



## DATACENTRE INFRASTRUCTURE

**yellowspring**   
Business IT Solutions

# YELLOWSPRING DATACENTRE INFRASTRUCTURE

**Yellowspring delivers Managed Hosting and Co-location services from major facilities in the South East of England and across Europe. Our top-tier UK datacentres are located both inside and outside the M25 to provide our clients with the most comprehensive coverage.**

Each facility is engineered to the highest standards, to ensure both security and availability. Connectivity is via multiple tier1 and tier2 network providers, utilising diverse routes into each datacentre. We manage a range of Cloud services from our Network Operations Centre (NOC), staffed by highly qualified engineers and backed by a 24 x 7 helpdesk.



# THE KEY FEATURES

## Services & Support

- Quarter Rack
- Half Rack
- Full Rack
- Secure Cages & Private Rooms by request
- 24 x 7 Helpdesk
- 24 x 7 Hands & Eyes
- Tape Rotation
- Managed Firewall
- Cabling
- Rack Migration

## Security

- 24x7 monitoring by closed-circuit cameras and on-site guards
- Access is restricted to authorised personnel through biometric two-factor authentication and facial recognition
- Physical security includes security fencing, intruder and proximity alarms

## Power and Cooling

- Redundant UPS and generator backups for all systems
- N+1, high-capacity HVAC
- Cold aisle containment

## Fire Detection and Suppression

- Three-stage fire detection systems in all plant areas
- VESDA (Very Early Smoke Detection Apparatus)
- Fire Detection in all rooms (below raised floors and in ceiling voids)
- Double interlocked pre-action gas suppression

## SLAs

- Power: 99.999% uptime
- Cooling: -22°C (+/- 3°)
- Humidity: 50% (+/- 10%)
- PUE: < 1.35

# NORTH LONDON

| POWER  |  | SECURITY  |   |
|--|--|---|---|
| Mains  | Mains feed from dedicated substation           | Guards  | 24 x 7 on-site security   |
| UPS  | N+N configuration, 3 string chloride UPS       | Access  | 24 x 7, audited and secure, multi-factor authentication   |
| Generator  | Diesel powered with 1 week fuel supply on-site | Features  | Full-height perimeter fence, electronic access gate, CCTV, intruder & proximity alarms throughout, biometric readers & facial recognition |
| Rack Power   | True N+N 16/32amp supply, A+B configuration    |   |   |
| SLA  | 100% uptime                                    |   |   |
| COOLING  |  | SPACE & POWER OPTIONS   |   |
| HVAC   | N+1 high-capacity air con                      | Co-Location   | Quarter, half & full racks secure cages & private rooms   |
| Rack Layout  | Cold aisle containment                         | Power Feed  | A+B   |
| SLA  | -22° (+/- 3°)                                  | AC Power  | 4A, 8A, 16A, 32A, other configurations by request   |
| ENVIRONMENT  |  | AMENITIES   |   |
| Efficiency   | PUE < 1.35                                     | Ample on-site parking, secure delivery & storage, client lounge, build areas, meeting rooms, WI-FI, hot-desks |   |
| Emissions  | 100% carbon neutral                            |   |   |
| CONNECTIVITY   |  | SUPPORT   |   |
| Carrier neutral, multiple tier 1 and tier 2 providers with multiple inbound routes |  | Remote Hands  | 24 x 7 qualified engineers  |
|  |  | Other   | Tape rotation, managed firewall, cabling & rack migration   |

# LONDON DOCKLANDS

| POWER  |  | SECURITY  |  |
|--|--|---|--|
| Mains  | Mains feed from dedicated substation           | Guards  | 24 x 7 on-site security  |
| UPS  | N+N configuration, 3 string chloride UPS       | Access  | 24 x 7, audited and secure, multi-factor authentication  |
| Generator  | Diesel powered with 1 week fuel supply on-site | Features  | Full-height perimeter fence, electronic access gate, CCTV, intruder & proximity alarms throughout, mantrap, biometric readers & facial recognition |
| Rack Power   | True N+N 16/32amp supply, A+B configuration    |   |  |
| SLA  | 100% uptime                                    |   |  |
| COOLING  |  | SPACE & POWER OPTIONS   |  |
| HVAC   | N+1 high-capacity air con                      | Co-Location   | Quarter, half & full racks secure cages & private rooms  |
| Rack Layout  | Cold aisle containment                         | Power Feed  | A+B  |
| SLA  | -23° (+/- 3°)                                  | AC Power  | 4A, 8A, 16A, 32A, other configurations by request  |
| ENVIRONMENT  |  | AMENITIES   |  |
| Efficiency   | PUE < 1.35                                     | Ample on-site parking, secure delivery & storage, client lounge, build areas, meeting rooms, WI-FI, hot-desks |  |
| Humidity   | 50% (+/- 10%)                                  |   |  |
| CONNECTIVITY   |  | SUPPORT   |  |
| Carrier neutral, multiple tier 1 and tier 2 providers with multiple inbound routes |  | Remote Hands  | 24 x 7 qualified engineers   |
|  |  | Other   | Tape rotation, managed firewall, cabling & rack migration  |

# CHELMSFORD

## ESSEX

| POWER   |                              | SECURITY  |   |
|---|------------------------------|---|---|
| UPS   | N configuration              | Access  | 24 x 7 on-site security, secure access controls                 |
| Generator   | Diesel powered, 24hr runtime | Features  | Perimeter fencing, CCTV, intruder & proximity alarms throughout |
| SLA   | 100% uptime                  |   |   |
| COOLING   |                              | SPACE & POWER OPTIONS   |   |
| HVAC  | N+1 high-capacity air con    | Co-Location   | Quarter, half & full racks multiple racks in shared space       |
| Rack Layout   | Cold aisle containment       | Power Feed  | Max 2.5kW, 10 amps per rack                                     |
| ENVIRONMENT   |                              | AMENITIES   |   |
| Detection   | VESDA smoke detection        | Ample on-site parking, secure delivery & storage, client lounge |   |
| Protection  | Argonite fire suppression    |   |   |
| CONNECTIVITY  |                              | SUPPORT   |   |
| Multiple tier 1 and tier 2 providers with multiple inbound routes, including BT, COLT, LEVEL 3, Virgin Media, Vodafone and Vtesse |                              | Remote Hands  | 24 x 7 qualified engineers                                      |
|   |                              | Other   | Tape rotation, managed firewall, cabling & rack migration       |



# HODDESDON

## HERTFORDSHIRE

| POWER   |                              | SECURITY  |   |
|---|------------------------------|---|---|
| UPS   | N+1 configuration            | Access  | 24 x 7 on-site security, secure access controls                 |
| Generator   | Diesel powered, 24hr runtime | Features  | Perimeter fencing, CCTV, intruder & proximity alarms throughout |
| SLA   | 100% uptime                  |   |   |
| COOLING   |                              | SPACE & POWER OPTIONS   |   |
| HVAC  | N+1 high-capacity air con    | Co-Location   | Quarter, half & full racks multiple racks in shared space       |
| Rack Layout   | Cold aisle containment       | Power Feed  | Max 4.8kW, 20 amps per rack                                     |
| ENVIRONMENT   |                              | AMENITIES   |   |
| Detection   | VESDA smoke detection        | Ample on-site parking, secure delivery & storage, client lounge, build areas, meeting rooms, WI-FI, hot-desks |   |
| Protection  | Argonite fire suppression    |   |   |
| CONNECTIVITY  |                              | SUPPORT   |   |
| Multiple tier 1 and tier 2 providers with multiple inbound routes, including BT, COLT, LEVEL 3, Virgin Media, Vodafone and Vtesse |                              | Remote Hands  | 24 x 7 qualified engineers                                      |
|   |                              | Other   | Managed services, load balancing, cabling & rack migration      |