

Next Generation Data



OVERVIEW

Next Generation Data prides itself as Europe's leading Data Centre Specialist with a design and management team that have built and operated some of the worlds best data centres for major corporations and government bodies both nationally and internationally.

NGD Europe is one of the newest and most advanced data centres, incorporating all the latest technologies. It is purpose built to support high level technology infrastructure and has a high capacity power supply direct from a super grid and a variety of interconnects. NGD will provide diverse offerings, from large scale space only contracts through to hosting and managed service options for the Small to Medium business.

NGD focuses on Quality of Service , Security and value for money. With a space allocation of some 70,000 sq meters arranged over three floors, NGD Europe is one of the biggest and best equipped. NGD Europe can house over 17,000 racks in its highly secure building.

NGD has connectivity from a number of major carriers, and the cabability for direct trans atlantic connectivity.

NGD Europe is not a lights out service as the site has sophisticated 24 hour office space on site for technical support and administration facilities, with meeting rooms and conference suits. The facility also provides a Bistro and Gym area for employees and visitors.

UNIQUE OFFERING

- Up to 180 MVA
- 18 Autonomous Data Halls each with dedicated infrastructure
- Standard offering of tier 3, 1.5kw per sq metre (8 kw maximum for any one rack)
- Bespoke builds to customer specification
- Hotel, meeting rooms and touchdown facilities
- International fibre connectivity that does not transit London

SPECIFICATIONS

POWER

The NGD Europe site is serviced by a primary substation which is connected to a 400KV super grid at a National not local level. As a Tier 3 classified Data Centre, NGD Europe will have an N+1 Architecture throughout, from mains HV input to Generation and Distribution. Utilising the latest technologies such as IPDU's and DRUPS and with the potential of 180 MVA to site NGD Europe can service the most power hungary applications.

COOLING

A resilient N+20% system via a hybrid chilled water solution, enhanced by free cooling following the external ambient temperature. The Data hall temperature to be maintained at 24 degrees Celsius +/- 2 degrees Data hall humidity to be maintained at 50% +/- 10%. All cooling infrastructure will have full system monitoring and control.

FIRE PROTECTION SYSTEMS

The Data halls and Plant Areas are fitted with VESDA (Very Early Smoke Detection Apparatus) and Double knock activation / extinguishing systems. The extinguishing gas is an inert solution, currently one of the most environmentally friendly on the market.

SECURITY

Security is of utmost importance to NGD Europe. To this end all available technologies have been utilised to secure the site both internally and externally.

- Double Skin walls with plant areas internal to the building.
- Bespoke High Security Gated Entrance systems.
- High Specification Security Fencing to BS standard (to category 4).
- Digital CCTV controlled by IR detection.
- Licence plate recognition cameras on all entrances
- Fencing enhanced by perimeter IR detection
- 24 x 7 manned gate house.
- 24 x 7 security patrols.
- Customer specific measures are available as required
- Biometric Security at multiple levels.
- Isolated clean/dirty areas for arrival and departure.
- All security guards will be employed by NGD and have SIA accreditation and Home Office clearance.

GREEN

Our Environment Statement

NGD is committed to developing an environmental policy for the 21st century. Our belief is all initiatives will have some impact no matter how small. We have a strategy spanning the entire site ranging from simple recycling programmes through to energy efficient lighting to projects on renewable sources.

CONNECTIVITY

NGD has 4 diverse connectivity points for cable entry consisting of 20 x 100mm ducts entering the building at different locations. All cabling within the facility is controlled by NGD Europe. Carrier feeds are diverse and secure. Carrier Neutral Facility. Multi homed transit platform serviced by multiple providers.

SUPPORT

Rack installation.
 Cable infrastructure
 24x7 on-site engineering
 Remote hands

LEISURE

Onsite cafeteria
 3 acre recreational ground and lake

UTILITIES SUMMARY

Power feed (Dual/Ring)	180 MVA capability
Generation	150 MVA
Lighting (operational/emergency)	600/2 lux



The UK's largest and best equipped secure data centre

