



**ZENOTECH**  
SIMULATION **UNLIMITED**

**LINKING EXPERTS WITH USERS AND DATA**

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## About Zenotech

Founded in 2012

Based in the Bristol & Bath Science Park

Background in industrialisation of Computational Engineering research for  
Aerospace

Over 30 years of experience in the development and delivery of HPC software for  
production use

## Zenotech Products



High performance computational fluid dynamics solver

Best in class algorithms and numerics for accuracy and industrial performance

Energy efficiency and high turnaround using the latest in GPU and many core hardware



Scalable, secure and simple HPC on demand.

Connect with multiple providers, find the resource that matches your requirements.

Pay-per-use model, no capital expenditure

Manage clusters, jobs and data but also connect users with HPC expertise

# epic

Scalable, secure and simple HPC in the cloud



## Why?

Cloud providers are now offering compute services geared towards HPC and many traditional HPC centres offer services on a commercial basis.

*BUT*

Accessing these services can take a lot of upfront work, commercial agreements and HPC systems know how.

EPIC is designed to make access these services simple and secure - a one stop shop for finding resources and running your HPC workloads



## Key Features

Search, compare and use multiple HPC providers

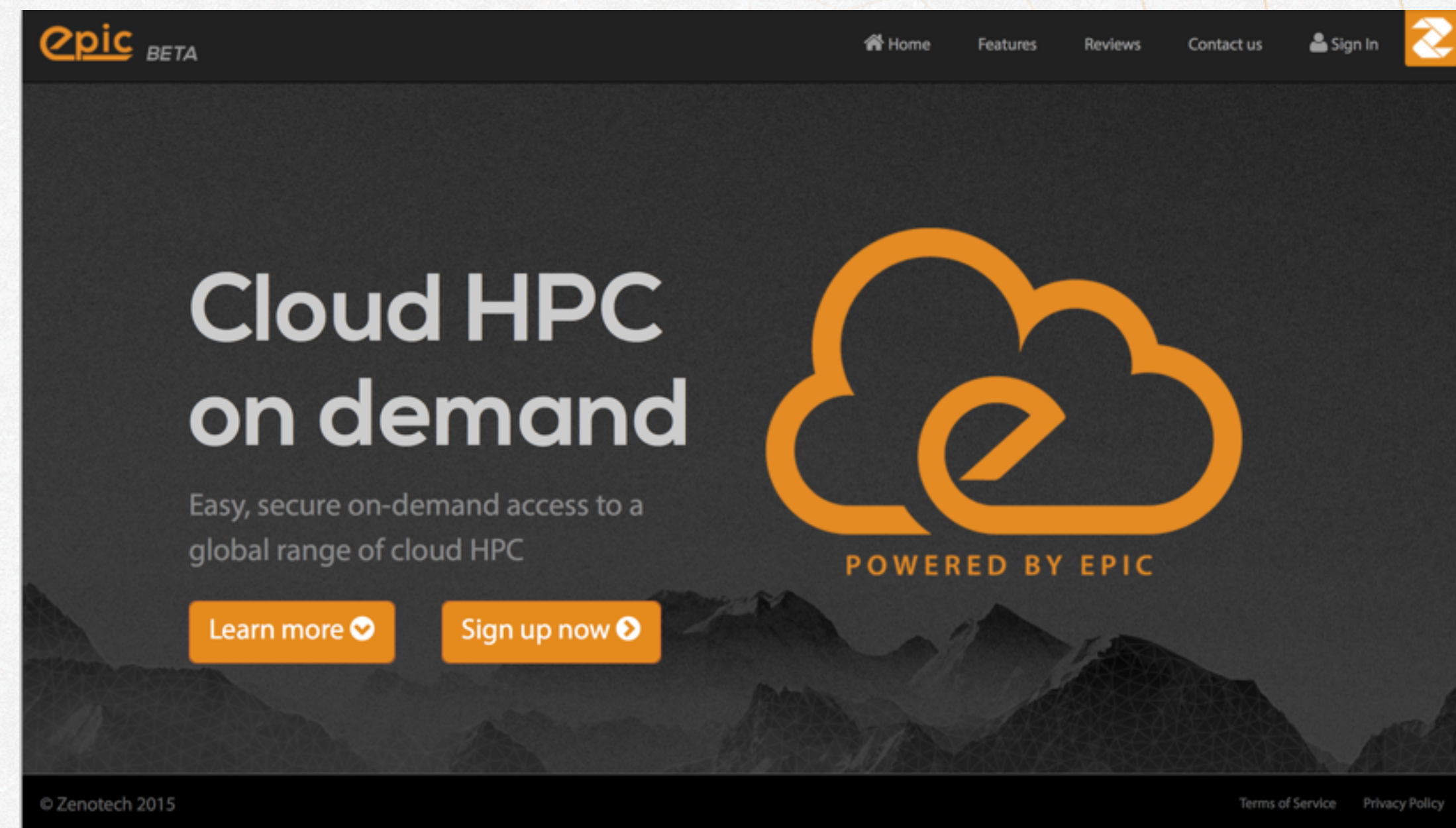
Access 1000's of CPU cores

Optimised applications

Manage your data in the cloud

Work as a team

Manage your HPC spend



EPIC offers access to various versions of OpenFOAM<sup>®</sup> and OpenFOAM<sup>®</sup> Extend

It offers a simple interface to submit OpenFOAM<sup>®</sup> jobs to a variety of HPC clusters

Run your OpenFOAM cases on HPC systems ranging from 3,000 to 10,000 cores

Accessing these resources lets you decrease your simulation turn around time or  
increase your simulation capability

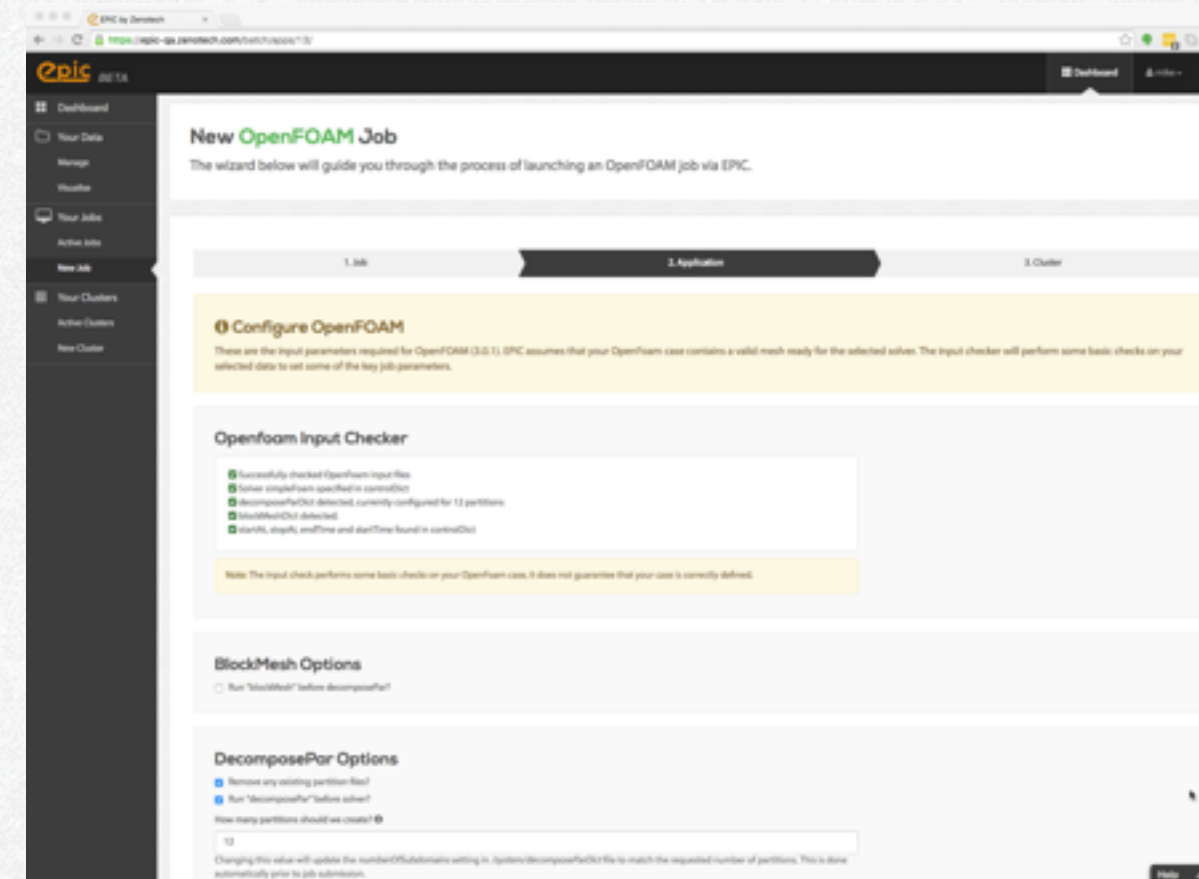
# 11th OpenFOAM Workshop

## EPIC and OpenFOAM

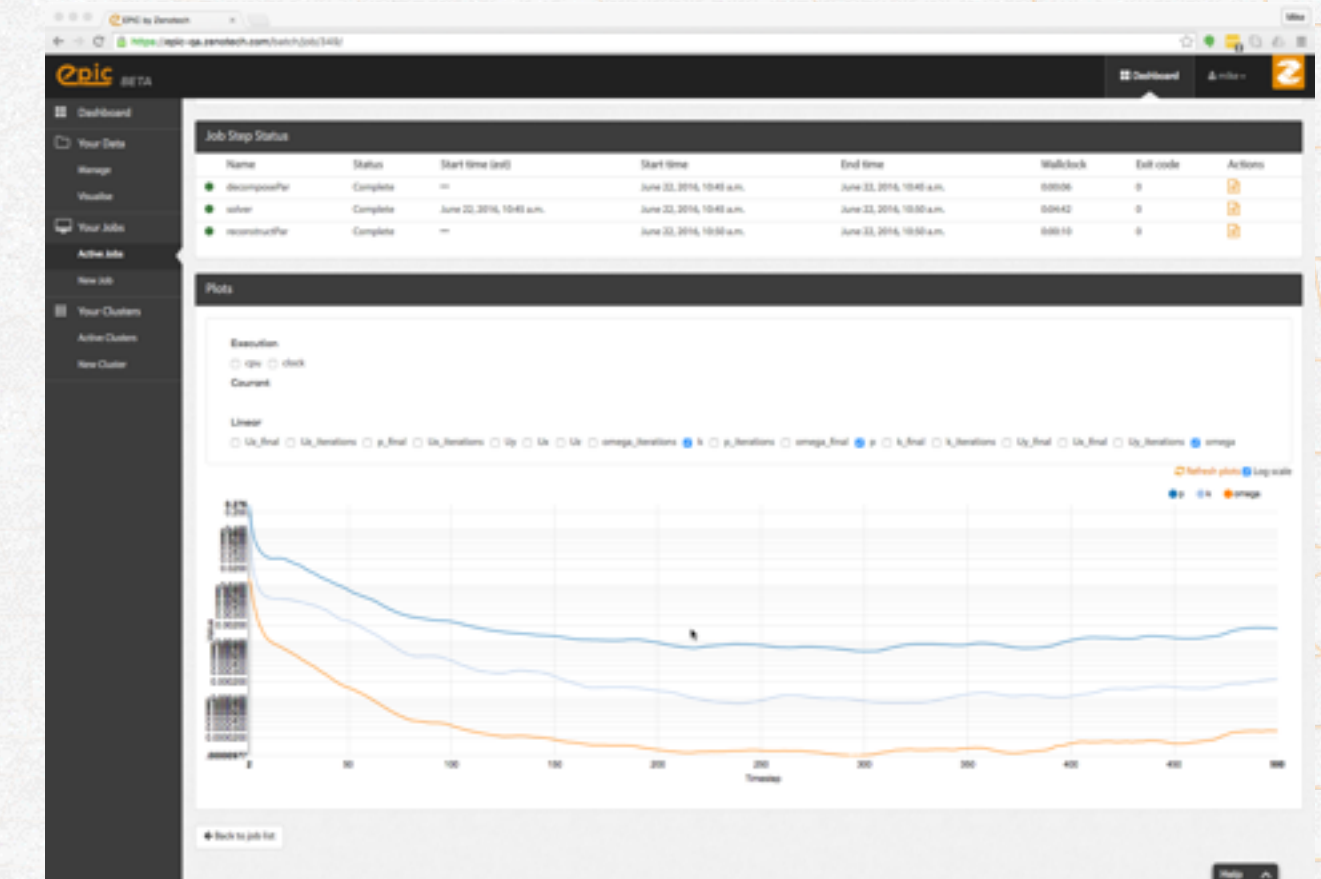


### Key OpenFOAM<sup>®</sup> features:

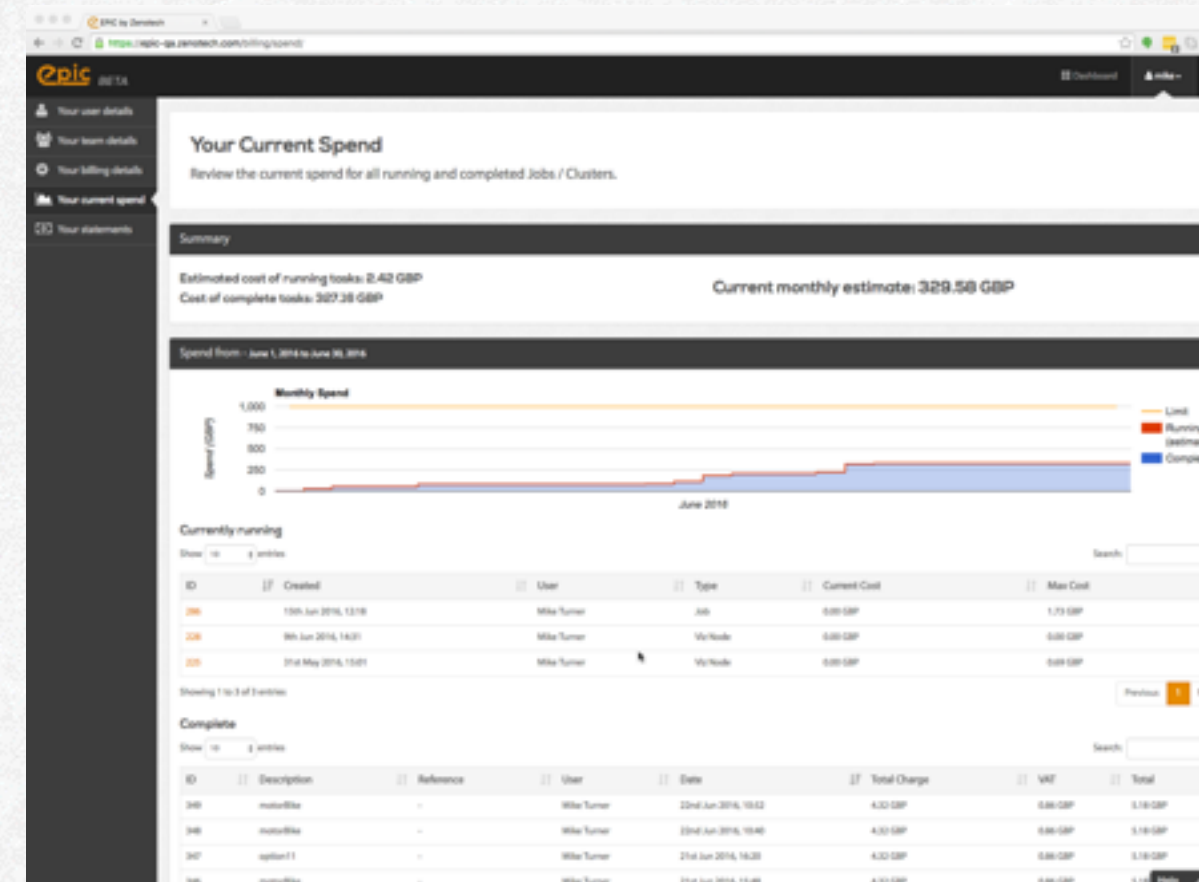
- We compile it for you!
- Custom solvers supported
- Simple submission interface
- Input deck checker
- Pay as you go access to HPC
- Data management
- Simple job monitoring
- Tail log files
- Live plotting of residuals
- Just need a browser!



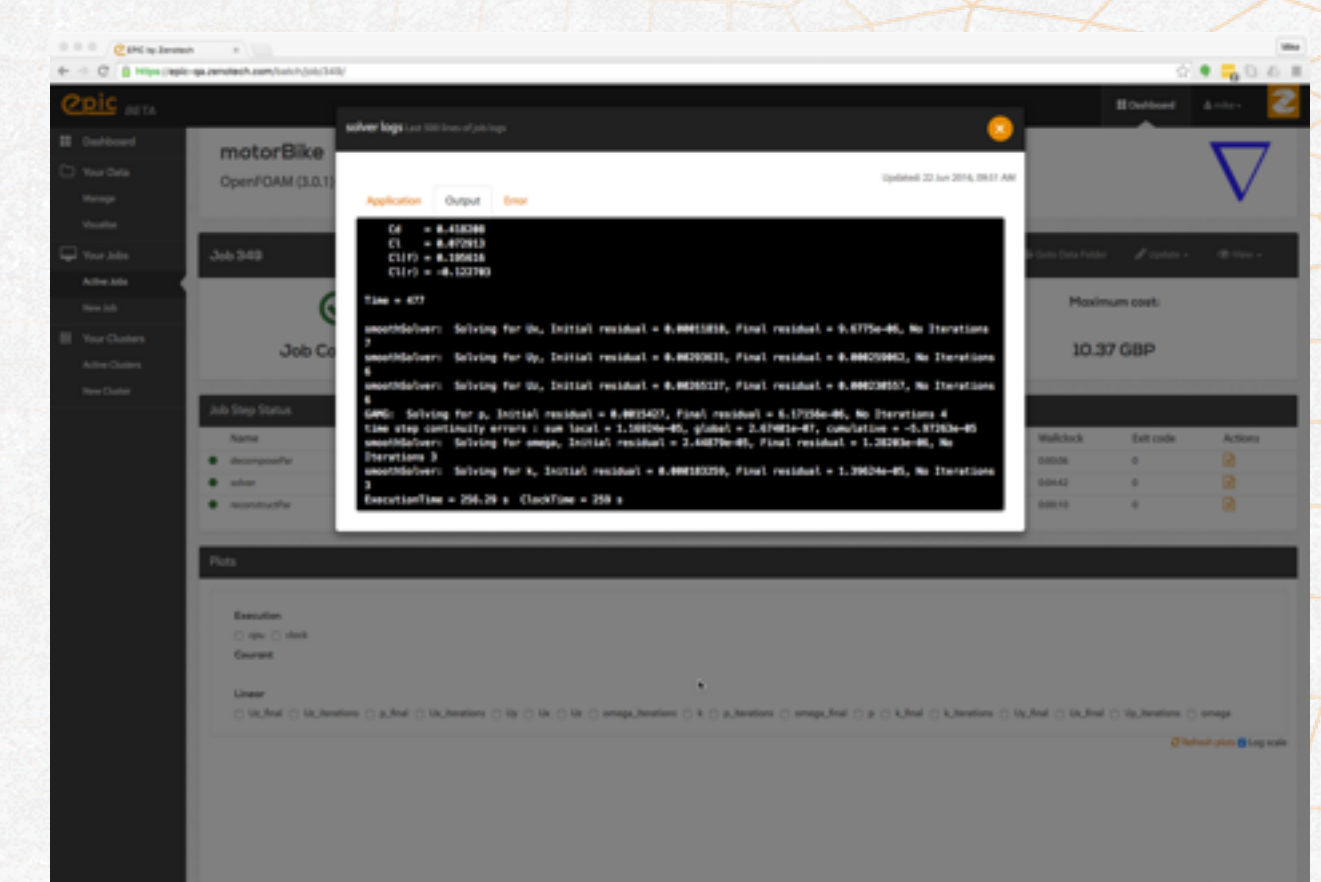
Simple Submission Interface



Residual Plotting



Track your spend



Log file tailing

# 11th OpenFOAM Workshop

## EPIC and OpenFOAM



Demo....

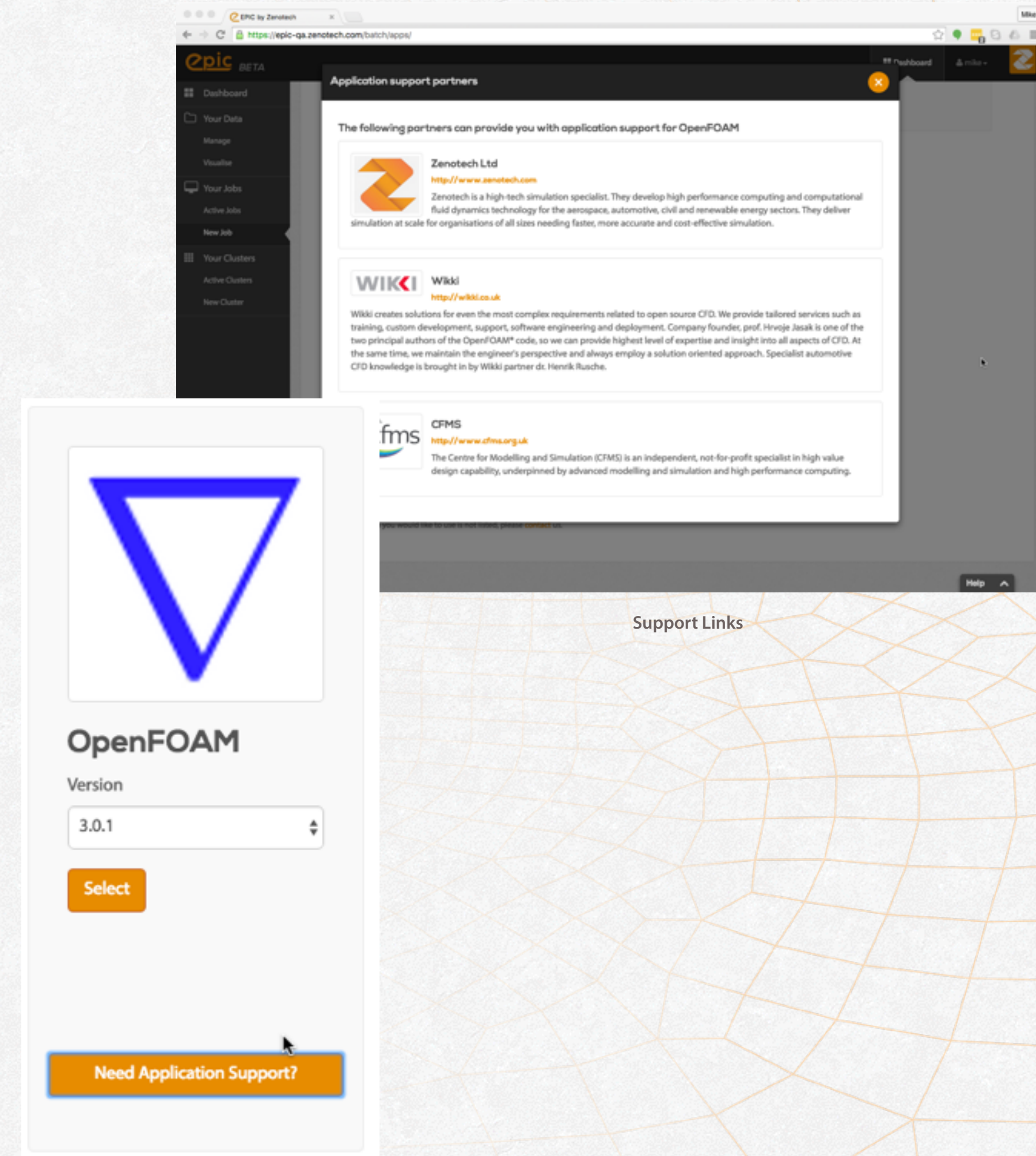
## EPIC Assist

EPIC provides on-demand HPC, there is also a need for on-demand support.

Forum support is excellent but sometimes you are willing to pay to get a faster response or more in-depth help. EPIC Assist is being developed with this in mind.

Allow users to offer payments for a solution and allow OpenFoam experts to make money solving problems!

**If you are interested in listing, please let us know.  
Listing is free, just get in touch!**



The screenshot displays the EPIC Assist web interface. At the top, it lists 'Application support partners' for OpenFOAM, including Zenotech Ltd, WIKI, and CFMS. Below this, there is a section for 'OpenFOAM' with a version dropdown menu set to '3.0.1' and a 'Select' button. A prominent orange button labeled 'Need Application Support?' is visible at the bottom of the interface.

## What next?

### More Cores!

We're actively adding more HPC providers all the time, the number of cores accessible will keep on growing!

### More Applications!

We will also be integrating more applications, if there is something you want to see in EPIC - let us know!

### EPIC Assist

Coming soon...



## Getting Started

Sign up at:  
[epic.zenotech.com](http://epic.zenotech.com)

Use the voucher code for £10 credit to  
try the system out

# Thank You!

Come and see us in the training course on Tuesday



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[www.zenotech.com](http://www.zenotech.com)