OCF

BRILLIANCE. TOGETHER.

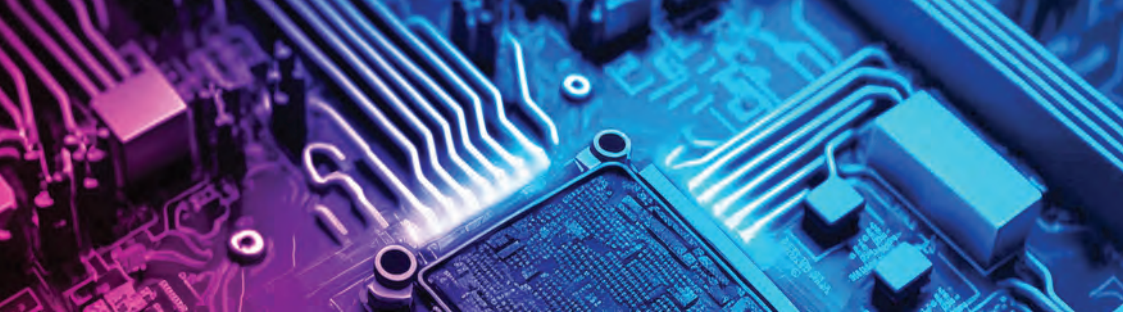# HPC, STORAGE, CLOUD & AI EXPERTS

ABOUT US

For over 20 years, OCF has delivered brilliance in high performance computing. Taking a consultative role between client and technology vendor, we combine technical expertise with trusted partnerships to develop cutting-edge solutions that help forward-thinking organisations break boundaries. High-performance technology is complex, and without a clear understanding of the requirements and objectives of a system, solutions will be destined to underperform - or worse, fail to meet the needs of the organisation.

OCF has a single mission: to bring technically brilliant people and brilliant partners together to achieve brilliance in high performance computing systems.

1. HPC SOLUTIONS AT ANY SCALE

OCF architects bespoke HPC solutions, offering consultancy services and the latest hardware to higher education, research organisations and businesses. Unlock accelerated success with an OCF integrated HPC system.

Leading the charge, OCF delivers scalable HPC solutions to organasations of every scale, from compact departmental systems to colossal supercomputers found within premier research institutions.

Our HPC services include:

- HPC Design
- HPC Installation
- HPC Software
- Compute Hardware
- HPC Interconnect

2. SOLUTIONS TO MEET THE MOST DEMANDING STORAGE CHALLENGES

At OCF, our prowess lies in crafting bespoke storage solutions precisely tuned to meet your specific performance and capacity demands.
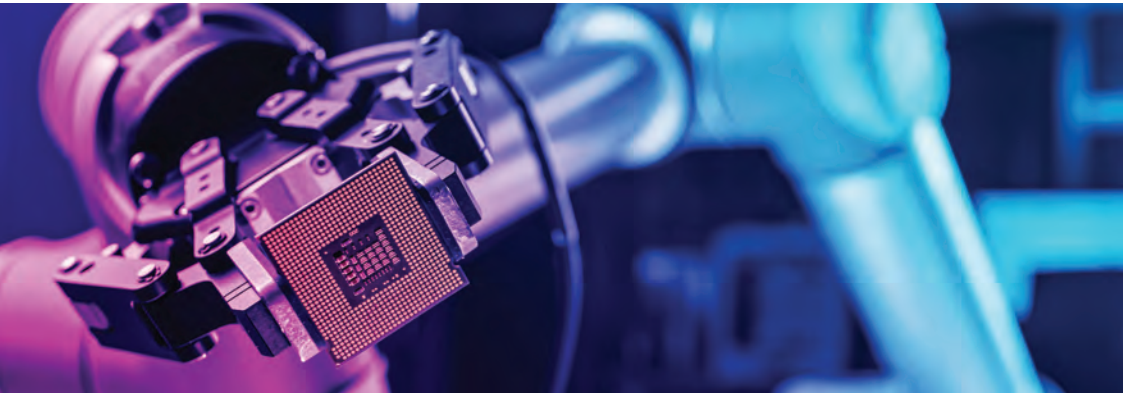
OCF have a diverse suite of storage options to satisfy the full spectrum of data needs. No workload is too vast in capacity or demanding in performance for the OCF Storage Team; we deliver expertly architected solutions that enhance and streamline our customers' operations.

- **HPC Storage**
- **Large-scale Storage**
- **Archive & Backup**
- **Design & Installation**

3. PIONEERING HPC CLOUD

OCF bring a wealth of expertise in HPC Cloud to deliver a suite of comprehensive services for organisations at any size. We cater to the varied demands of your workloads with versatile and robust solutions that encompass public cloud, private cloud, cloud-native technologies, cloud bursting capabilities, and containerisation.

Whether you're drawn to the expansiveness of the public cloud or seek the tailored experience of an on-premises setup, our solutions offer unparalleled flexibility and control. Trust in OCF to provide innovative and custom-fit cloud computing solutions that seamlessly align with your unique needs.

Cloud Burst   **Cloud Native**   **Private Cloud**

4. HELPING YOU ON YOUR AI & MACHINE LEARNING JOURNEY

At OCF, we understand that AI's transformative power extends beyond just cutting-edge hardware. We offer a holistic service that spans from initial consultancy and uncovering AI opportunities, to the seamless integration of sophisticated software and solutions that offer large scale compute capabilities.

Our unique blend of skills and strong partnerships distinguishes OCF, empowering us to guide you through every phase of AI adoption within your organisation—from visionary concepts to full-scale production.

AI HARDWARE

GPU-accelerated Hardware for AI & HPC. As an NVIDIA Elite Partner, our AI technologies are certified and optimised by NVIDIA for the best performance and cost-effectiveness.

AI SOFTWARE

GPU-accelerated software for deep learning frameworks and libraries that have been designed to automate and streamline various tasks.

AI CONSULTANCY

Consultation on integrating AI technologies into existing systems, optimising software for AI efficiency, and training courses on deep learning frameworks.

5. OCF STEEL STACK – CLUSTER MANAGEMENT SOFTWARE

OCF Steel Stack is a toolkit that allows HPC Administrators to manage their HPC estate including hardware, networking, operating system, scheduler/workload manager, applications, and programming tools.

OCF Steel Stack also offers both current and historical monitoring and performance metrics to give administrators an at a glance graphical view of the status of key components and more detailed metrics for advanced reporting and troubleshooting when required.

The OCF Steel Stack is complemented by OCF's inhouse expertise with services offered including project managed integration, consultancy, service level agreement backed support and Managed Services.

"Our team actively develop OCF Steel Stack to meet the constantly evolving needs of customers, partners and the wider HPC community. This enables OCF to deliver, support and manage best in breed HPC systems"

LAURENCE HORROCKS-BARLOW - TECHNICAL DIRECTOR

• **Based on Opensource technologies**

• **Highly available management infrastructure**

• **Highly Customisable**

• **Adapt OCF Steel Stack to your needs**

• **Interchange software components to suit your preferences**

• **Hardware agnostic**

• **Supports open enterprise operating systems**

• **Web based tools to monitor system health and metrics**

• **Easy cluster management**

• **Simple to maintain**

6. PROFESSIONAL SERVICES

Comprehensive HPC Consultancy, encompassing Hardware, Software, Storage, and Cloud Engineering. OCF's impartial experts bring together the right systems to deliver high performance solutions.

Our people are problem solvers, adapting a consultative approach to understanding the technical requirements of a system through to defining the solution, enabling you to deliver your vision. OCF offers professional services across hardware, software, storage, Cloud & AI. Using our teams of experienced:

⚙️ **Software, Hardware, Cloud and Storage Engineers**

📋 **Technical Presales Consultants**

🔧 **Project Managers**

7. OCF HPC MANAGED SERVICES
Is running your HPC system taking away from the smooth running of your organisation?

OUR SOLUTION

OCF's Fully Managed Service is designed to support organisations and businesses impacted by the shortfall in available talent, so that they can continue to focus on driving innovation.

WE OFFER:
- Access to a dedicated specialist HPC managed services team
- UK-Based Account Management & Technical Resources
- A cost-effective alternative
- Proactive monitoring and managing of your hardware and software
- Innovative solutions to your problems
- A flexible contract

We ensure your 'High-Performance' Computing lives up to its name, supporting you to achieve your business and research objectives.

OUR APPROACH

We may not be in the office with you, but we'll still be part of the team.
Our friendly and personable team will assist with day-to-day operations. Our collaborative processes and bespoke solutions will make it seem like we're an extended part of your organisation, rather than an outside entity.

We work proactively to keep your systems running their best, and in the event of an incident, we'll bring you quick resolutions to any and all problems and communicate what we're doing throughout. As soon as your system is back up and running we'll work hard to ensure it can never happen again.

WHAT OUR CLIENTS SAY

❝ OCF's Managed Services is an extension of our team and really helps to ensure the smooth day to day running of our HPC cluster and dealing with support issues, user requests and keeping on top of software and security updates. ❞

DEAN PHILLIPS – ASSISTANT DIRECTOR
DIGITAL AND INFORMATION SERVICES OF THE UNIVERSITY OF ABERDEEN

❝ OCF has been working closely with NNL to help work towards our business goals of delivering a new HPC service and bespoke solutions for our internal and external customers. OCF have supported the design, and development of the solution and encompassing service wrapper. ❞

HELENE HOBSON – IT PROJECT MANAGER – NNL

OUR PARTNERS

Ansys	CORNELIS NETWORKS	arm	GFS
DELL	IBM	intel	Lenovo
NetApp	NVIDIA	redhat	SUPERMICRO
SUSE	YELLOWDOG	STARFISH	run:ai
NICE	GRAPHCORE	FUJITSU	EAS
clarifai	Bacula	AMD	ATEMPO
RONIN	PROXMOX	ddn	DATARAM
Adaptive	veeam		

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