BOXERmesh

- An end-to-end parallel unstructured mesh generator.
- Supports disparate and wide ranging geometry sources, e.g.
  - CATIA, NX, Creo, STEP, IGES, Parasolid, STL, OBJ...
- Supports a wide range of mesh output formants, e.g.
  - CGNS, ANSYS MSH, Fieldview UNS, Metacomp CFD++
- Internal, solver-aware cell quality metrics.
- Can already create exa-scale (10^18) cell count meshes.
- Runs as a client-server set-up with a lightweight GUI front end controlling a parallel meshing server on heterogenous networks.
- Runs in Linux or Windows - laptop, workstations, HPC clusters or the Cloud
- Approx. 1.4Gb per million cells memory requirement
- Typical benchmark speed around 0.015 million cells per min per core. Scalability is benchmarked for billions of cells on thousands of CPU cores.
- Runs interactively in scripted batch mode - uses Lua language for scripting.

CAMBRIDGE FLOW SOLUTIONS
Proprietary and customised CFD

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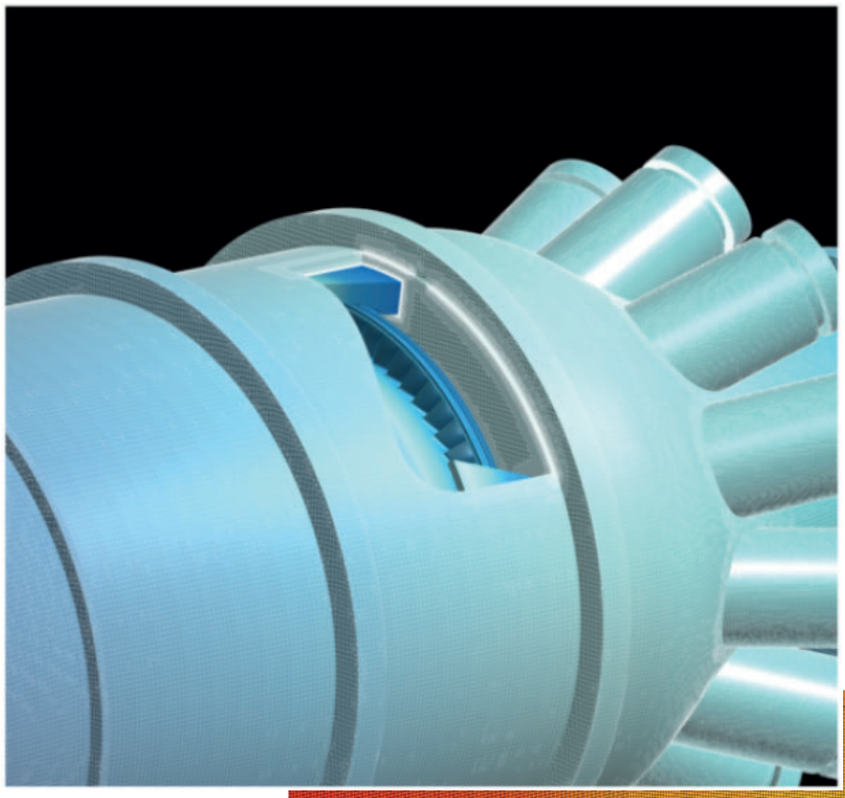
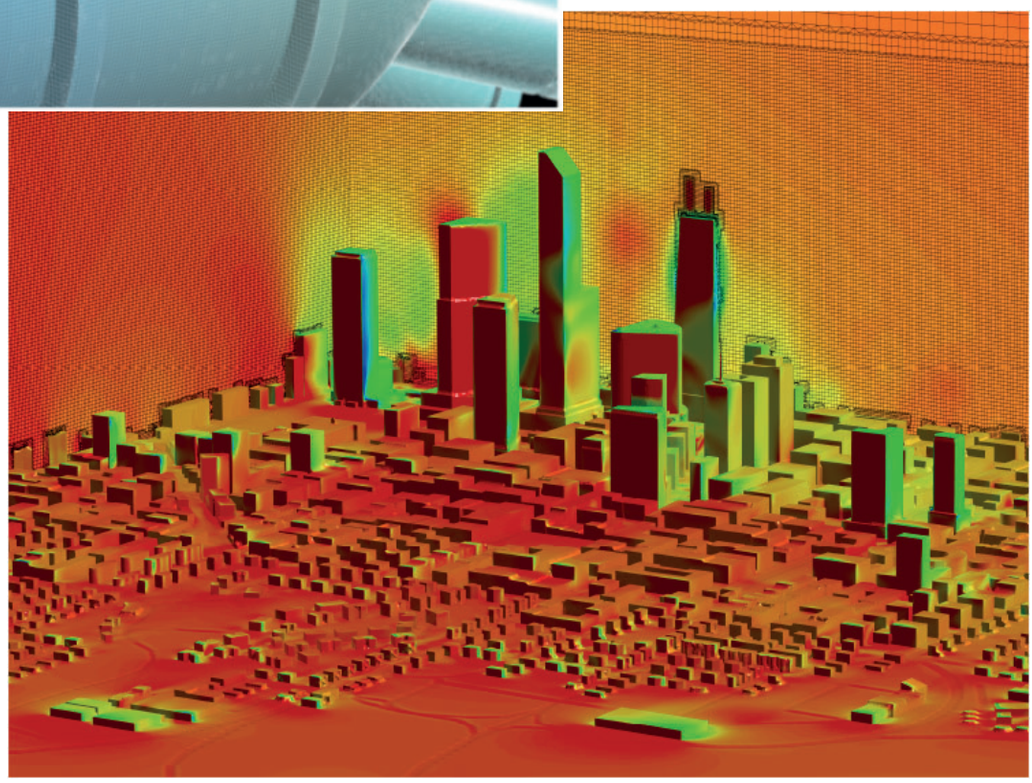
BOXERmesh





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