

COMPUTATIONAL FLUID DYNAMICS SOLUTIONS

CFD AT BOSTON

Falling under the umbrella of Computer Aided Engineering (CAE), CFD plays a huge part in the Formula 1 (F1) industry where the study and simulation of aerodynamics and downforce can be the key differentiator in winning or losing. F1 industry leaders depend on cutting edge CFD, leading-edge hardware and software as well as teams of both HPC and F1 experts, in order to successfully visualise the hidden world of aerodynamics and apply it to their field.

OUR EXPERTISE

At Boston, we can deliver on a variety of dependencies, our team has been performing benchmarking for various size models, building up a library of impressive results whilst gaining an in-depth understanding of the nuances in the differing architectures, as well as price and performance analysis.



HARDWARE

Our solutions are optimised to accelerate CFD simulations using the latest generation technology such as GPUs and NVMe over Fabric.



SOFTWARE

Boston's CFD solutions include integrated, industry leading software such as ANSYS, OpenFOAM, Pam-Crash and STAR-CCM+ and is specifically designed to improve development efficiency.



SERVICES (HPC)

We offer tailored managed services packages to all of our HPC customers. Through secure remote access our engineers can manage standard cluster status, debugging and much more.



SERVICES (MOTORSPORTS)

Our team of F1 experts are on hand to support with code profiling and optimisation and can aid in tuning meshing and solver performance.

"Expanding our partnership with CFD specialists is a further step forward in supporting our domain specific customers. Our primary focus is delivering world class service and highly efficient, flexible solutions that enable the customers growth. Having CFD experts on board from the outset, serves to further expand and develop our knowledge base in this highly specialised field."

Manoj Nayee, Managing Director, Boston Ltd.

VISIT: BOSTON.CO.UK

TEST YOUR CFD SIMULATIONS AT **BOSTON LABS**

We have opened up our research & development facilities and actively encourage customers to try the latest platforms using their own tools and if necessary together with their existing hardware. Run your simulations on our world class CFD clusters with the support of our F1 and HPC experts who can aid in tuning meshing and solver performance. Remote access is also available.

CFD OPTIMISED SOLUTIONS



BOSTON FLASH-IO TAYLN

A REVOLUTIONARY LEAP FORWARD IN
NVME OVER FABRICS

Scalable NVMe over Fabrics storage solutions for CFD workloads using Excelero's award-winning NVMesh® server SAN software.



BOSTON EPYC™ TWIN

A NEW ERA IN DATACENTRE
COMPUTING

Our AMD solutions are CFD optimised, delivering high memory bandwidth and low core frequency.

Customised configurations are also available - contact us to discuss your requirements