



Revolutionise your infrastructure  
with next-gen Colocation  
solutions

[www.aqi.com](http://www.aqi.com) | [enquiries@uk.aqi.com](mailto:enquiries@uk.aqi.com) | 0113 320 3040

## Our Heritage

With over two decades of experience as a leader in telecommunications, aql delivers innovative solutions in mobile messaging, IP telephony, and IoT connectivity.

In addition to being a mobile network operator, our APIs enable businesses across all industries to go to market quicker, providing best in class integrations.

Our robust infrastructure has supported billions of SMS messages and billions of voice minutes, ensuring secure and reliable communication services that empower a connected society.



"We spent a lot of time finding a location and aql's datacentre ticked all the boxes. The things that really stood out to us were, the location, having security present 24/7 in the building, and the thought that goes into everything the aql team does for its customers."

**Chris Piggott**  
CEO of Synextra



"Working with aql, we knew that security, power, fire suppression services and redundant links would all be taken care of, so we could focus on our work without having to worry."

**Steve Rogers**  
Coventry University

## The Heart of Leeds



aql is the only central Leeds Data Centre operator. Our prime location provides carrier-neutral, diverse physical fibre interconnects to all major national operators.

As well as being the birthplace of Leeds United Football Club, Salem Chapel is a Grade II listed building. It was renovated and restored by aql in 2009 when it became our headquarters.

## Contents

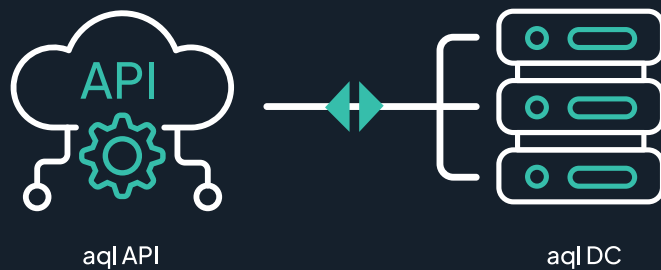
Revolutionise Your Infrastructure  
National Network  
Our Data Centres  
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High-Performance Computing  
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# Revolutionise your Infrastructure with Next-Gen HPC Colocation Services

By leveraging aql's Tier 3+ colocation services, you entrust us with the management of power, security, and maintenance for your servers and equipment, while gaining access to our expansive national network.

As a leading telecoms operator, our telephony API services are seamlessly accessible from any of our data centres, including messaging, voice, IoT, and mobile networking access.

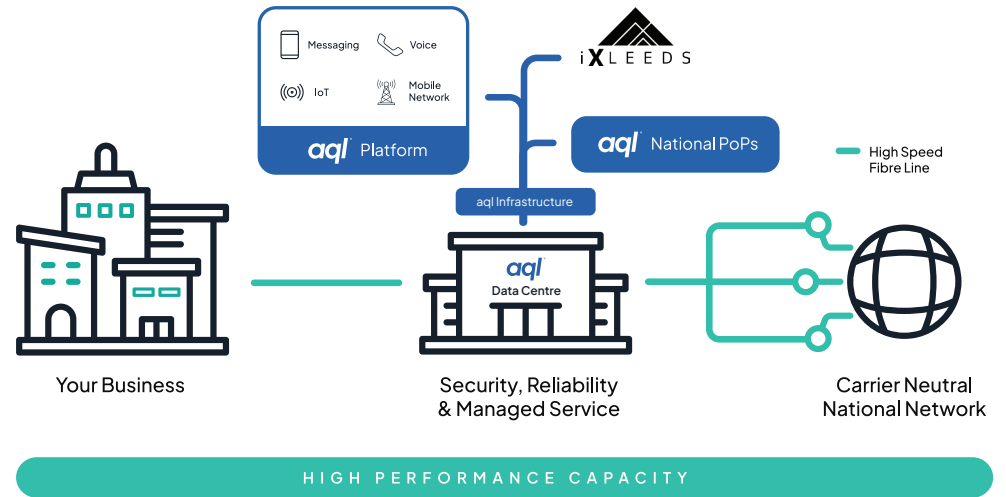


This national network is supported by carrier neutrality, high performance computing, and our affiliation with the not-for-profit organisation, IX Leeds.

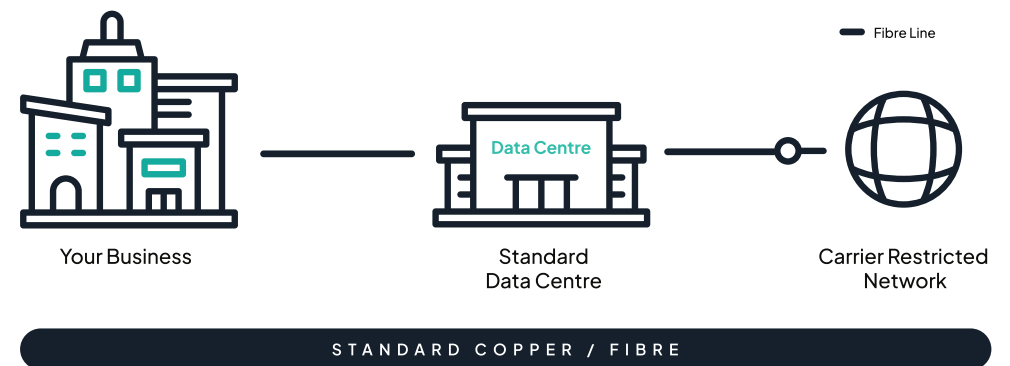
- ✓ Cost savings
- ✓ Scalability
- ✓ Security
- ✓ Managed service
- ✓ Reliability and uptime
- ✓ Expert support

Our state-of-the-art, high-security data centres are strategically situated throughout Leeds, each exclusively owned and operated by aql. Each rack in our carrier neutral data centres allows access to our unique national network and scalable technologies.




## aql Pathway to National Network



## Standard Data Centre Pathway



## Map Key

-  Data Centre/s
-  PoP (Point of Presence)
-  Fibre Connectivity



## National Network

### aqI Points of Presence: Leeds

- Salem Chapel, Leeds (DC2 & DC3)
- Canon House, Leeds (DC5)
- The Calls, Leeds
- Capital Way, Leeds
- Elland, Leeds

### aqI Points of Presence: North

- Equinix Williams & Kilburn, Manchester
- Barton Dock, Manchester
- York
- Bracewell
- Bispham

### aqI Points of Presence: non-UK Sites

- NIK Amsterdam
- INX Frankfurt
- TH2 Paris
- Telecity 2 Amsterdam
- ManxIX Isle of Man
- Norway
- Denmark

### aqI Points of Presence: South

- Woodwalton, Cambridge
- Fawley
- Hounslow

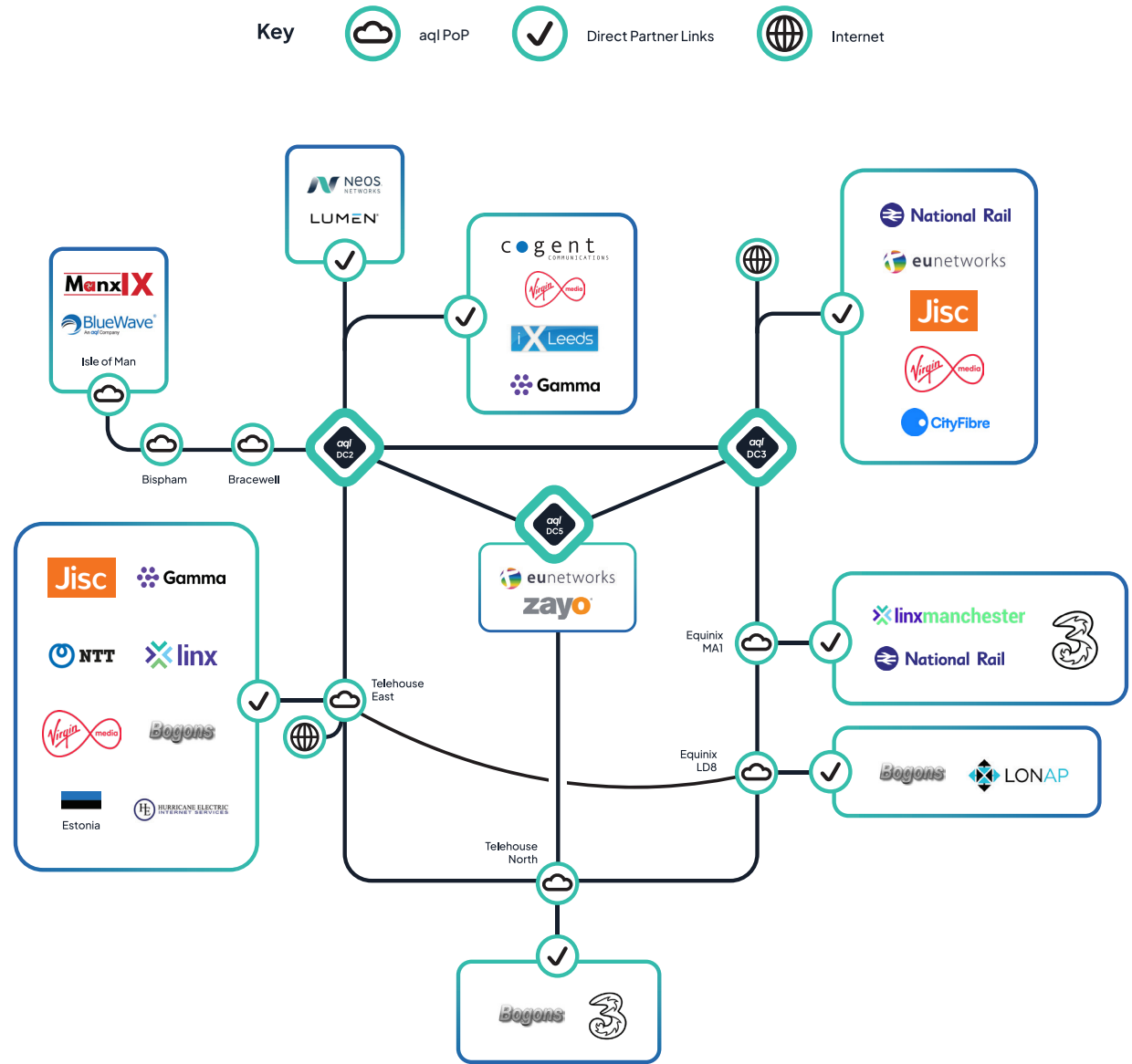
### aqI Points of Presence: London

- Telehouse North
- Telehouse East
- Equinix, Meridian Gate
- Equinix, 6/7 Harbour Exchange
- Equinix, 8/9 Harbour Exchange
- Equinix, Sovereign House
- Equinix, Bonnington House
- Interxion Hanbury Street/Brick Lane
- Global Switch, Nutmeg Lane
- City Lifeline, Clifton Street
- Century Link, Goswell Road
- Century Link, Braham Street
- London Hosting Centre (Telstra)


# Carrier Neutrality

Our state-of-the-art, high-security data centres are strategically situated throughout Leeds and each of them is exclusively owned and operated by aql. Each rack in our carrier neutral data centres allows access to our unique “network of networks”, a wealth of heavily interconnected networks that offer full geographic resilience and span multiple sites across the UK and into Europe.

Home to central Leeds’ only data centres, DC2, DC3 and DC5 benefit from prime locations, providing carrier-neutral, diverse physical fibre interconnects to all major national operators.







**Interconnected.  
Resilient.  
Carrier-neutral.**

# Exploring Our Data Centres

Situated in the heart of South Bank, Leeds, aql data centres boast a prime location for diverse physical fibre interconnects to all major national operators. Our data centres offer a Tier 3 solution, also meeting many Tier 4 criteria, which suitably means they are positioned as "Tier 3+." This enhanced rating ensures a more resilient and secure solution.

## Salem Chapel



### DC2 130m2

DC2 is located at Salem Chapel in Leeds, the same site as aql's DC3. It operates independently to a Tier 3+ standard. This facility is primarily utilised for carriers.

### DC3 230m2

DC3 is an Impact Level 5 (IL5)-rated (tier-3 equivalent), high-capacity site, offering secure, high-quality, carrier-neutral colocation services and access to aql's specialist network, resources and support.

## Canon House



### DC5 650m2

Based just outside of Leeds city centre, DC5 is a multi-storey facility designed for everything from standard hosting to HPC.



### Shared Northern DC 650m2

In partnership with Jisc, aql offers members (including research and educational institutions) placement within the shared data centre north, located in DC5. This includes complimentary peering options to other members, as well as privileged access to our HPC facilities.

The Jisc logo consists of the word "Jisc" in a white, sans-serif font, centered within a solid orange square.

Since 2008, aql has fostered a robust partnership with Jisc, diligently shaping the technological landscape behind the northern shared data centre. DC5 stands as a beacon of connectivity, directly integrated into the core of the Janet network.

- ✓ Complimentary peering options
- ✓ Multiple 100Gb connections
- ✓ Privileged access to our state-of-the-art HPC
- ✓ Tailored solutions for data-intensive projects

"The partnership with aql means that our members can procure off-site data centre services that frees-up IT teams to better support staff and students. We look forward to working with aql ... via the framework and developing our relationship to deliver more cost-effective, energy-efficient and scalable services."

**Alec Wright**  
Cloud and Data Centre Services Manager



Launched in September 2010, IX Leeds, is a unique, not-for-profit internet exchange. This dynamic data hub provides access to an extensive network of regional and national peers, whose objectives are to bolster network resilience, minimise latency, and curtail overall traffic backhaul costs towards London.

Colocation customers gain access to free interconnects to IX Leeds, giving them the opportunity to peer with many of the UK's IP connectivity providers.



# Rack Availability

Each of aql's Leeds-based data centres offer full racks, half racks, quarter racks and custom configurations to customers looking to use our colocation services.



### Shared Rack

Used for smaller businesses



### 1/4 Rack

Standard business dependent on requirements



### 1/2 Rack

Standard business dependent on requirements



### Full Rack

Standard business dependent on requirements



### Pods

Used by larger organisations such as universities

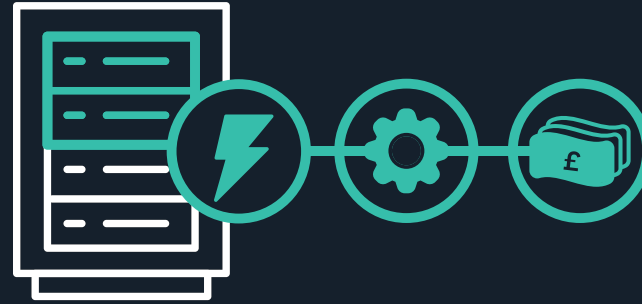
## Why use aql Colocation?

Home to central Leeds' only data centres, aql's prime location provides carrier-neutral, diverse physical fibre interconnects to all major national operators. Our cutting-edge data centre network facilitates prime access to the region's thriving business community. Each DC boasts Tier 3+ state-of-the-art infrastructure, stringent security measures, and expert support, ensuring optimal performance and reliability for your critical IT operations.

- ✓ Dual power feeds on resilient paths for uninterrupted service
- ✓ Real-time power tracking available through the customer portal
- ✓ Intelligent hands services provided by skilled aql engineers
- ✓ 24/7 intelligent hands support for priority incidents
- ✓ Access to aql's high-speed, extensively peered network
- ✓ Seamless low-latency connectivity to our voice gateways for IP telephony clients
- ✓ State-of-the-art resilient power, environmental management, and fire-suppression systems
- ✓ Accommodation for Enhanced 47U racks and up to ETSI 21" racks

## Real Time Power Data

Our intelligent IoT hardware is integrated into every rack, enabling us to accurately measure power usage. Through our portal, customers can access real-time data, allowing them to observe minute-by-minute correlations between task completion, power usage, and resulting charges. This level of insight enables customers to prioritise tasks effectively and accurately forecast billing cycles.



# High-Performance Computing (HPC)

aql have industry leading capabilities with our purpose-built high-speed network, meticulously crafted for AI, voice, and data-intensive tasks. Our HPC facilities play an indispensable role for academic institutions and industries focusing on innovation.

Discover the power of our HPC offering across various domains:

- ✓ Conduct advanced scientific simulations
- ✓ Fulfil AI requirements
- ✓ Facilitate intricate financial modelling
- ✓ Harness Machine Learning (ML) applications
- ✓ Enable real-time processing of vast data volumes

Choosing to collocate with us grants access to aql's rapid, low-latency, national network. This allows you to connect with a diverse array of providers that perfectly align with your specific needs.



## Security & Reliability

aql's colocation services are highly secure and reliable. Our state-of-the-art facilities and highly trained team of specialists ensure the safety and security of the facilities 24/7.

- ✓ 99.9999% Uptime
- ✓ Staff are DBS checked
- ✓ ISO 27001 certified
- ✓ Regular disaster planning
- ✓ 24/7 security SIA certified

**ISO 27001**



aql's information-security management system is ISO 27001 certified. Explore the reassurance of aql's ISO 27001 certified Information Security Management System. As part of our commitment to safeguarding your data, we regularly conduct test scenarios to enhance our resilience against diverse natural and man-made disasters.

Our dedicated teams undergo continuous training facilitated by our Regulatory Compliance Board, ensuring their proficiency in maintaining the seamless operation of our data centres even amid unexpected incidents. Every test is meticulously documented, and our teams are well-prepared to respond effectively in the event of a genuine incident. Your data's security is our top priority, and our proactive measures ensure uninterrupted service and peace of mind.

## Environmental Management

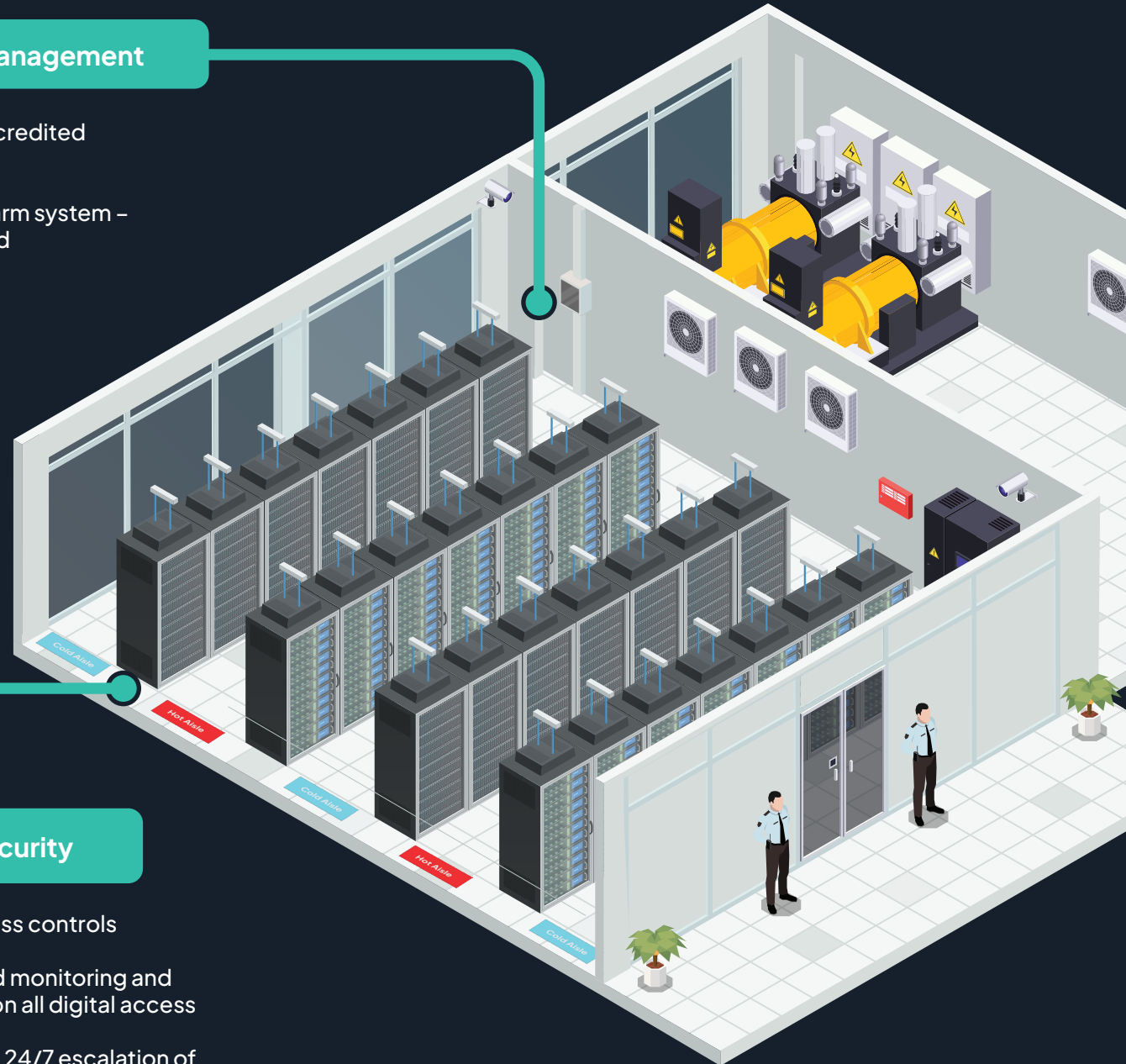
- IL5 government accredited (tier-3 equivalent)
- Comprehensive alarm system – including above and below-floor zones

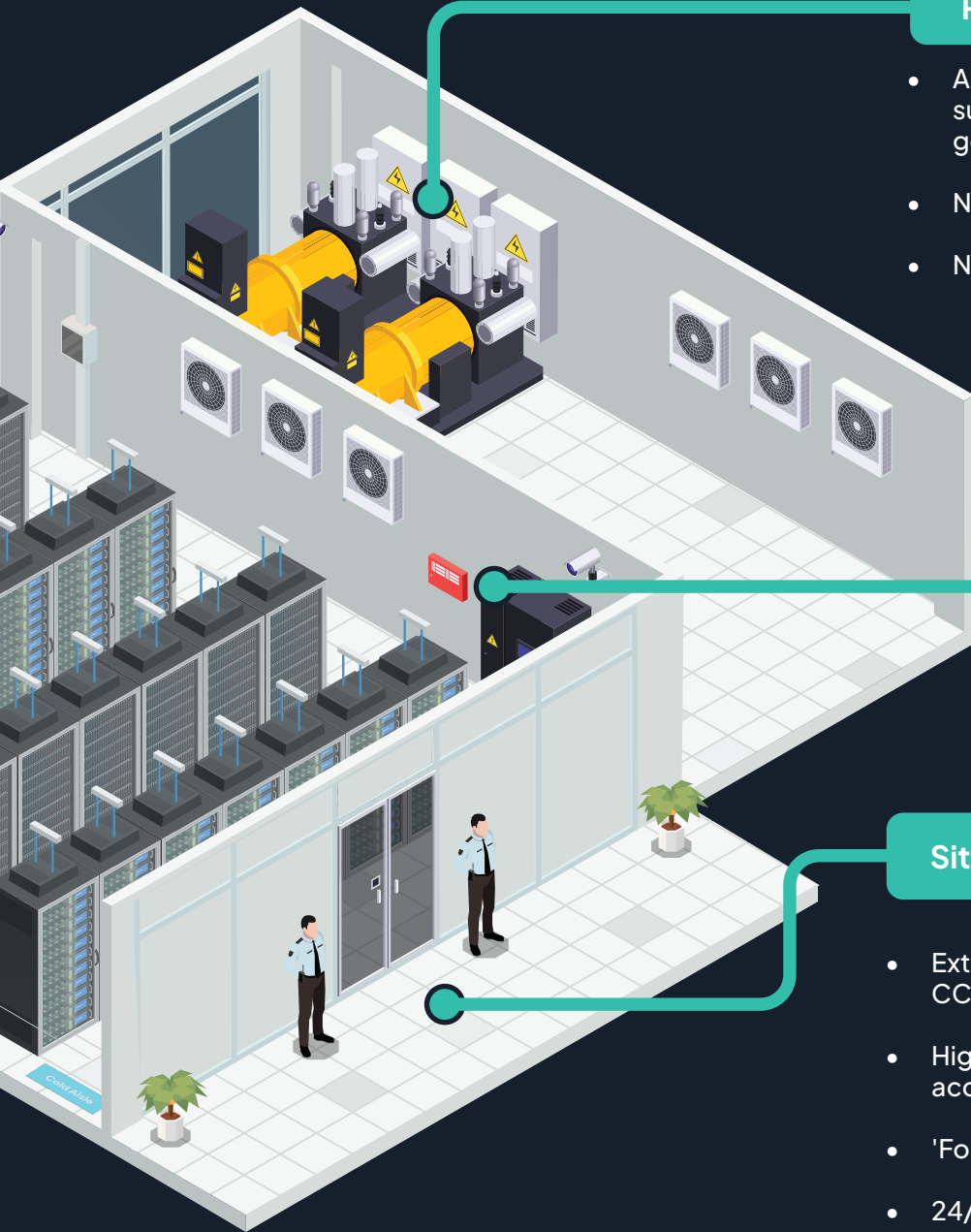
## Cooling Protection

- Hot and cold aisle set-up to reduce carbon footprint and improve DC efficiency
- N+1 cooling units

## Cyber Security

- Strict access controls
- Automated monitoring and reporting on all digital access
- Immediate 24/7 escalation of any action or event impacting aql network security





## Power Protection

- All aql data centre facilities are supported by 1 megawatt of N+1 generators
- N+1 diesel generator backup
- N+1 dual vendor UPS protection

## Fire Protection

- State-of-the-art environmental management in place to safeguard equipment
- FM200 / IG55 fire suppression systems active on the premises
- Very early smoke detection apparatus (VESDA) fire-detection system

## Site Security

- Extensive motion-sensitive CCTV system
- High security, Impact Level 5-accredited data centres
- 'Fob-in, fob-out' Airlocks
- 24/7 on-site, dedicated security staff
- IL5 government accredited (tier-3 equivalent)
- Comprehensive above and below-floor alarm system
- All security staff are SIA-certified
- All aql staff are DBS checked

# Contact Us

If you're interested in talking to one of our specialists, please send an email to [enquiries@uk.aql.com](mailto:enquiries@uk.aql.com) or scan the following QR code to fill in an enquiry form.



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# Other Products & Services

## Did you know...

If you sign up to our colocation services, not only will you be benefiting from our Tier 3+ colocation, you will also gain access to discounted rates on our other services, which are listed below.



Messaging



Voice



MNO, 4G & 5G



Data SIMs



Connectivity



Colocation



Core IoT



Low-orbit Satellite

Read on to learn more about what we offer.

## What does aqi messaging provide?

With over 25 years of experience in the messaging industry, we offer a reliable, scalable messaging service to meet your business' needs. With interconnects to all major networks and providers, and a robust network with multiple points of resilience around the country, our SMS are strategically routed for maximum reliability and optimal performance. Millions of customers' SMS are sent through our platform every day, allowing us to be the driving force behind your messaging success.

### One-way SMS:

Large scale direct-to-handset message delivery. This is ideal for messages that don't require a customer response.

### Two-way SMS:

Enables two-way customer engagement, for example gaining customer feedback.

### RESTful API:

Integrate our messaging platform into your existing infrastructure with our easy-to-use APIs.

### SMPP:

Send high volumes of SMS with our SMPP (Short Messaging Peer-to-Peer) platform. Engineered to handle up to 3,000 messages per second, our SMPP platform is perfect for high-volume SMS users and wholesale channel partners.

### HLR Network Lookups:

Ensures data is always cleansed using Ofcom and up-to-the-minute network data.

### Short Codes & Keywords:

Allows inbound SMSs to be easily categorised when a memorable 5 digit number is contacted.

## Numbering:

**Geographic numbers** allow you to use local numbers from anywhere, adding a personal touch to calls. These can be used for both voice and SMS.

**Virtual mobile numbers** can be used for both inbound domestic and international SMS.

**International numbers:** we can provide easily integrateable, localised numbers for most countries.

## Text-to-speech:

Allows SMS messages to be delivered using synthesised speech to both landline and mobile numbers.

## Email to SMS:

This platform allows any email client to send secure SMS messages to one or multiple contacts, in seconds.

## Strict Compliance:

Every SMS transmitted through our network is encrypted through end-to-end distribution channels, utilising UK-based servers and data centres. This secure approach ensures strict adherence to GDPR, The Data Protection Act, and ISO-related regulations.

## Scalability:

Our comprehensive messaging infrastructure is capable of handling millions of messages per day, allowing us to scale with you as your messaging needs grow.

Our customers



EMIS Iceland



ParentPay





## What do aql voice services provide?

Having offered VoIP services since 2003, aql is an experienced, mature provider with over two decades of experience in the voice industry. Our services are underpinned by Ribbon session border controllers (SBC) and provide robust SIP security and interoperability through our multi-site resilient architecture. With millions of minutes connected through our VoIP services, we enable critical services for customers across many markets, including banking, healthcare, finance, logistics, education and innovation.

### **Platform:**

All of our voice products can be used via API and the customer portal and have the capability for global reach that will scale with your business.

### **SIP:**

We offer a highly flexible SIP trunking service that can scale to meet the needs of our partners. As a PBX agnostic provider, there's no need to change your hardware, making onboarding fast and seamless.





### Numbering:

We have a comprehensive suite of numbering solutions and can provide: UK geographic (01x, 02x) and non-geographic numbers (03x, 08x) to service both local and national businesses. We also have a huge offering of freephone (0800) and international numbers.

### Voice Push:

We provide the technology to send text-to-speech messages to any phone number worldwide. This is typically used by many operators when an SMS is sent to a landline. This technology is based on the Google voice assistant and supports a wide selection of languages.

### Porting:

We have porting arrangements with all major telecom providers and our easy port-in/port-out policy makes porting simple.

### Number Hosting:

As an established and trusted service provider, we host over 80 million phone numbers for ourselves and other range holders.

Our customers



[aqi.com/products/voice](https://aqi.com/products/voice)

[enquiries@uk.aqi.com](mailto:enquiries@uk.aqi.com)

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## What does aql connectivity provide?

As a government-registered supplier of gigabit fibre connectivity, we deliver high-speed, high-capacity, low-latency internet solutions to hundreds of small and medium businesses, with optical wavelength services providing ultra-fast connectivity through our dark fibre routes. Our fast, reliable, cost-effective connectivity solutions help businesses achieve more.

### Super-fast Broadband:

aql provides fibre broadband with line speeds of up to 10Gbps. Our broadband offers symmetrical upload and download speeds.

### Wavelength Service:

Optical wavelengths from 10/40/100 Gbps upwards are now available from aql across our main dark fibre routes.

Our wavelength service operates on aql dark fibre to provide ultra-fast connectivity from the Isle of Man, through Leeds and on to the rest of the UK and mainland Europe, with onward connectivity from the nearest available point of presence (PoP) sites.

Our customers



[aql.com/products/connectivity](https://aql.com/products/connectivity)

[enquiries@uk.aql.com](mailto:enquiries@uk.aql.com)

0113 320 3040

## What do aql data SIMs provide?

aql data SIMs utilise our national network to provide secure connectivity in a variety of locations and situations. Data SIMs can be used to power remote devices and to transmit real-time data from IoT devices and remote devices.

### **Security and Control:**

Our 'secure by design' L2TP service allows mobile data to be routed from devices to a secure network platform via a private interconnect.

### **Expand your portfolio:**

Data SIMs provide an excellent opportunity for an additional revenue stream, allowing ISP resellers to expand your product range.

### **Control:**

With static IPs as standard, you can manage and monitor your SIMs remotely and L2TP provides you with control of data routing.

### **Backup:**

Business continuity is essential. Our SIMs can be used as a backup when a location's primary internet connection goes down, making sure your customers stay online.

# **aql**<sup>®</sup> Data SIMs

## **Temporary, mobile and remote locations:**

Our SIM cards provide an internet connection anywhere there is signal. Our SIMs are widely used in construction sites and mobile telemetry applications.

**aql Integrated:** All of the SIMs we provide are aql Core-ready, providing a plug-and-play capability, ensuring your IoT needs have minimal start-up time.

## **M2M (machine-to-machine):**

Our SIMs can be used in automated remote devices and IoT devices to send back data, for example in windmills and water fountains.

Our customers

**FluidOne**

**STARSHIP**

**claranet**



[aql.com/products/wholesale-sim-cards](https://aql.com/products/wholesale-sim-cards)

| [enquiries@uk.aql.com](mailto:enquiries@uk.aql.com)

| 0113 320 3040



## What does aqi 5G services provide?

aqi's 5G network supports organisations looking to underpin digital transformation. We provide public, private and specialist network services across education, healthcare, defence, logistics and marine & maritime. As a full GSMA member, we allow neutral host infrastructure and operate multiple frequencies across multiple jurisdictions.

### Open Access:

Neutral host infrastructure and roaming is delivered via GSMA roaming agreements.

Remote mast (macro or small cell) sites will be installed, routed over IPSEC-over-leased-line for customers requiring a non-standalone 5G instance.

UK-licenced operation can be enacted via shared access or local access licence.

Other frequencies available in other jurisdictions, including marine and maritime.

Get in touch if you'd like to discuss how we can cater to your specific requirements

### Static Network:

aqi are a fully regulated and licensed mobile network operator (MNO) and as such own a full 3G/4G/5G network.



### UK vendor technology:

UK vendor mobile Core and Edge / RAN.

### Temporary Network:

Through our mobile 5G mast we're able to provide fast connectivity speeds to even the most remote of locations.

### Delivery:

aql will provision, install and connect 5G radio infrastructure on site - either indoors or as an external mast site deployment.

### Our customers



[aql.com/products/5g-network-as-a-service](https://aql.com/products/5g-network-as-a-service)

[enquiries@uk.aql.com](mailto:enquiries@uk.aql.com)

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## What does aql's Core IoT platform provide?

aql's complete IoT solution and mobile network simplify IoT delivery so that businesses can make smarter decisions and drive change. With fully customisable dynamic dashboards, alarms and simple third-party integration, Core IoT allows you to handle your data your way.

### Platform:

Our complete IoT solution supports seamless Integration of any IoT sensor through our LoRa network, secure MQTT broker and through our expansive developer API.

### Open Standards:

Connectivity is key. aql Core and Edge enable easy integration of third-party sensors and software, using industry-standard protocols such as WiFi, Bluetooth, LoRaWAN, NB-IOT and 4/LTE and 5G.

### End-to-End:

Easily integrate any sensor type, through our flexible endpoints. Our mobile-first Platform provides all the capabilities you require from sensor capture, networking, management, and reporting. Easily ingest data through our LoRa Network Server or through the ThingsNetwork, ChirpStack and SigFox.



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### Developer Friendly:

Our platform is built for integration support, a restful Development API and MQTT, and UDP endpoints allowing industries to create truly unique IoT offerings.

### aqi Integrated:

Our intelligent IoT hardware is integrated into our data centres, enabling us to accurately measure power usage and be aware of notable environmental changes.

### Integrations:

Built in integrations for X, Slack, Zabbix, Grafana, InfluxDB, Facebook and LinkedIn and another WebHook endpoint.

Our customers



core.aqi.com | enquiries@uk.aqi.com | 0113 320 3040





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