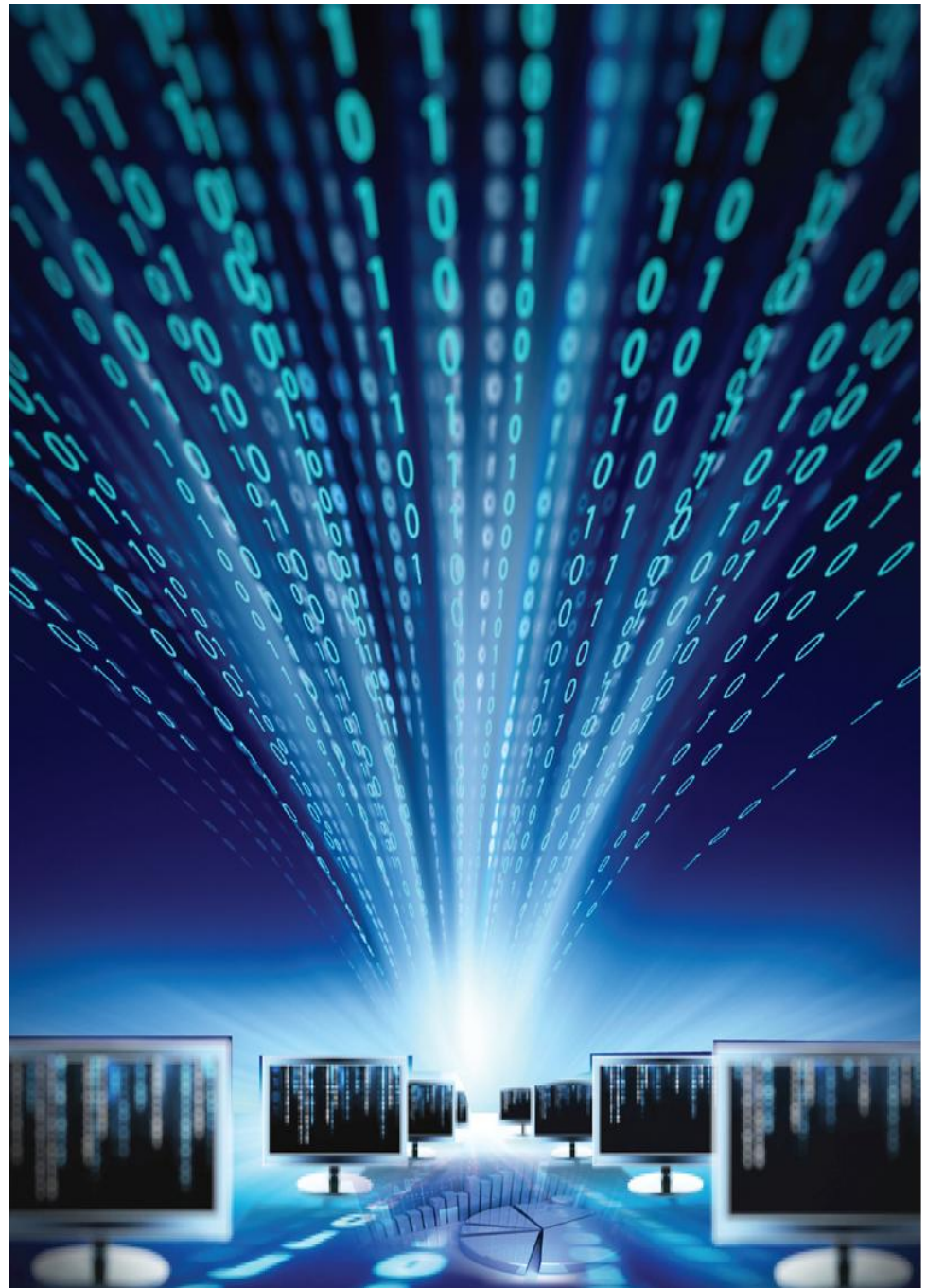# INFORMATION TECHNOLOGY SOLUTIONS AND CONSULTING

**IT SOLUTIONS
&
IT CONSULTING**

**ASCELLON
www.ascellon.ng
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About Ascellon

Welcome to Ascellon Nigeria, an affiliate of **Ascellon Corporation**, a United States of America firm founded in 1996. For over 18 years we have maintained an international reputation for superior performance in Information Technology (IT) and Management Consulting. We specialize in innovative **enterprise solutions** that address the unique challenges of our clients. Our Quality Management System is ISO 9001:2008 Registered. We provide comprehensive professional services for organizations of all sizes focusing on enterprise IT infrastructure, IT portfolio management, technology integration, security and workflow management.

We have partnerships with industry leaders to provide best-in-class technology solutions required by our clients. Our partnership network includes Microsoft, HP, IBM, CISCO and others.

Through our affiliations and partnerships, Ascellon is able to fast-track projects, reduce risk and apply best practices so our clients can see excellent results, faster. Our clients include public and private companies, government agencies and non-profits. We have developed a reputation for delivering quality results on time and within budget.

Software Design, Development and Implementation

Our services include data design, data conversion, computer programming, testing and validation, and documentation. We have experience deploying web-based systems and back-end processing applications.

Independent Verification & Validation (IV&V)

Ascellon's IV&V practice is based on a rigorous independent process that evaluates the correctness and quality of a project's business product to ensure that it is being developed in accordance with client's requirements and meets acceptable engineering standards.

Cyber Security Services

Ascellon provides a full range of cyber security services designed for a wide range of government and commercial organizations. We utilize Risk-Based Security Management (RBSM) techniques to provide results that enable the enterprise to make investments for their security programs.

Internal Network Security Assessments & Remote Penetration Testing

Our Internal Security Assessment evaluates your network and operations risk. We conduct risk evaluation of network environments including wireless, mobile, and Cloud infrastructures.

Technology Strategy and Enterprise Planning

Ascellon supports the full life cycle of IT Strategy and Planning with a broad range of services that include IT Portfolio Management (IT PM), Enterprise Architecture (EA), IT Infrastructure Design and Planning, Business Process Management (BPM), and Data Flow Modeling.

IT Portfolio Management

Our Data Center Analysis and Support services help organizations optimize their investments in existing IT infrastructure and data centers. Our expert services include Consolidation, Virtualization, Cloud Computing analysis, and architecture design and implementation.

Workflow Management Systems

Ascellon's leading workflow management and enterprise resources planning consulting services empowers our clients to configure the best automated solutions for all facets of enterprise workflow management.

Information Technology Governance

Ascellon's IT Governance practice gives organizations the tools and methodologies to measure how the IT investment supports the organization's overall business strategies. We can assist clients in facing challenges on how to institute structures around the organizational alignment of IT strategy with business strategy.

Our Experience

For almost two decades, we have served and still serve many clients in industry sectors ranging from financial services, mortgage banking, national defense, health care, manufacturing and more. Some of our premier clients are listed below:

- United States Department of Health and Human Services
- United States Navy
- United States Army National Guard
- The National Aeronautics and Space Agency (NASA)
- U.S Social Security Administration
- United States Department of Treasury
- United States Department of Veterans Affairs
- Federal Home Loan Mortgage Company
- Centers for Medicare and Medicaid Services
- District of Columbia Government
- Maryland Business Development Agency
- Maryland Department of Human Resources
- Maryland Retirement Agency
- State of West Virginia
- State of North Carolina
- The United State Coast Guard

- Hewlett Packard (HP)

- Bank of America

- Washington Department of Transportation

- Xerox Company

- Health Management Systems

- CALIBRE Systems International

- SRA Systems International

- General Electric (GE)

- Maximus

- Washington Suburban Sanitary Commission

For additional information or to request proposals for specific projects, please contact us at info@ascellon.com or call our Abuja office at 09-921-0900.

MANAGED IT SERVICES

MANAGED IT SERVICES
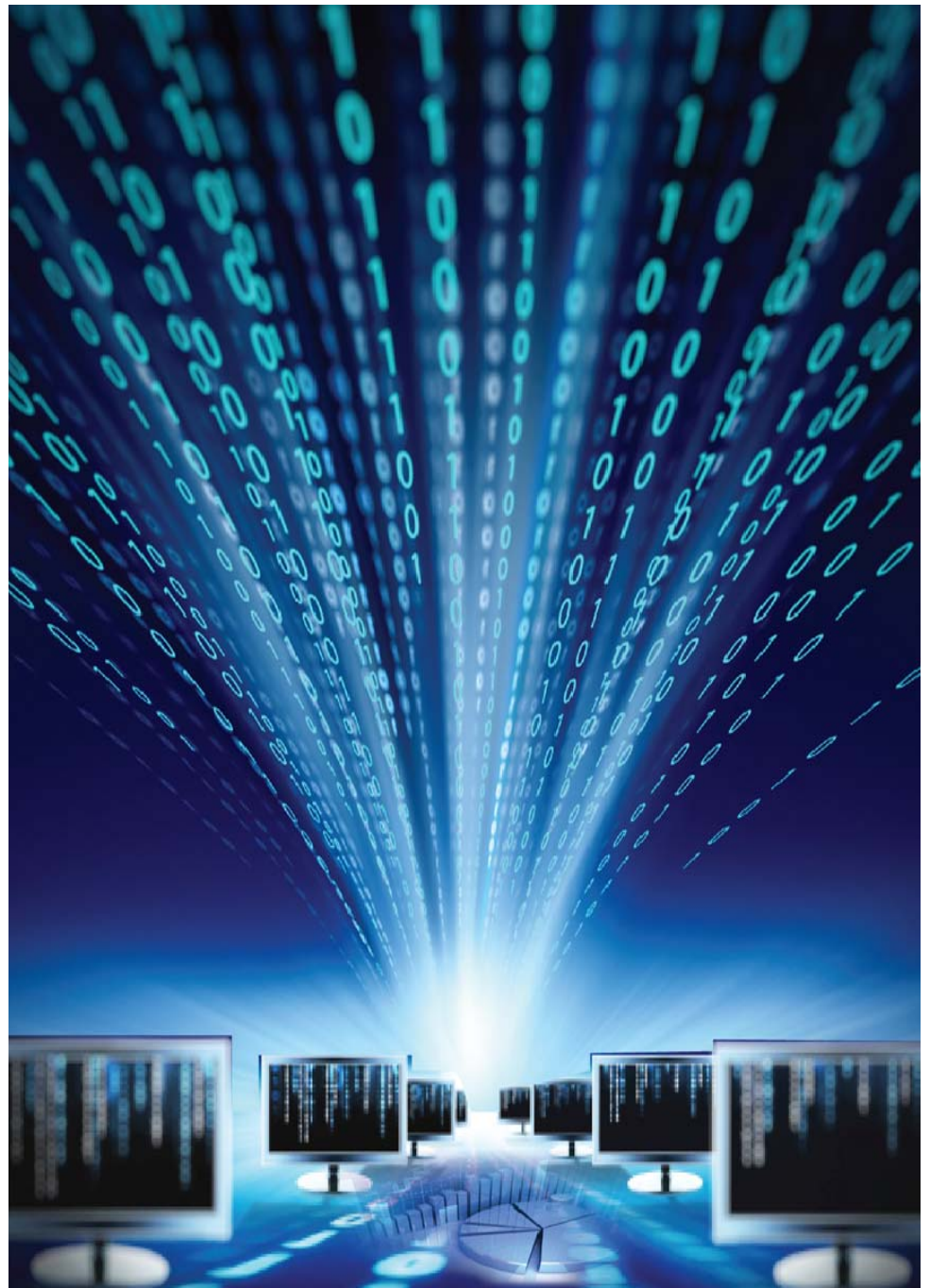
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MANAGED IT SERVICES

Ascellon's Managed IT Services empowers your organization through our trusted services. Our goal is to provide you with the best possible support at an affordable price. All Ascellon's services and processes meet today's high standards for excellence, accountability and cost-efficiency by combining experienced and certified IT engineers and technical staff with our internationally recognized ISO 9001:2008 Quality Management System.

No matter what your technology needs are we can help. From IT help desk support, regulatory compliance and on-demand access to your business data, to cloud computing and fully managed IT support, you can rely on us to:

- Eliminate the burden of routine IT management
- Optimize efficiencies of your staff
- Maintain data availability for critical applications
- Enhance network security and compliance
- Manage data backup and disaster recovery
- And much more!

With Ascellon Managed IT Services, you can "grow as you go." This means you have the flexibility to start with the managed IT services that make the most sense for your organization, and then grow with us as your needs grow.

We manage, maintain and support your entire IT infrastructure, whether your equipment is at your location or other data centers. We also offer a hybrid approach – we can host some of your servers (or other equipment) in our data centers while we manage other equipment at your location.

Basic Services

- Proactively manage and monitor laptops, desktops, servers and networks
- Install, manage, and update virus, spam and spyware/malware protection software (security)
- Install and manage software updates and patches
- Back up servers and workstations
- Install and manage firewalls
- Provide anywhere access to your email
- Provide 24/7/365 customer support via Ascellon's **Customer Care Center.**
- Provide inventory control, asset management, and license management
- Provide disaster management and planning
- Provide you with a **Customer Advocate** to make sure your issues and concerns with technology and telecommunications vendors are addressed
- Email hosting that include mobile email; email archiving; and email encryption.

Optional Services

Audio /Video Conferencing – We offer one-stop hosting services to connect all your locations virtually for high quality voice and video conferencing. We provide the equipment and services that allow you to seamlessly communicate across departments and locations for meetings and events.

VPN and VOIP Services – We provide Virtual Private Network (VPN) and Voice Over IP (VOIP) services that include hosting and management in a highly secure cloud environment. We can install and manage the systems at your facility or we can host it for you.

DATA ANALYTICS SERVICES

DATA ANALYTICS SERVICES

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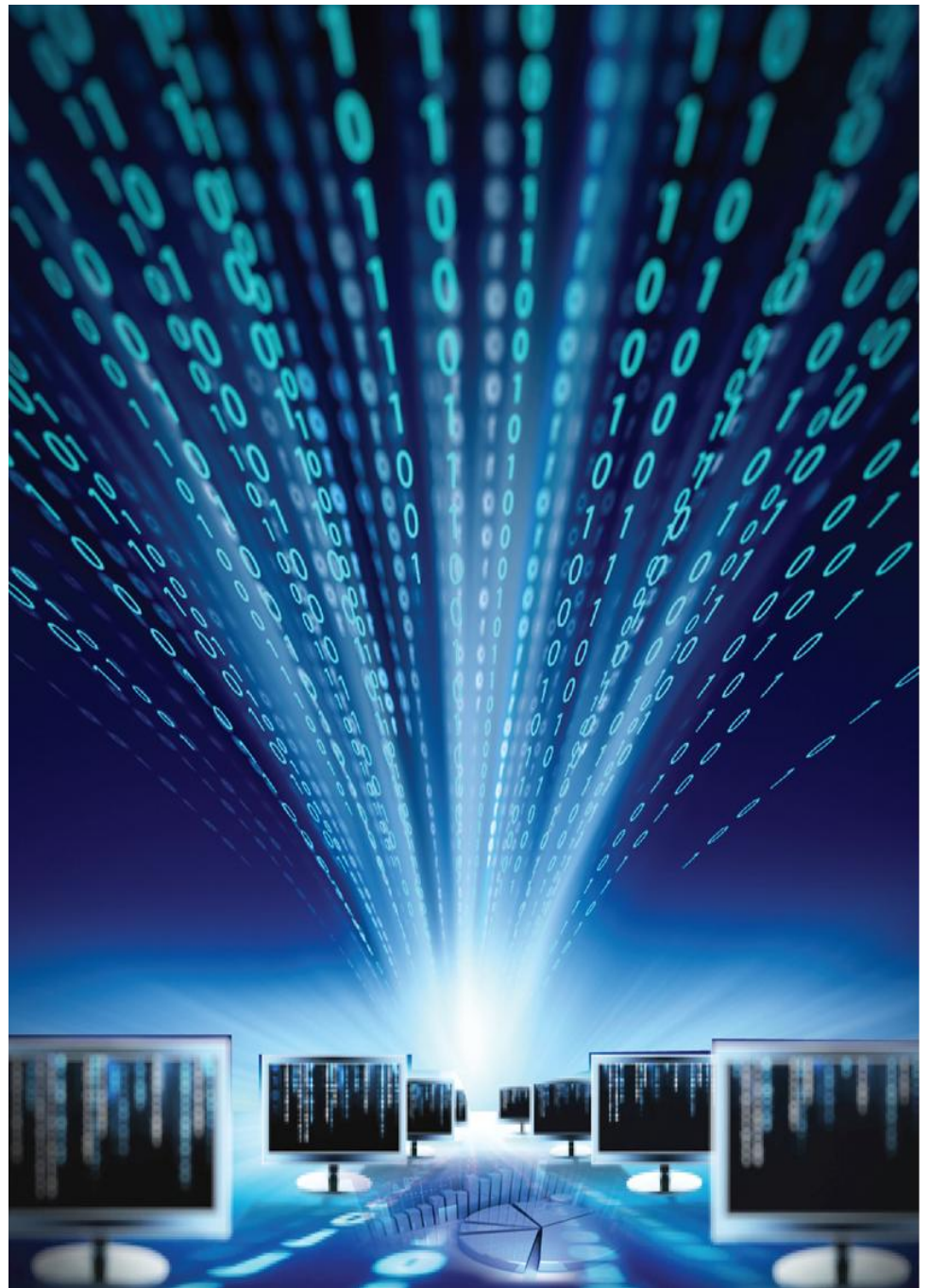
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ANTICIPATE . PROTECT . PREVENT

Ascellon's security and business intelligence services empower your organization to unify your approach to using state-of-the-art data mining techniques for detection and prevention efforts. We have two decades of experience and expertise providing solutions tailored for your industry.

We build preventive systems based on **predictive analytics** that's consistent, accurate and timely. With our enterprise approach to data management and consolidation, we bring together cross-channel data – from all lines of business, organizational units and geographic regions – on a single platform. We deliver:

- Excellence in high-performance analytics to reduce the incidence of "false positives" as you tackle the most difficult challenges, and solve even the most vexing problems quickly – no matter how big the data or how complex the analysis.

- Constant vigilance through extensive training of your staff and dedicated Ascellon experts in advanced analytics to keep you stay on top of the latest technology developments and evolving data management trends.

- Flexible implementation through a common technology foundation and modular solutions that you can start where your needs are greatest and add on as needed.
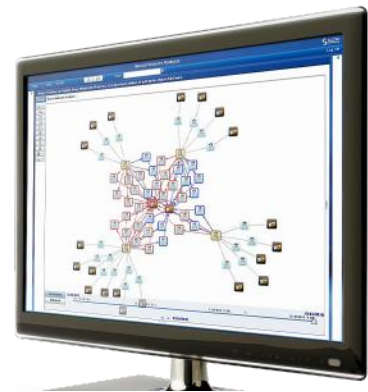
DATA MINING SOLUTIONS

Ascellon, through our expertise and partnerships provide sophisticated enterprise data mining solutions by integrating data from many data sources. We support our customers on:

Surveillance – Our data mining tools have been used by governments and large organizations to identify patterns, predict the likelihood of certain events and to implement "subject-based data mining" through sophisticated relationship and association recognition.

Visual data mining – We develop intuitive visual representations of key indicators from your large data sets to enable you to quickly discover statistical patterns, trends and information which are hidden in the data.

Spatial data mining – We enable the organization to combine geographical data mining from Geographic Information Systems (GPS) with other sources of data to identify unique patterns among seemingly unconnected events. We deploy data visualization approaches to facilitate data analysis. We can integrate technologies from digital mapping and remote sensing to develop data-driven solutions for geographical analysis, modeling and decision-making.

CYBER SECURITY
&
NETWORK SECURITY

**CYBER SECURITY
&
NETWORK SECURITY
SERVICES**

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INTRODUCTION

The cost of security breaches continue to rise at a greater rate than ever before. Securing your systems does not simply stop at your firewall. Security concerns exist for organizations that are incorporating Bring Your Own Device (BYOD) and Cloud services, or expanding traditional networks with more agile and resilient wireless devices. Security breaches impact an organization's ability to effectively ensure its continuity of operations, and generally, incur great costs to remediate. Do you really need to invest in more technology? Should security concerns prevent you from enabling greater efficiencies in your day-to-day operations? If you are compliant with best practices, are you immune from data loss and theft of private information?

Our expert services are designed to address all of your computer, network, internet and cyber security concerns.

INFORMATION ASSURANCE

Ascellon's Information Assurance (IA) services support formal assessments by qualified and experienced security practitioners to ensure our customers meet current and future security requirements. Our security experts have proven experience servicing the private and government customers to obtain Information Assurance Certification and Accreditation.

CYBER SECURITY SERVICES

Ascellon provides a full range of cyber security services designed for a wide range of government and commercial organizations. Using Risk-Based Security Management (RBSM) techniques, we provide quantitative results enabling our customers to make business-justified investments for their security programs.

Ascellon's cyber security team provides support to identify threats that pose a risk to sensitive data and the confidentiality, integrity, and availability of network operations. Our security experts work with our customers towards the common goals of enhancing security posture and reducing risk of unauthorized access or intrusion.

NETWORK SECURITY ASSESSMENTS & REMOTE PENETRATION TESTING

Ascellon's rigorous approach uses real-world technical and operational techniques to identify and exploit your mission critical networks. Our Internal Security Assessment evaluates your network and operations risk. This assessment is a passive examination of your computing infrastructure and is designed to illustrate what risks exist and ensure compliance. This test examines network environment including wireless, mobile, and Cloud infrastructures.

While most organizations conduct network security assessments to meet compliance objectives, penetration testing (PENTEST) provides our customers the ability to validate their exploitable weaknesses. Our assessment includes an on-site debrief of activities, results, and prudent next steps. Using quantified risk measurement techniques to place a dollar value on risk profiles, we provide our customers the ability to make business-justified decisions for current and future security investments.

DIGITAL FORENSICS

Ascellon provides investigative services to identify data breaches and lack of sound or commercially reasonable cyber security. Our specialists will move quickly to work with your staff to obtain and analyze stored data. Our digital forensic services can be performed independently or after our penetration test. Our specialists will prepare formal reports and on-site debriefs to your organization for future action.

Using quantified risk measurement techniques we are able to identify risk profiles which can be used to improve security programs.

INDEPENDENT VERIFICATION AND VALIDATION (IV&V) OVERVIEW

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APPROACH

Ascellon's approach to Independent Verification and Validation (IV&V) services extends beyond software development verification and validation to cover program V&V, quality assurance, security and risk management. Our IV&V experts leverage a proven standards based framework, which minimizes risk to the organization, while being agile enough to adjust to ever changing project requirements and constraints.

Ascellon's Rapid Assessment approach utilizes a high-touch and low tech paradigm, which ensures that our experts are asking the "right" questions of people, not spreadsheets. Our high-touch system has been refined to ensure that our experts seamlessly blend into the assessed organization to minimize the disruption often linked to IV&V activities.

Integrity, surety and precision form the foundation of our IV&V approach. Our experts unite these three elements to ensure that each IV&V engagement, whether large or small, produces **_astonishing_** results for our clients. Our in-house expertise is ready to assess current management processes and in-depth technical components of enterprise-wide programs and projects. Our approach, expansive knowledge and real- world experience in multiple domains ensure that IV&V services are deployed with speed and agility.

FRAMEWORK

Ascellon's IV&V framework is based on IEEE Std. 1012-2012 System and Software Verification and Validation, which addresses IV&V activities throughout the software development process. Ascellon's framework expands coverage beyond software to cover additional non-software processes, project and product components; incorporating methods and best practices from disciplines such as risk management quality management and business process re-engineering.

Ascellon's framework is **_adaptable_**, allowing Ascellon's experts to develop tools and templates as required to facilitate the assessment of artifacts delivered for evaluation. Ascellon's framework in turn produces only the critical artifacts necessary to aid in the delivery of solutions that are compliant with the project's technical and contractual requirements.

Ascellon's framework integrates a number of complementary processes to ensure a comprehensive and holistic approach to error detection and correction. Our framework can be easily tailored to accommodate different organizational styles and missions while maintaining the essence and integrity of the V&V process.

release acceptance

STANDARDS

Ascellon's approach to IV&V and framework are based on international standards and best practices including:

- ISO 9001:2008 Quality management systems — Requirements, ISO/IEC 12207:2008 Software Life Cycle Processes
- IEEE 1012-2012 System and Software Verification and Validation, IEEE 829-2008 Software Test Documentation, ANSI/IEEE 1008-1987 Software Unit Testing, IEEE 1028-2008 Software Review and Audits
- CMMI (Capability Maturity Model Integration)
- American Society for Quality (ASQ) standards
- Project Management Institute (PMI) Standards
- Control Objectives for Information and related Technology (COBIT)

Due to applicable IV&V standards not existing in specific industries, Ascellon leverages and adapts standards and best practices from other industries as necessary.

SERVICES

Below is a sub-set of Ascellon's IV&V offering:

- Concept documentation evaluation
- Requirements analysis
- Traceability analysis
- Source code and source code documentation evaluation
- Interface analysis
- Criticality analysis
- Hazard analysis
- Security analysis
- Risk analysis
- Governance analysis

Security compliance

CONFERENCING AND VPN/CLOUD SOLUTIONS

COFERENCING AND VPN/CLOUD SOLUTIONS

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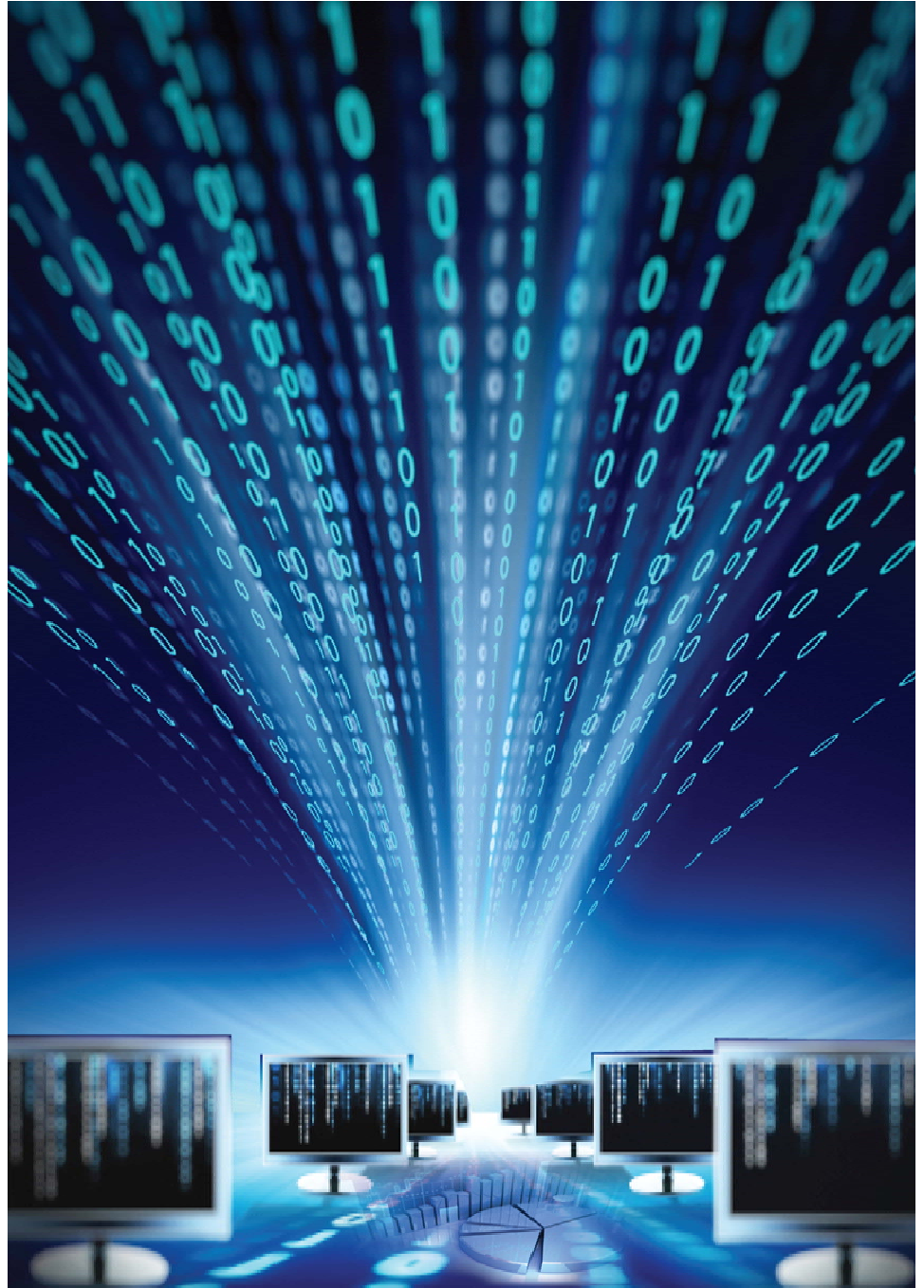
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CONFERNCING SOLUTIONS

Ascellon's conferencing solutions empower your organization to host audio and video conferencing with participants from multiple geographic locations. We deploy secure hardware and software tools that are centrally hosted and managed to facilitate communications through high quality internet connections. We combine Voice Over IP (VOIP) telephony technology with unified messaging capabilities to securely host and manage video and audio multi-party conferences. The costs of communications are greatly reduced by removing any analog telephone costs. Our VOIP-based conferencing system greatly expands your teleconferencing capabilities beyond traditional teleconferencing systems. Participants can participate securely from any location through a variety of methods approved by the meeting organizer, including mobile devices, computers, traditional telephones or other VOIP-based connections. For each conference session, the organization has complete control by assigning unique codes to participants and determining acceptable communication methods. Participants can be anywhere globally and still be able to communicate with your system.

Audio and Video Conferencing – Ascellon's virtual meeting solution allows your organization to attend meetings without having to leave your office. Your various sites can communicate face-to-face through high quality video and audio conferencing with the option to record all or parts of your meetings digitally for future playback or as part of official records.

VPN AND CLOUD SOLUTIONS

Ascellon's Virtual Private Network (VPN) and cloud solutions enable your organization to connect all branches and departments seamlessly. No matter whether you need to collaborate across town or across continents, we can connect your offices through our trusted services. We have a track record of deploying secure and affordable cloud and VPN solutions to improve productivity and improve reaction time. When coupled with our unified messaging solutions, you can be assured of instant and secure collaboration.
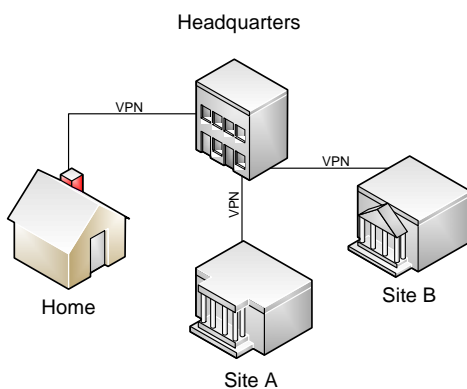
Ascellon's cloud and VPN solutions turn all your various physical locations into one virtual location. This unifies your efforts into a connected and digitally integrated organization.

The VPN solution also allows your organization to share data across different sites and to communicate securely within the organization. We implement one or more dedicated encrypted channels for all your data, even video, audio and email. This makes your data assets more accessible as well as more secure.

TRAINING SOLUTIONS

**TRAINING
SOLUTIONS**

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STAGES OF EMPOWERMENT TRAINING

Ascellon assists organizations to design and implement training and empowerment programmes which incorporates varying individual and group training needs into a cohesive process that equips individuals, teams and organizations with the learning skills to achieve their desired training objectives and highest aspirations

We design and deliver unique ways to give the right skills to the right people to make anything possible.
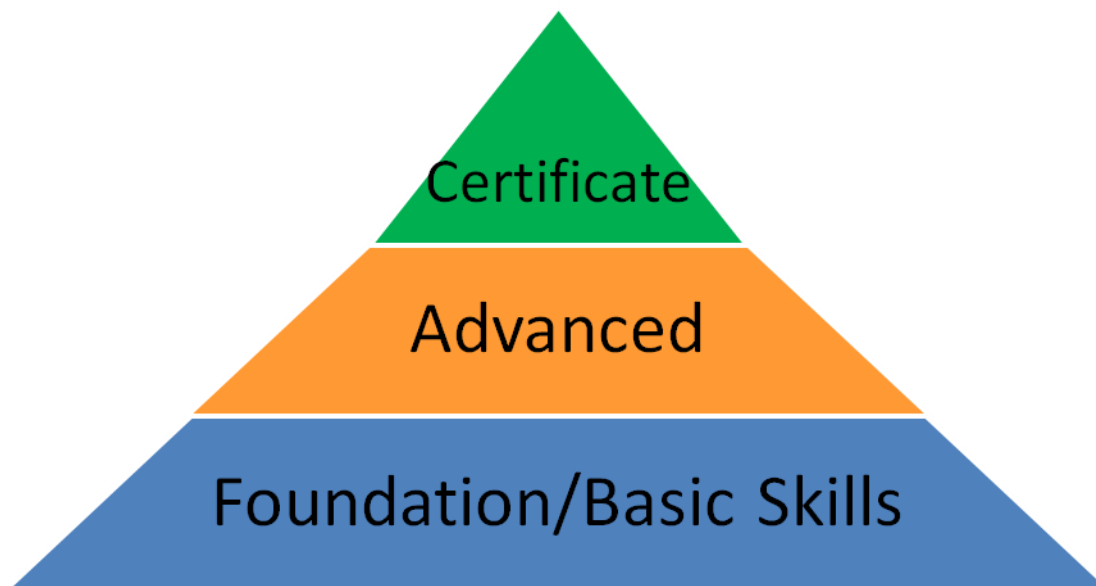

INFORMATION ASSURANCE

Our training design incorporates the latest in instructional design and delivery, including:

- Classroom training
- Specialized training
- Self-paced training (on-line)
- Basic skills training
- Advanced training
- Certificate courses
- Industry-specific courses

COVERING THE BASICS

Ascellon understands the importance of basic computer skills required most of today's jobs. We design courses for the beginner all the way up to expert level. Our courses are designed to improve each individual beginning at their level of competence.
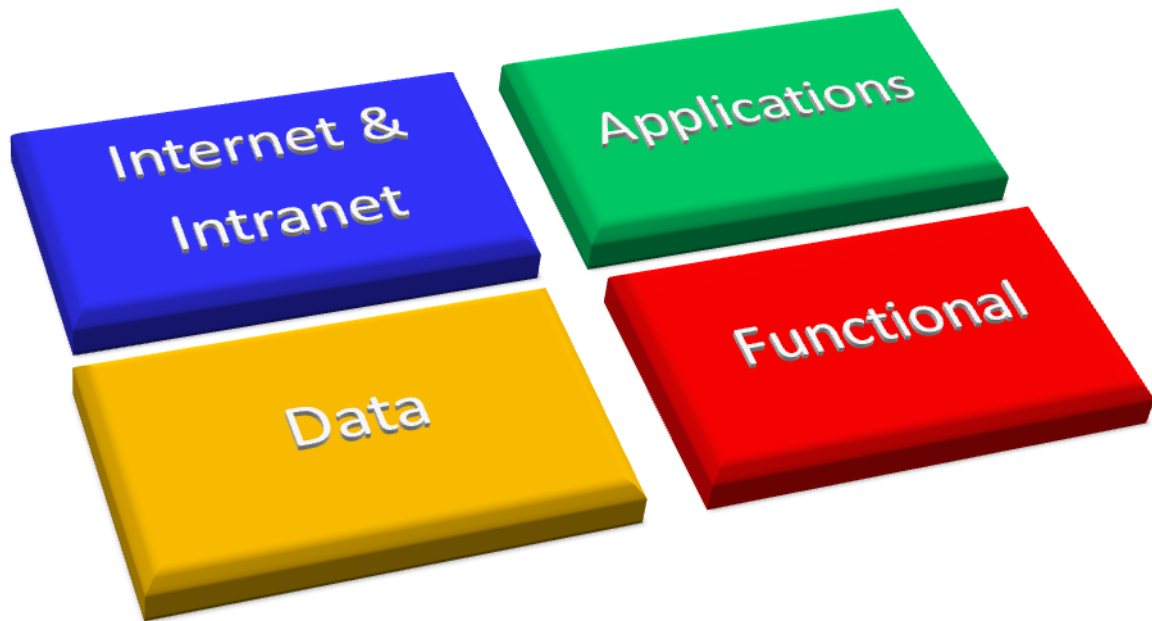
WHAT MAKES US UNIQUE

World-class consultants

More than 50 world-class consultants recognised industry experts and published authors, with international expertise.

Blended learning

We deliver blended-learning training, share best-practices, making the learning real and personal to you.

State-of-the-art facilities

We believe that our delegates deserve the best environment possible during their learning experience. Our training centres include international, regional and local destinations, with our state of the art training facility at Ascellon Corportation in the United States

Personalised support

We're with you every step of the way and work in partnership with you and your organisation to develop future leaders.

Proven ROI

We give a proven return on investment. Our loyal and expanding client base is a testament to the results we strive for and achieve for organisations.

PROPOSED TRAINING AREAS

Ascellon areas of training covers but not limited to the following:

- IT Portfolio Management

- Information Technology Governance

- Cyber Security

- Cloud Computing

- Data analytics

- Enterprise resource planning

- Networking

- IT Infrastructure Design, Planning and Management

- Business Process Management (BPM)

- Workflow Management Systems

- Software Design and Development

OUR COMMITMENT

- **Integrity–** We act with honesty and integrity.
- **Teamwork–** We treat our clients, employees and suppliers with mutual respect and sensitivity.
- **Agility–** We respond with speed and flexibility, responding to fast-changing needs with creativity and grace.
- **Innovation–** We provide meaningful, productive solutions by looking at challenges and opportunities from new angles.