyberspace Command (MARFORCYBER)
- US Marine Corps Network Operations Security Center (MCNOSC)
- US Marshals Service (USMS)
- US National Cyber Response Co-ordination Group (NCRCG)
- US National Cyber Security and Communications Integration Center
- US National Cyber Security Center
- US National Cyber Security Division
- US National Institutes of Health Information Technology Acquisition and Assessment Center (NITAAC)
- US National Protection and Programs Directorate (NPPD)
- US National Security Agency (NSA)
- US Naval Academy
- US Naval Information Operation Commands (NIOC)
- US Naval Network Warfare Command (NNWC)
- US Naval Supply Systems Command (NAVSUP) Fleet Logistics Center
- US Navy Cyber Defense Operations Command (NCDOC)
- US NSTIC (National Strategies on Trusted Identities in Cyberspace)
- US Office of Cyber Security and Communications (CS&C)



- US Office of the Chief Information Officer
- US Office of the Chief Information Officer's Information Assurance Division
- **US** Pentagon
- US Pentagon's Cyber Crime Center
- **US Secret Service**
- US Securities and Exchange Commission (SEC)
- US Senate
- US Space and Naval Warfare Systems Center (SSC)
- US Special Operations Command (SOCOM)
- US Transportation Security Administration (TSA)
- US-China Economic and Security Review Commission

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