

## Co-location

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Many organisations have embraced Co-location services as an integral part of their infrastructure and business continuity plans. Uses for Co-location services include:

- Hosting websites and Internet-facing applications.
- Co-locating internal servers running core applications to take advantage of the security and infrastructure resilience a data centre provides over a normal office location.
- Disaster Recovery (DR) as a back-up for the primary IT infrastructure, to ensure business continuity in the event of a major incident affecting the main company site.

amatis Networks offers Co-location for organisations who want cost-effective and flexible services in the Thames Valley. Two separate data centres in Newbury and Reading allows amatis to offer a full range of high availability and DR options including:

- Shared rack space for Co-locating individual servers
- Dedicated rack space available as individually lockable quarter, half or full racks
- Managed firewall ports for security
- Options for resilient power delivery and remote management of power and servers
- Technical staff on-site for installation and ongoing support

**Why Co-location** - Many organisations are now using dedicated data centres rather than their own premises to host key applications. Data centres are specifically designed and built to host servers and other IT infrastructure equipment and offer high-capacity resilient bandwidth, power supply, and environmental control equipment and maintenance which few organisations can hope to replicate on their own sites.

amatis offers the ability for customers to remotely access and manage their infrastructure so that re-booting equipment or applying software updates can all be done remotely. Physical access, when required, is controlled and is available 24/7 for both emergencies and planned upgrade or maintenance work.

**Business continuity & security** - Many mission-critical IT infrastructures employ Co-location as a reliable form of business continuity. As an example, if an in-office server were to fail the system can be configured to failover to a co-located server hosted remotely enabling staff to continue working with minimal disruption to service.

With ever-increasing dependence on IT and the growth in remote and home working, many businesses require a high-degree of resilience. Using Co-location services across multiple data centres minimises the likelihood of any downtime.

amatis' Co-location services provide the ideal platform to suit the needs of all organisations that require a more cost-effective solution, from simple hosting to complete resilience and business continuity solutions.

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### General Specifications

- Privately owned premises
- Easy access to M4 and A34 (Newbury site)
- 109 Rack Capacity
- 500Kva power available across estate
- Reading: 47U / 22U / 11U : 1000mm deep individually locked racks
- Newbury: 42U / 21U / 10U : 1000mm deep individually locked racks
- Standard power delivery 16Amps (dual feed/ high power available)
- Overhead data cabling
- Dedicated build room
- 24x7x365 site access
- Remote Hands service
- CCTV
- Full building access control
- Reading : VESDA advanced fire detection
- 24x7 monitored fire / intruder / panic alarm
- Onsite car parking available

### Network

- Diversely connected to multiple fibre backbone networks.
- Directly connected to the amatis core network with national coverage
- Resilient peering and transit interconnects
- Astra 28.2 Satellite feeds available (Reading only)
- Resilient network port delivery available per rack
- Options for remotely manageable socket-level PDU and KVM over IP
- Private inter-site links available

### Environment

- N+1 environmental control systems
- Hot & cold aisle setup
- Newbury : Down-flow air handling units (pressurised raised floor)
- Reading : Up-flow air handling units
- Environmental control: Temperature 21°C ±3°C and humidity 50% ±10%

### Electrical

- Standard rack delivery 16Amp (dual feed / high power available)
- Standby generator onsite
- Minimum 24 Hours generator fuel onsite
- Online UPS infrastructure