

PHOENICS on the Cloud (PHOENICS – OTC)



CHAM

Experts in CFD Software and Consultancy

PHOENICS is on the Cloud.

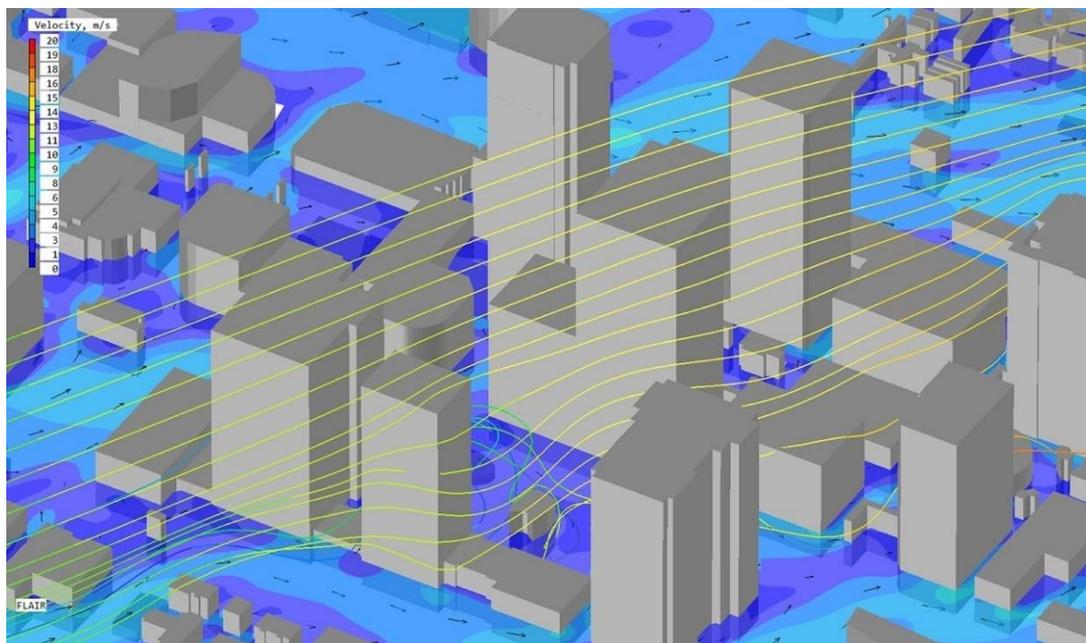
No matter the scale of your project, from small to extremely large, PHOENICS-OTC provides a cost-effective service in a pay-as-you-go format. It can be accessed from anywhere without the need for extra software running locally or any additional licences.

PHOENICS-OTC, comprising PHOENICS and its application-specific variants such as PHOENICS/FLAIR is supplementary to the monthly, annual and perpetual licensing offers available via CHAM and its Agents.

PHOENICS-OTC will suit customers wishing to make short-term, project-based use of the software and those needing access to powerful computing facilities to achieve fast turnaround running very large-scale models. Even the smallest cases can benefit from being run via PHOENICS-OTC on a cost-effective basis.

From September 2021, PHOENICS is accessible licence-free via the Internet, on a pay-to-use basis, on a selection of Azure's Virtual Machines (VMs) ranging from dual-core to 120-core VM options using the Microsoft Azure Marketplace:

<https://azuremarketplace.microsoft.com/en-us/marketplace/apps/concentrationheatandmomentumlimited1616154387047.phoenics>



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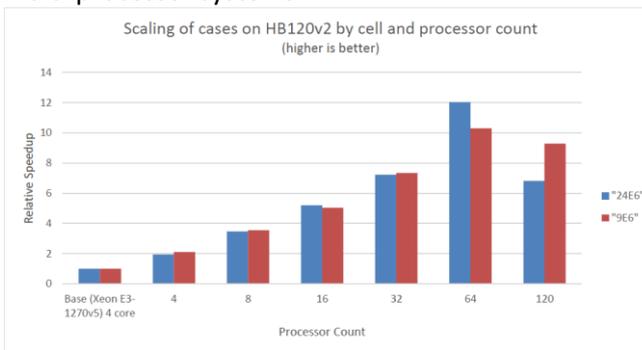
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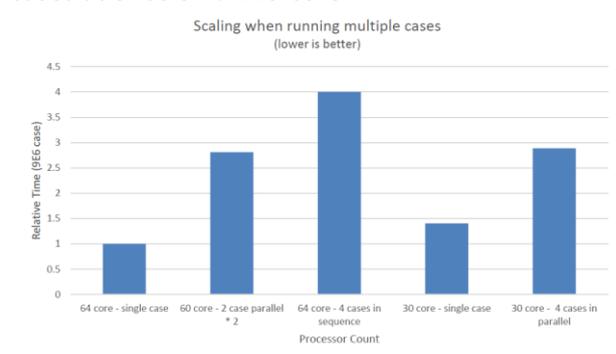
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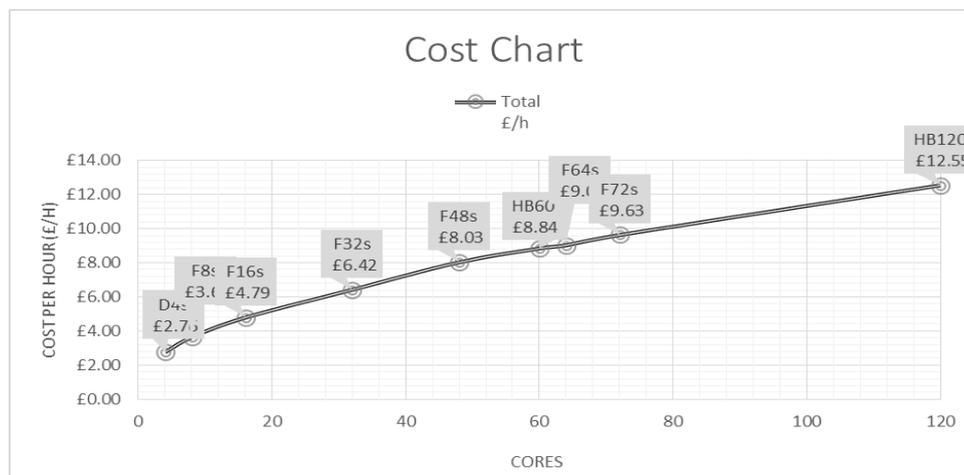
The graph below shows the scaling achieved for two sample cases of 9 million computational cells and 24 million cells respectively when run on a variety of multi-processor systems.



Similar benefits can be achieved when running multiple cases simultaneously. The graph below provides performance figures for running several cases at once on a 120-core VM.



This indicates that whilst a 120-core VM can indeed provide quick results for a single case, running two cases concurrently using (say) 60-cores each, or 4-cases using 30 cores each, achieves cost savings of >25%. Consequently, although the cost-per-hour is notionally higher when using the larger multi-core VMs, they can be particularly cost-effective for running multiple variations of simulation (e.g. for investigating multiple-wind conditions over a cityscape.)



If you are ready to try it for yourself, CHAM has produced the following link to help you get started:
[PHOENICS on the Cloud \(cham.co.uk\)](http://cham.co.uk)

CHAM provides software solutions, training, technical support and consulting services. Contact: Sales@cham.co.uk. For issues relating to PHOENICS Azure services contact: phoenics.cloud@cham.co.uk or call +44 (0)20 8947 7651.