

Bespoke Security Architecture™ is an innovative approach to security based on the Digital Risk Management methodology pioneered at **mi2g**. BSA won the Queen's Award for Enterprise in Innovation for 2003. BSA methodology provides a comprehensive security solution, which brings together firewalls, other defensive structures, and automated intelligence techniques with legal, insurance, human resource and company policies. The underlying tools consist of five components:

- **DRM** – The Digital Risk Matrix™ visualises the risk associated with integrated digital solutions in a unique way and allows risk interpretation by decision makers without any requirement for scientific or technical expertise.
- **CCR** – Contingency Capability Radar™ is an ISO 17799 based platform, containing tools and templates to assess and visualize business continuity risk of an entire group comprising discrete profit centers and stand alone enterprises. It can be used online.
- **SIPS** – Security Intelligence Products and Systems Database™ is the world's largest hacker attack, malware and economic damage database cited by the Federal Bureau of Investigation (FBI) Computer Crime Survey and the Computer Security Institute. SIPS has current intelligence on over 7,500 hacker groups and maintains a record of over 240,000 individual hacking events since 1995.
- **eDFi** - The electronic Data Fort Initiative™ is the platform that delivers D2 Banking, a secure digital banking and data vaulting service, which allows users to access their critical personal and business information anywhere and at anytime via hand held devices, the internet and interactive digital television.
- **KMODS** - The Knowledge Management and Objects Database System™ has been designed for configuration management in the event of a major emergency where human and material assets are irrecoverably scattered over a large area and severe loss of life has occurred.

A brief history of the origin and development

In 1995, **mi2g**'s founder DK Matai, was reading for his PhD at Imperial College and developed the idea of "The Creation and Protection of Wealth" as part of his PhD simulations and software models. By late 1996, some of the early experimental communities called "Lounges" got hacked on a couple of occasions and it was important to migrate them to secure platforms that could remain functional on a 24/7 basis without being tampered with. This in essence was the origin of the Bespoke Security Architecture range of tools and products, which extended beyond online protection components such as firewalls or anti-virus toolkits touted by security product vendors. Bespoke Security Architecture (BSA) tools evolved from BSA's Digital Risk

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D2-Banking™ • Bespoke Security Architecture™ • Digital Risk Management

Directors D K Matai (Chairman & CEO) Geoffrey F Hancock Rear Admiral John M T Hilton

Senior Consultants Sir Terence Clark John Flynn Dr Tim Forse Anthony Harris Willy Hersberger Robin Jackson
Dr Peter Madden Oliver Miles Dr Simon Shepherd



Management methodology encompassing technology, people, legal, business interruption and insurance areas.

The challenges prior to the innovation

Before **mi2g**'s Bespoke Security Architecture innovation, digital security was looked at as a component shopping exercise, ie, buy enough components and the protection will automatically emerge.

At the request of Lloyd's of London syndicates and brokers, **mi2g** began to look at digital security from a classic "Risk Management" perspective early on. We classified digital risk into the now famous Digital Risk Management Methodology (DRMM), which for the very first time visualised risk so that even a non-technical senior person, such as, the Chairman or CEO of a large corporation may be able to understand how digital risk was manifest across his organisation and how it could be controlled by the use of Bespoke Security Architecture tools.

How these challenges have been overcome

mi2g's Bespoke Security Architecture (BSA) has turned digital risk management into a scientific and measurable discipline rather than leave it as a black box component shopping exercise. The specific difficulties that BSA has surmounted include:

- Looking at digital risk mitigation not just from a technology perspective but also from a humanistic, legal and insurance perspective (DRMM Component)
- Developing a solution that can be understood by senior executives without technical expertise (DRM Component)
- Taking care of tangible aspects which influence business continuity (CCR Component)
- Quantifying and qualifying the digital threat in real time since 1995 via the world's largest hacker database (SIPS Component)
- Developing a mechanism to monitor the precise configuration of assets in the event of a disaster (KMODS Component)
- Centralising the creation of a vault methodology that can simultaneously store personal information, data and financial access securely (eDFi Component) and give global access to customers via mobile telephony, the internet or digital TV.

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Details of added value to our customers

- **Budgeting** – Previously when a client had GBP 5 Million to spend on digital security they would spend portions thereof on anti-virus tool kits, intrusion detection systems or firewalls without being able to scientifically analyse how much should be spent on which area. Often areas such as refining legal contracts or personnel policy and training would be ignored or simply paid lip service to. Bespoke Security Architecture's scientific approach ensures that the precise amount of the GBP 5 Million that should be spent on technology, personnel issues, legal clear up and insurance policy acquisition can be determined more accurately. It also helped **mi2g** to direct resources along very specific areas. A lot of wastage and duplication was avoided. **mi2g** was able to carry out more targeted work efficiently with less personnel.
- **Cost cutting and Time saving** – The management time wasted in dealing with breaches of policy regarding the abuse of system resources was significantly reduced. This directly impacted on reducing the time lost in dealing with personnel problems and legal recourse. By bringing technological innovation in monitoring and surveillance, overall downtime cost was cut. The same policies were adopted by **mi2g** internally and achieved a similar level of efficiency.
- **Enterprise Relationship Management** – Our clients were more aware of their stakeholders' contribution to adding value and increasing risk. The stakeholders' being customers, shareholders, employees and suppliers of any profit centre. The **mi2g** bespoke security architecture profiles the risk associated with all four categories and looks at in-house, downstream and upstream liabilities and risks. This helps to increase the management efficiency of disparate business processes by streamlining the interface points and response times.

Ordering Bespoke Security Architecture

If you would like to have Bespoke Security Architecture designed for your enterprise the next step is a phone call to the **mi2g** Intelligence Unit to have an exploratory meeting.

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