Cloud Services **Sustainability** Professionals

Embracing immersion cooling technology to deliver modern-day cloud services for your business

- Infrastructure as a Service (IaaS)

- Disaster Recovery as a Service (DRaaS)

- Backup and Recovery as a Service (BRaaS)

ECO Cloud

(powered by liquid immersion cooling)

We continue to drive innovation and disruption in the Cloud Market by implementing new and revolutionary technologies. Our cloud infrastructure has been built on a sustainable liquid immersion cooling technology.

This technology provides sustainability, resilience and performance benefits, and significantly reduces energy consumption compared to traditional data centres. The use of immersion cooling technology allows for highly efficient cooling, helping to achieve an ultra-low PUE of 1.03. We'll continue to focus on efficiency and continuous innovation in the cloud infrastructure and data centres in years to come.
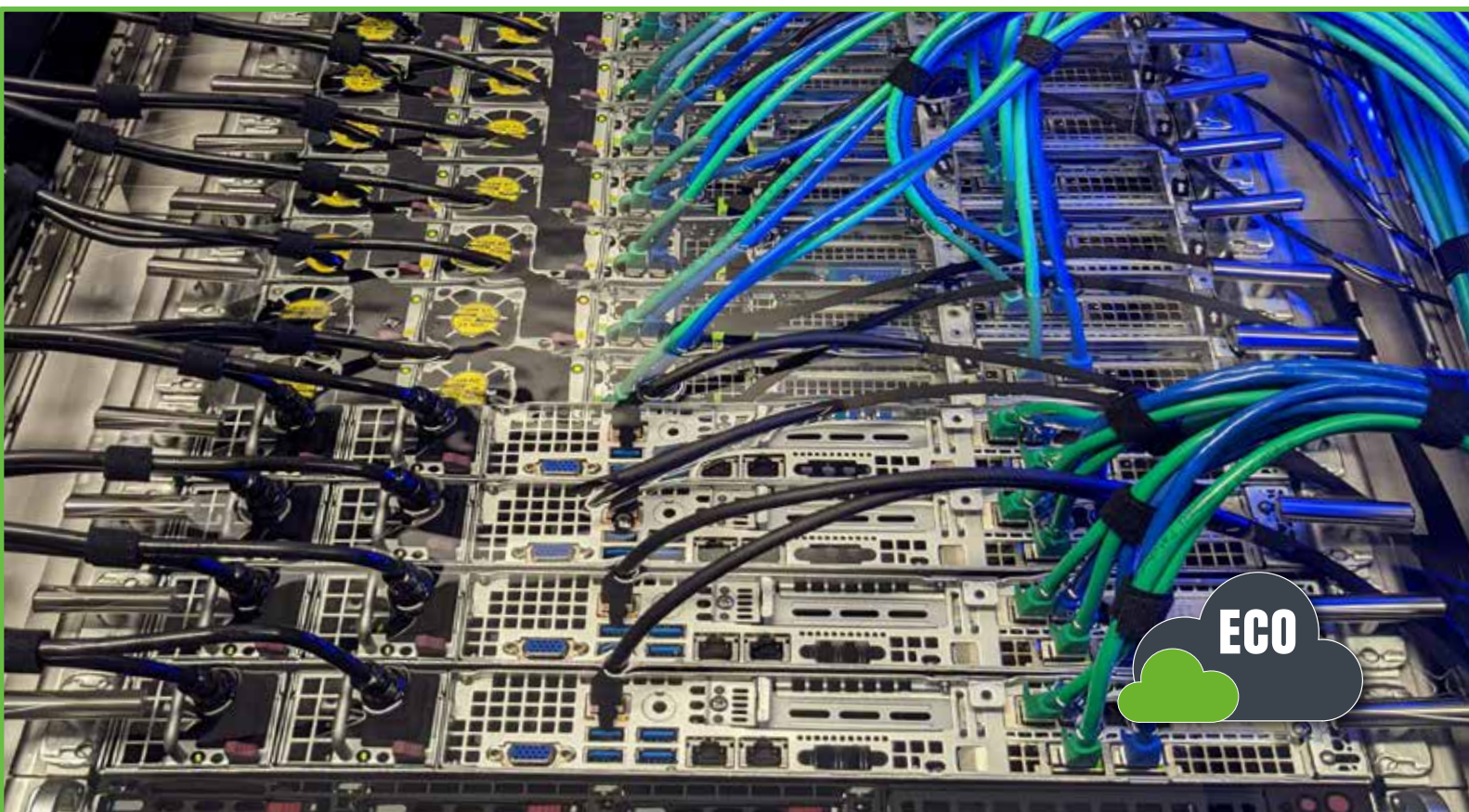
Benefits for You

- ✓ High performance and resilience from liquid cooling technology
- ✓ High availability - delivered with flexibility
- ✓ Ready for your high demanding applications
- ✓ Reliable, scalable & sustainable cloud infrastructure
- ✓ Tier 3 Data Centres powered by 100% renewable energy
- ✓ We can be added as your Scope 3 emissions supply chain provider to gain or maintain your competitive advantage

Why PeaSoup

We're a "born in the cloud" company, formed to create a cloud service, designed and built with a fresh business and technology approach. Our objectives are on delivering an innovative and top-quality cloud built as an entirely software-defined environment and exceeding the individual customer's needs.

- ✓ Tier 3 resilient lliquid immersed cooled data centres
- ✓ Our liquid-cooled servers are powered by 100% renewable energy
- ✓ Simple and transparent pricing model
- ✓ 24/7/365 technical support
- ✓ Real 99.99% uptime
- ✓ Data sovereignty

ECO Cloud - Powerful & Affordable

What's ECO Cloud?

ECO Cloud refers to the public cloud infrastructure (cloud computing) and the environmental benefits that come from liquid immersion cooling technology used in PeaSoup data centres.

- ✓ **Scalability** — through a pay as you use service, you can access the IT system your business requires when it needs it. Through virtualisation, scaling up or down the company systems can be done quickly and efficiently, and with minimum downtime.

- ✓ **Cost Savings** — cloud helps to move the IT infrastructure out of your premise. With this move, many of the costs associated with supporting on-premise servers, applications and data are vastly reduced.

- ✓ **Reduced downtime** — as opposed to your hardware failing, IaaS platforms rely on multiple servers and data centres. If one area fails other hardware resources are available immediately to pick up the slack.

- ✓ **Flexibility** — IaaS platforms can be accessed on-demand anywhere, as long as you have an internet connection, and you'll only pay for the resources used, keeping your costs down.

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How Cloud Can Help Your Business

Cloud services can help to run and expand any business by running efficiently without the burden of large capital investments. From **virtual data centres and data security to storage and GDPR** IaaS provides the ability to harness the latest technology & software.

- ✓ **IT infrastructure on demand** - enables you to scale up or down making the operations flexible.
- ✓ **Remote access** - allows anyone to connect seamlessly, anytime, anywhere on any device.
- ✓ **Higher efficiency** - more reliable than on-premise technology solutions. There is no need to constantly reinvest on highly speciailised IT resources.
- ✓ **Enhanced security** - cloud provides greater levels of data security than on-premise servers by air gapping backups protecting from data theft as well that of natural disasters.

Choose the cloud solution right for your company, either full cloud adoption or a hybrid model. The hybrid model enables you to utilise the cloud only for some of your business operations, whilst keeping some of your infrastructure on premise. The hybrid model is often used for online protection against cybercrime, theft, natural and technology disasters. **Backup and recovery and disaster recovery lead the pack of the hybrid cloud "as a services".**

> " PeaSoup is a solid organisation that we have trusted for over 4 years with our key front of house business applications, we are absolutely over the moon with the service provided. All in all, it's amazing value for money.
>
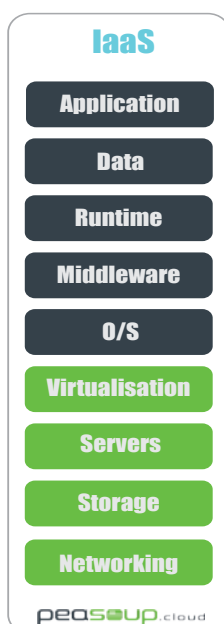> Steve Exeter - Head of IT, Clarins (UK) Limited "

Our Services

PeaSoup offers a reliable, secured, sustainable and cost-effective **Infrastructure, Disaster Recovery and Backup** as a Service. Our cloud services provide an outstanding level of **real 99.99% uptime**, with no caveats, no small prints. In real terms this gives us only just over 52 minutes per year maintenance time. Our selection of solid and trusted technology partners has helped us to achieve this excellence.
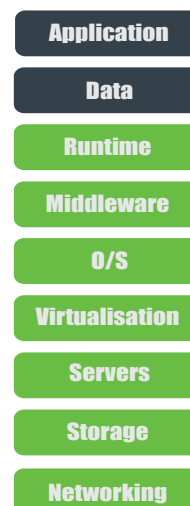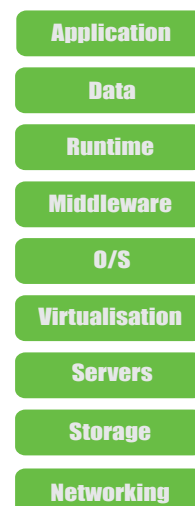
On-Premise	IaaS	PaaS	SaaS
Application	Application	Application	Application
Data	Data	Data	Data
Runtime	Runtime	Runtime	Runtime
Middleware	Middleware	Middleware	Middleware
O/S	O/S	O/S	O/S
Virtualisation	Virtualisation	Virtualisation	Virtualisation
Servers	Servers	Servers	Servers
Storage	Storage	Storage	Storage
Networking	Networking	Networking	Networking

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Cloud Infrastructure

PeaSoup supplies Cloud Infrastructure as a virtual Data Centre for each customer powered by liquid immersion cooling technology. This allows the customer to control and configure processing, storage, networks and other fundamental computing resources required for running applications and install the operating system and applications required. But these users do not need to manage and maintain the physical infrastructure of the server.

Infrastructure as a Service (IaaS)

Provides highly scalable infrastructure for applications, data and security.

✓ Cloud infrastructure based on a cutting-edge hyper-converged architecture.

✓ Deployed from **eco friendly** tier 3 data centres.

✓ Complete cloud service (virtual data centre) under your control - firewall rules, including NAT, site-to-site VPN, Client to site SSL-VPN, load balancers included as standard.

✓ Easy and intuitive user interface simplifying the management and administration.

✓ Virtual Machine (VM) hardware administration with "hot add" CPU, RAM, storage and network capabilities providing instant additional resource.

✓ Quick provisioning with an upfront and transparent fixed monthly cost.

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VMware Zero Carbon Committed™
PARTNERING FOR A SUSTAINABLE FUTURE.

Data Protection

Cloud Backup & Recovery (BRaaS)

Protects businesses against user and software errors, hardware failure, any security breaches, malicious deletion, theft, cybercrime, natural or technology disasters.

- ✓ Easy to deploy and manage.
- ✓ Low cost, based on a per GB basis only.
- ✓ Air-gapped protection from ransomware encryption, viruses and malicious deletion of data including internal backups.
- ✓ Additional automated temporary backup quota increases with no additional charges, to ensure the backups run successfully and comprehensively.
- ✓ Backup copy jobs to a dedicated PeaSoup data centre, fully compliant to the UK Gov data protection guidelines (NIST and CESG/NCSC).
- ✓ Full visibility and control of the off-site backups from your local Veeam console.

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Disaster Recovery (DRaaS)

Protects brands, loss of revenue and loss of customers.

- ✓ Protection against disasters and logical failures.
- ✓ Application consistency.
- ✓ No additional outbound charges for failback to live system.
- ✓ Part of the company continuity planning.
- ✓ Minimal disruption and downtime with low Recovery Time Objectives (RTOs).
- ✓ No performance degradation of production databases, applications and transactions.

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> " Engaging with PeaSoup, we aimed to have a replication of all critical services that could be tested and proven in advance without disruption to the live environment and without budgets spiraling out of control.
>
> *Pip Hignett - SA, Central Scotland Valuation Joint Board* "

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