

## Infrastructure Solutions

Insitec provides a range of systems engineering services across the infrastructure domain with a specialty in the Hypervisor and Operating System layers.

Insitec’s systems engineering methodology is based on a top down approach, the overall architecture is just as important as the individual components capabilities. Using this approach Insitec is able to engineer entire systems rather than just put components together.

Insitec adopts an architectural approach to every element of the solution –from design, through implementation to ongoing support. Our Infrastructure services enable both the application layer and the underlying network and storage infrastructure to work together most effectively.

Insitec’s infrastructure solution services are targeted at the following specific areas:

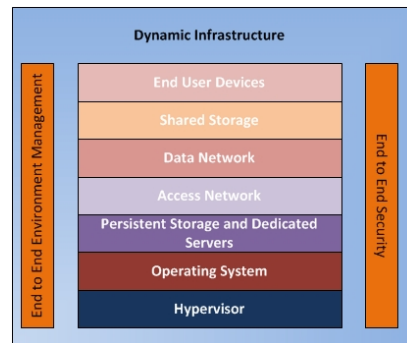
- Server hardware build and deployment;
- Network builds and deployment;
- Storage hardware build and deployment;
- Virtualisation implementation;
- Operating system installation and deployment;
- Internet and Information Security ;
- Database implementation & optimisation; and
- Application server implementation.

### Build and Deliver

Insitec has a highly professional team of infrastructure technical staff who are specialists in building and delivering Infrastructure Solutions, with a focus on an architectural approach. The resulting rigour of design and implementation, combined with a flexible approach to technology elements, allows our infrastructure team to assist in solving our clients’ business needs - be they bespoke applications, Software as a Service or any Enterprise solution.

### Dynamic Infrastructure

Dynamic Infrastructure, sometimes tagged as Infrastructure 2.0 or Next Generation Data Centre is central to Insitec’s infrastructure strategies. Taking an end-to-end management approach, combined with security at every layer; Insitec presents an Infrastructure solutions approach, which leverages tailored concepts of Infrastructure 2.0 to offer the most flexible solution to our clients. The core layers of Infrastructure 2.0 are outlined here:



### Operating System and Database

Insitec has a long history of Operating System and Database support. From the earliest days of Windows to the latest versions just released, Insitec has been supporting our clients to make the most of their Operating system environment. With a strong background in Unix and Linux operating systems, Insitec strives to ensure that every solution uses the best possible operating system for the unique requirements that are presented. Insitec also has long experience in designing, implementing and supporting database systems. From Sybase to Oracle, from MS-SQL to PostgreSQL; Insitec has the skills and knowledge to ensure that the best possible database solution is implemented for the requirements of the project.

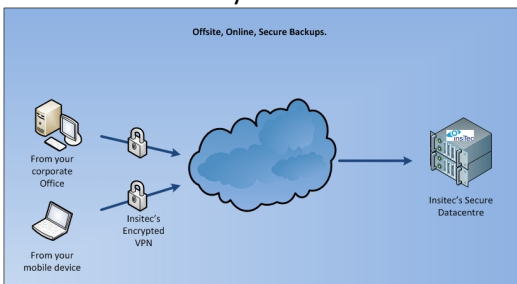


### Virtualisation & Hypervisor Implementation

Virtualisation is a key technology in a modern ICT infrastructure. Insitec has a long and distinguished history in the implementation and support of hypervisors. Not all hypervisors are created equal, Insitec has experience in VMWare ESX and also Xen based hypervisors, particularly XenServer and Oracle VM. Insitec has experience in both the implementation of an entire virtual infrastructure and also the migration and upgrading of virtual infrastructures.

### Storage, Data and Backups

Insitec recognises that without adequate and reliable storage at the very heart of the infrastructure solution, your most critical asset – your business data – is at risk.



Insitec looks at all of the Storage Area Network and Network Attached Storage (SAN and NAS) solutions to design and implement the most practical, cost effective and reliable storage solution that fits your business needs. Insitec's approach to Data and Backups is designed to ensure that we can meet your required loss, time and data retention targets in the most cost effective way possible. Insitec recommends an online, offsite and secure backup strategy, meaning that your data remains safe, secure and accessible. Insitec uses a combination of traditional tape based methodologies, combined with the latest in on-disk archiving to ensure that we can offer the most appropriate solution to meet our clients' specific requirements.

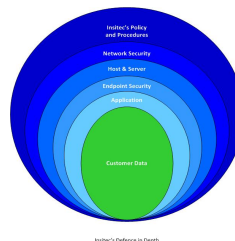
### Networking

With the changing landscape of Networking, Insitec recognises that the best possible network solutions are delivered with a view to not only meeting today's requirements, but also with ensuring reliability and quality into the future. With the increased demand placed upon networks, it is essential that the networks that are designed today meet the needs of tomorrow's data traffic. Insitec brings a litany of services to the table when considering the best network for your solution:

- Network Architecture and Engineering
- Technology flexibility
- Strategic roadmapping
- Monitoring and Management
- Support and Maintenance
- Security services

There are many approaches to designing and implementing networks, and Insitec always approaches the implementation and the design from an architectural view – ensuring that your network design matches your overall infrastructure and business solution needs.

### Security



Insitec understands that in today's online world security is one of the greatest concerns of businesses. Insitec adopts an approach to security that looks at the architecture of every element of the solution to ensure that we provide security in depth.

Insitec strives to apply a balance between the solution being usable and cost effective, while remaining secure.

