The Customer

Public Research University (NDA)

A world-leading academic institution specialising in public health and global health research.

This university conducts data-intensive research programmes in collaboration with UK and international partners, requiring secure, reliable, and compliant data storage platforms to support research, analysis, and long-term data retention.

About PeaSoup

PeaSoup Cloud is an award-winning UK cloud provider delivering secure storage, backup, disaster recovery, and infrastructure services to public sector organisations and regulated industries.

All services are hosted in UK data centres and engineered using liquid immersion cooling and hyper-converged architecture, enabling exceptional performance, resilience, and sustainability—without additional cost to customers.

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Sustainable S3-Compatible Storage for Research and Higher Education

The Challenges

The university required a secure and scalable object storage solution to support research datasets and institutional data while maintaining strict controls over data location, access, and cost.
Key requirements included:

- Approximately **30TB of S3-compatible object storage**
- **UK data residency** to support GDPR, research governance, and institutional policies
- Compatibility with S3-native research, backup, and archive workflows
- High durability and availability for long-term data retention
- Transparent and predictable pricing to support academic budgeting
- A solution aligned with the university's **environmental sustainability commitments**

The institution required a trusted UK-based provider that could offer enterprise-grade storage without the complexity and cost volatility often associated with hyperscale cloud platforms.

The Solution

PeaSoup delivered S3-compatible object storage services, hosted exclusively in UK Tier 3 aligned data centres and optimised for regulated and research workloads.
The solution provides:

- **30TB of S3 object storage**, with the ability to scale as research programmes expand
- Full compatibility with industry-standard S3 APIs and tooling
- **UK-only data hosting**, ensuring compliance with data sovereignty
- Encryption of data at rest and in transit
- Optional object immutability to support data integrity, retention, and audit requirements
- **No ingress or egress data transfer charges**, enabling predictable cost control
- **Simple, transparent pricing** aligned with academic procurement models

By selecting a **UK-based storage provider using advanced cooling technology**, the university supports its sustainability objectives while maintaining secure and high-performance research infrastructure.

The Outcome

The university now benefits from a secure, compliant, and sustainable object storage platform, supporting the storage of 30TB+ of research and institutional data.
Key outcomes include:

- Assurance of UK data sovereignty and regulatory compliance
- Predictable and transparent storage costs
- Reduced environmental impact compared to traditional cloud storage platforms
- A scalable foundation to support future research growth

PeaSoup provides the public research university with a reliable UK-based alternative to hyperscale cloud storage, supporting both operational efficiency and institutional values.

For other case studies please visit: **www.peasoup.cloud/case-study**
or speak to us on +44 (0)1932 450 400.