



COLOCATION LONDON CENTRAL

VOLTA
Central London's Data Centre

The mission of Volta Data Centres is to provide a highly resilient location built to Tier III standard for the capital's businesses to house their critical infrastructure.

Whether you are at the stage of growing your business, or expanding to fulfil a global ambition, Volta's Colocation London advantages make it the ideal data centre to locate your critical IT infrastructure, allowing you to focus on your business.

THE OPTIMUM
PARTNER FOR
LONDON BUSINESS. ♦

A RADICAL ENHANCEMENT OF LONDON'S IT INFRASTRUCTURE

Volta Data Centres was created to exponentially increase the availability of Tier III capability within the City of London. Served by two independent grid substations, this 91,000 sq ft stand-alone facility provides an unrivalled level of resilience within central London.

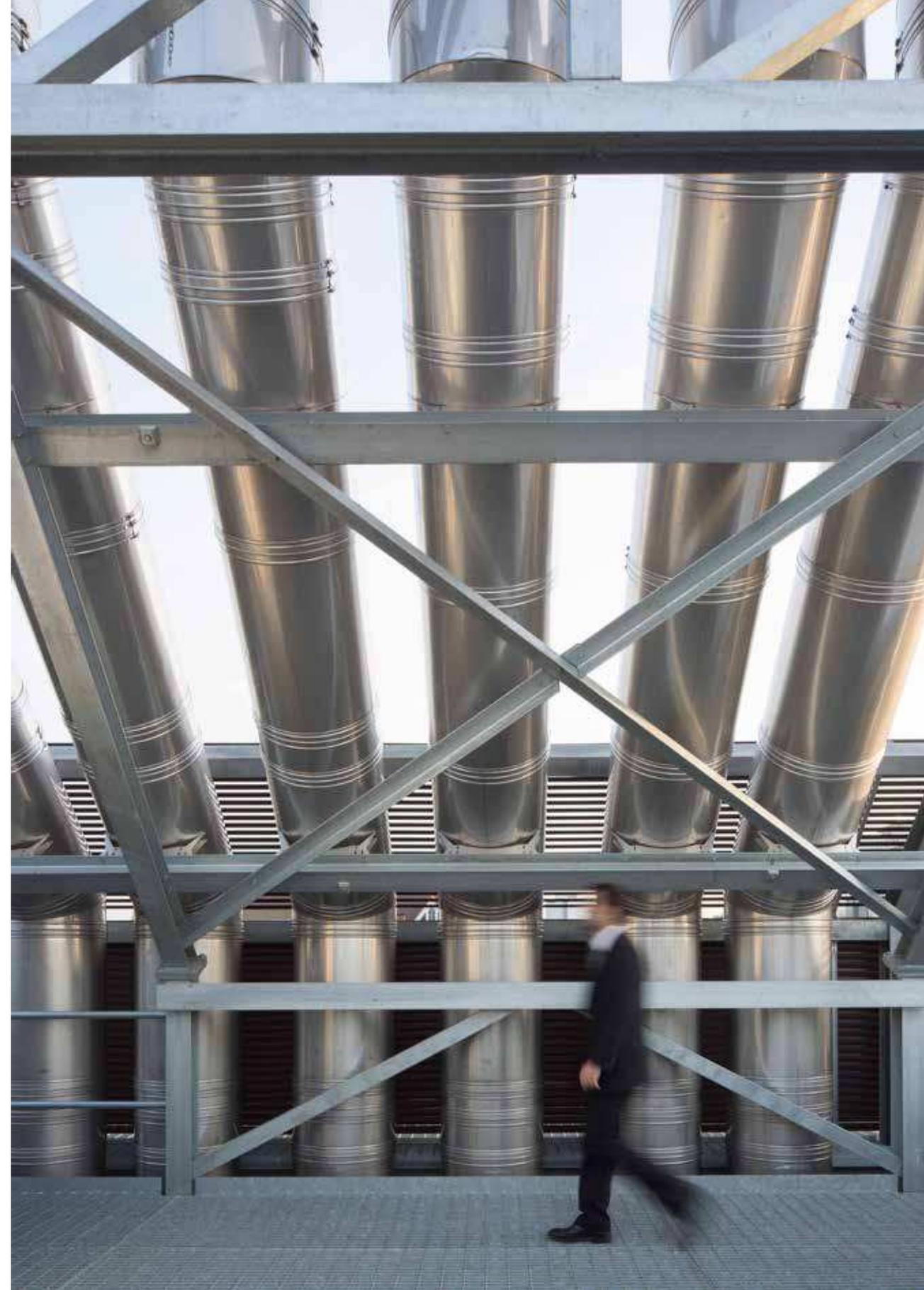
DEVELOPED AND MANAGED BY A PROVEN TEAM

The Volta management team has over 100 years of combined expertise in the data centre industry. Their experience is proven across a variety of disciplines including investment, technology, operations, sales and marketing.

RAPIDLY RESPONDING TO THE CAPITAL'S NEEDS

From the purchase of the Thomson Reuters building in June 2012 to it reopening as Volta Data Centres took just over 15 months, during which time the facility was completely stripped and refurbished, including a major upgrade in the power supply.

A MULTI-MILLION POUND INVESTMENT IN LONDON'S DIGITAL ECONOMY. ♦



WHEN TIME
IS CRITICAL,
SO IS LOCATION. ♦



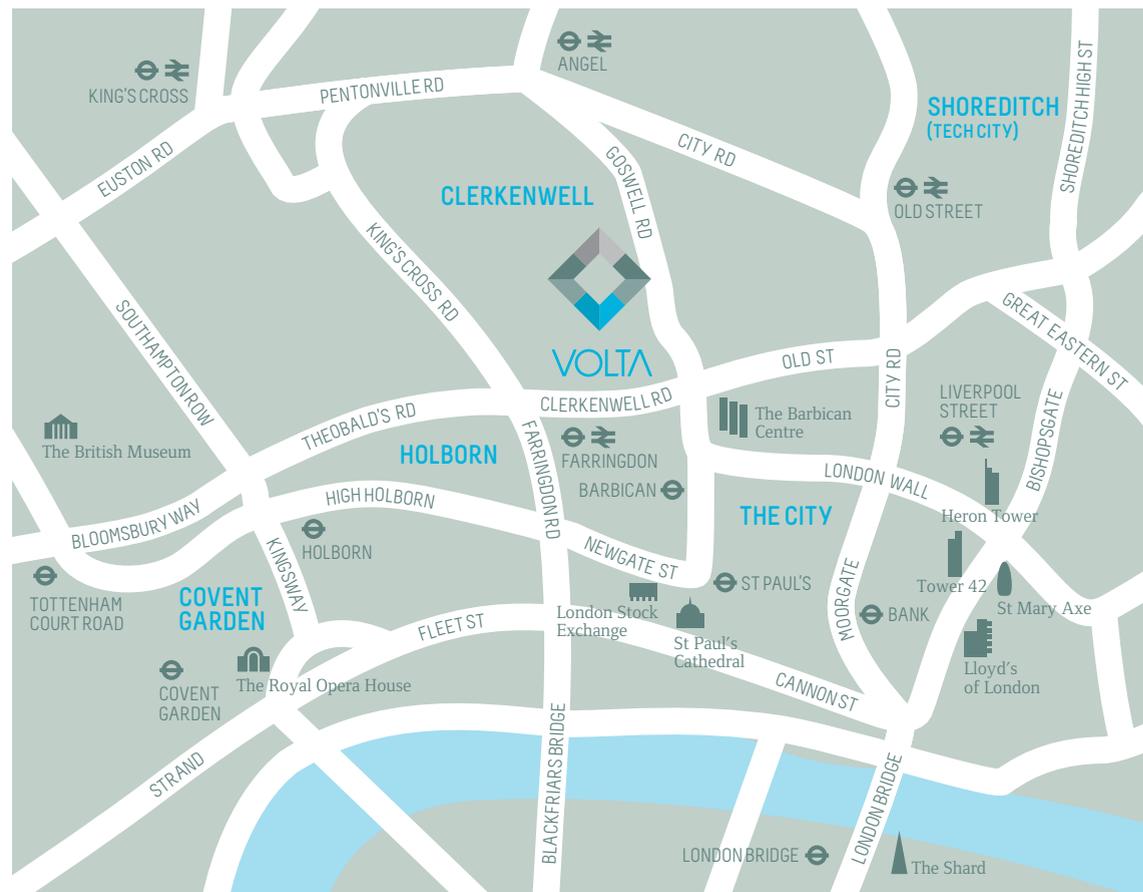
WHERE YOUR DATA IS HOUSED HAS BECOME INCREASINGLY IMPORTANT

As companies grow increasingly allied to technology, any downtime your equipment suffers can prove detrimental to business. Housing your IT infrastructure within central London enables important maintenance work to be rapidly carried out without the inconvenience of travelling to the M25 or beyond.

Volta Data Centres is an island site within Zone 1 that is easily accessed from The City, The West End, Shoreditch and all of Greater London.

PROXIMITY FROM VOLTA TO LONDON LANDMARKS

The Barbican Centre	635m
St Paul's	1,040m
The Gherkin	1,740m
The Shard	2,260m



HIGH SPECIFICATION AND ADVANCED TECHNOLOGY, AS STANDARD

As a brand new facility, Volta Data Centres offers many of the very latest technologies, including a row-based cooling system that tackles heat emission at source, and is Carbon-Trust approved.

DESIGNED TO TIER III STANDARDS

The design and redundancy is based on a Tier III Data Centre, concurrently maintainable. Volta Data Centres has a minimum N+1 redundancy throughout all critical infrastructure with some components at 2N and a guaranteed Service Level Agreement (SLA) of 100%.

A LOW-PROFILE PURPOSE BUILT FACILITY

Volta Data Centres occupies a building that has operated as a data centre for over 25 years. To meet the increasing demands of the capital's digital economy it has been completely refitted from the ground up, ensuring the infrastructure meets the very highest standards.

BUILT WITH THE ENVIRONMENT IN MIND

From the outset, Volta focused on reducing energy usage. An organised methodology was adopted at the planning stage to avoid oversizing any power requirements. Temperature and airflow are constantly monitored within our highly efficient cooling mechanism, ensuring equipment functions optimally whilst conserving energy. Volta has a designed PUE of 1.5 or less, using the Green Grid's measurement standards, and advocates utilising energy from waste and zero landfill.

THE FIRST NEW DATA CENTRE IN CENTRAL LONDON FOR A DECADE. ♦

In a future-proof Tier III environment within a stand-alone dedicated facility, Volta delivers:

- ◆ POWER
- ◆ COOLING
- ◆ FIRE DETECTION
- ◆ FIRE SUPPRESSION
- ◆ SECURITY
- ◆ CONNECTIVITY

to fully support increasingly demanding colocation and rack space needs with a service level guarantee of 100% uptime. Our partners help to make Volta Data Centres a Cloud and carrier-neutral hub in central London.

Call us for a tour of our high specification facility.
T +44 (0)20 7054 9390

Volta Data Centres offers the following key services:

- Tailor-made solutions on Half Racks, Full Racks and Private Cages
- Dedicated Meet-Me-Rooms
- Smart Hands
- Equipment Installation, Supervision, Patching
- Equipment and Patching Audits
- Data Centre Migration & Project Management
- Delivery Reception
- Secure Storage Services
- BMS Access
- Conference & Build Rooms
- Facilitated Breakout Areas

SCALABLE SOLUTIONS TO SUIT YOUR BUSINESS.◆



ARE YOUR IT ISSUES CAUSING AN UNNECESSARY HEADACHE?

The cost and time of travel is a burden for any business, making the choice of location for your IT infrastructure an increasingly important decision. Volta Data Centres sits in the heart of London; its Zone 1 location ideal for any London business requiring colocation.

The retail model adopted for Volta Data Centres is particularly well suited to offer a combination of convenience, the correct data centre attributes, and space to grow your business without compromising power, bandwidth, flexibility and resilience.

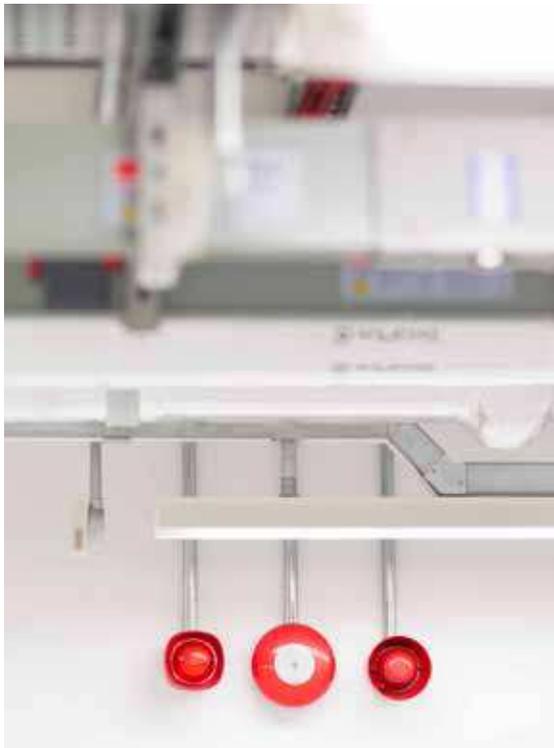
The Volta team's combined expertise in the data centre industry exceeds 100 years. As a carrier neutral facility, Volta Data Centres offers superior connectivity and provides far higher power density and resilience than most commercial offices can deliver.

- ◆ SAVE TIME AND MONEY
- ◆ FOCUS ON YOUR CORE BUSINESS OBJECTIVES
- ◆ INCREASE REVENUE

TAILORED SOLUTIONS FOR CENTRAL LONDON BUSINESSES.◆

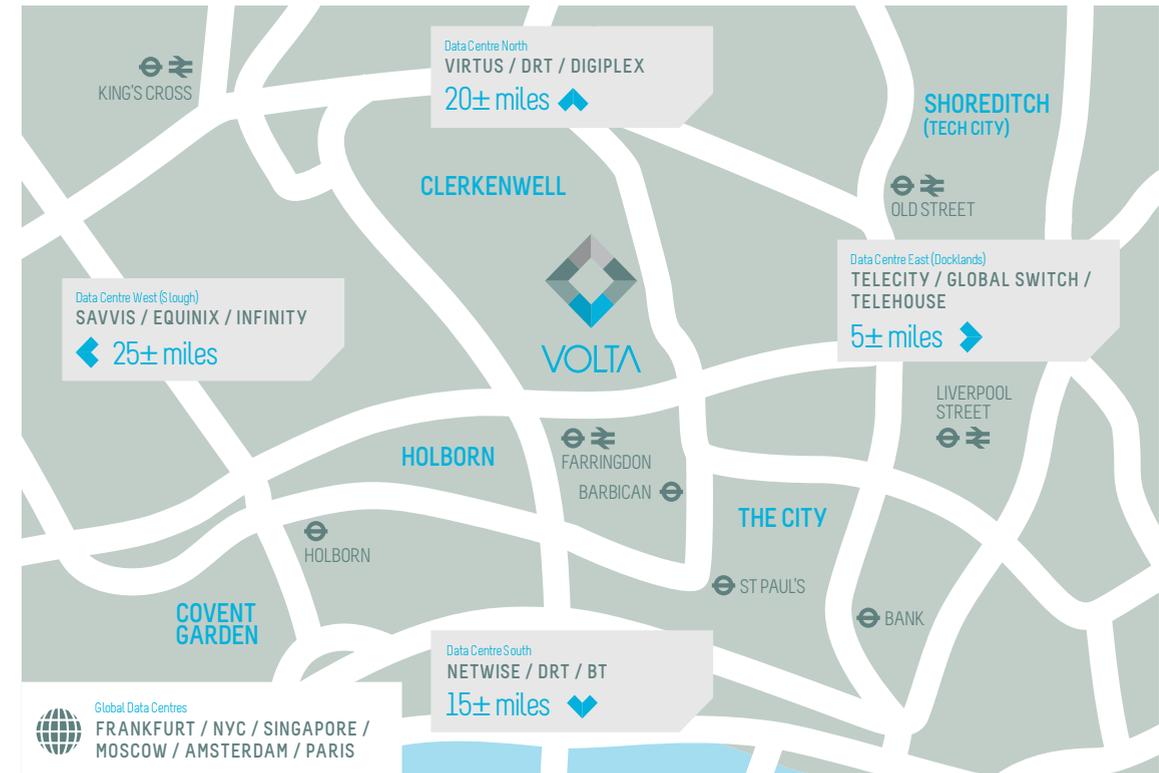




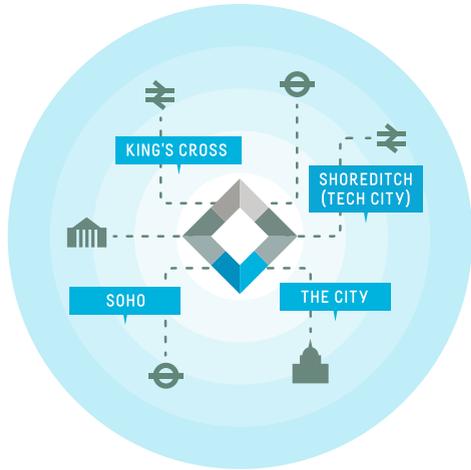


In addition to being highly resilient and a concurrently maintainable Tier III standard, Volta Data Centres's Colocation London provides the '4 Cs' that the capital's businesses need to easily and securely connect to local communities and global markets.

- ◆ CONVENIENCE
- ◆ CONNECTIVITY
- ◆ CAPABILITY
- ◆ CUSTOMER SERVICES



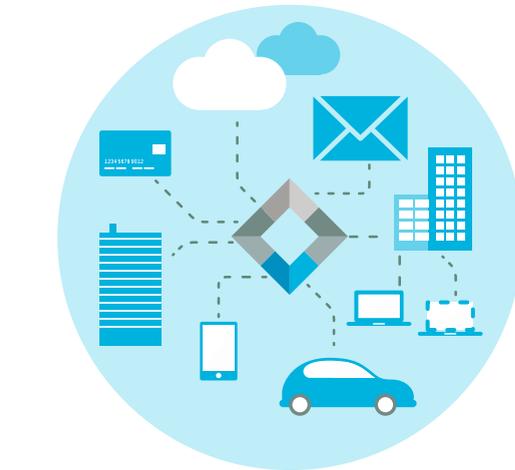
INTRODUCING COLOCATION LONDON.◆



CONVENIENCE

Travelling to facilities outside central London can result in non-productive use of time, and has many hidden costs. Choosing Volta Data Centres – located only a kilometre from St Pauls – is the smart decision for any central London business.

As well as a convenient Zone 1 location, Volta Data Centres is also undoubtedly the most powerful and resilient data centre within central London – the perfect IT infrastructure partner for businesses and organisations in the capital.

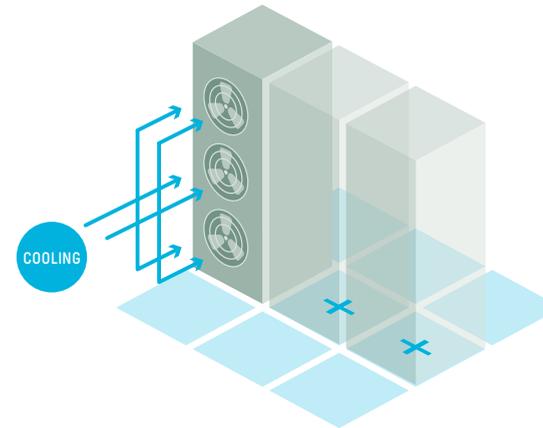


CONNECTIVITY

Housing your mission critical apps and data in Volta Data Centres provides both flexibility and opportunities for direct connections to carriers, providers and partners.

Volta puts your business at the heart of the internet's most powerful services and gives you access to global markets and customers – dramatically increasing your business's capabilities. There are multiple diverse entry points into the building and a host of Tier 1 and Tier 2 carriers.

COLOCATION LONDON ADVANTAGES. ♦



CAPABILITY: SMART, SECURE, RESILIENT

Volta Data Centres is at the forefront of modern cooling technology. Data centres traditionally use CRAC cooling, which will only suffice for IT loads of a few kW's per rack. Volta's specially developed row-based cooling system increases efficiency and scalability, and is purpose built to handle IT equipment whose peak power density is 20kW per rack and beyond.

The Volta system has the following benefits:

- The ability to put high density racks adjacent to traditional racks
- Enabling future-proofing for the latest server technology
- Making your data centre footprint scalable for high density.

Volta Data Centres is supported by upgraded power supplies, consisting of two separate, on site 33kV supplies, from two main grid substations. This gives Volta Data Centres two direct feeds on separate redundant grid rings, providing a level of resilience that no other central London facility can match.



CUSTOMER SERVICES

The Volta team has over 100 years of collective experience - their most critical performance measurement is customer satisfaction. Each customer relationship begins with an assessment of current and projected needs before developing a solution that suits this exact requirement.

The Volta team takes pride in an outstanding level of engagement and service – whether you are a new customer or an existing long-term partner.



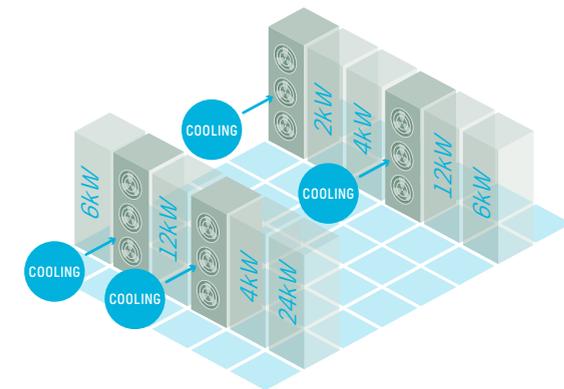
THE HIGHEST
STANDARD
INFRASTRUCTURE. ♦

Failure to achieve sufficient air distribution threatens the performance of your mission-critical equipment – this in turn could have a serious impact on your business' performance.

Volta Data Centres utilises unique row-based cooling to ensure that your equipment sits in a stable and efficient environment. This modular system provides unmatched levels of flexibility and scalability, meaning that Volta Data Centres can cool traditional IT loads of a few kW, or racks full of high density blade enclosures.

Via this advanced method, the rejected heat is captured using an internal plenum and the exhausted hot air is isolated from the cold supply, which is injected into the cold aisle.

This cooling system allows both Volta and our customers to view the intake temperatures, discharge temperatures, peak loads and fan speeds in real time.



Having an embedded, self-protecting 'hive' logic, each cooler continually monitors adjacent units for faults, automatically adjusting to full capacity to protect the space and hardware.

With resilience of N+1 per unit and using 42% less fan power than the standard CRAC units used in most facilities, Volta's row-based cooling is both flexible and efficient.



ADVANCED ROW-BASED COOLING. ♦

GENERAL

- Gross size of data centre: 91,000 sq ft
- Building type: stand-alone data centre
- 4 data floors
- 4 IT zones
- 550 kg/m² maximum floor load capacity
- 300mm maximum raised access floor height
- 2.5 metres raised floor to ceiling height
- Goods lift with 1.5 tonnes maximum load

COOLING

- Maximum cooling capacity of 10.6 MW
- Row-based cooling system
- Cooling redundancy: N+1

FIRE PROTECTION**Detection**

High sensitivity smoke detection system (VESDA)

Suppression

HI-FOG & IG55

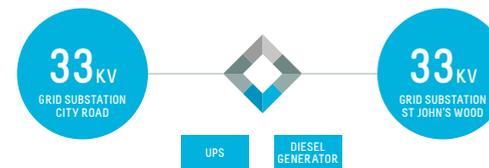
CONTROL

- Building Management System (BMS)
- Cabinet Monitoring System (CMS)
- Supervisory Control and Data Acquisition (SCADA)
- Quality management: ISO 9001
- Environmental monitoring: ISO 14001
- Information security management system: ISO 27001: 2013
- H&S Performance monitoring: OHSAS 18001
- Cable management
- Customer support
- 24x7x365 manned on-site M&E
- PCI Data Security Standard (PCI DSS)

POWER

Volta offers industry leading resilience in central London benefiting from two separate 33kV supplies, from two independent grid substations.

- Total incoming feed capacity (MVA): 9.6 (by Q1, 2015)
- Diverse power routes
- Generator type: static
- Generator capacity: 15MVA
- Generator redundancy: N+1
- Diesel fuel level and quality measuring system: 2N
- Generator fuel at full load (hours): 24
- UPS type: static
- UPS capacity: 6000 kW
- UPS redundancy: N+1
- UPS autonomy (minutes): 5

**SECURITY**

- 24x7x365 access
- Proximity card
- Time & date stamp
- Personal attack alarm buttons
- 24x7x365 manned on-site security
- HDCCTV throughout

CONNECTIVITY

- 7 diverse entry points into building
- 2 meet-me rooms

CERTIFICATIONS

GENERAL SPECIFICATION.◇

EFFICIENTLY POWERED & HIGHLY SECURE.◇

Located in close proximity to the City, the West End and London's new-media hub in Shoreditch (dubbed 'Silicon Roundabout'), Volta Data Centres is the ideal location for all Cloud and managed service providers, financial, media and content companies. This location, combined with nine (and growing) Tier I carriers, guarantees ultra-low latency and resilience, as well as an unrivalled power supply.

The stand-alone island site is easily accessed from both the City and the West End.

NEAREST LONDON UNDERGROUND STATIONS

Barbican (645m)

Circle, Hammersmith & City, Metropolitan lines

Farringdon (800m)

Circle, Hammersmith & City, Metropolitan lines

Old Street (1,130m)

Northern Line (Bank branch)

Angel (1,130m)

Northern Line (Bank branch)

NATIONAL RAIL

Farringdon (800m)

City Thameslink (1,300m)

Moorgate (1,610m)

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