

ANSYS 12.0 Benchmark Performance Data Windows HPC Server 2008

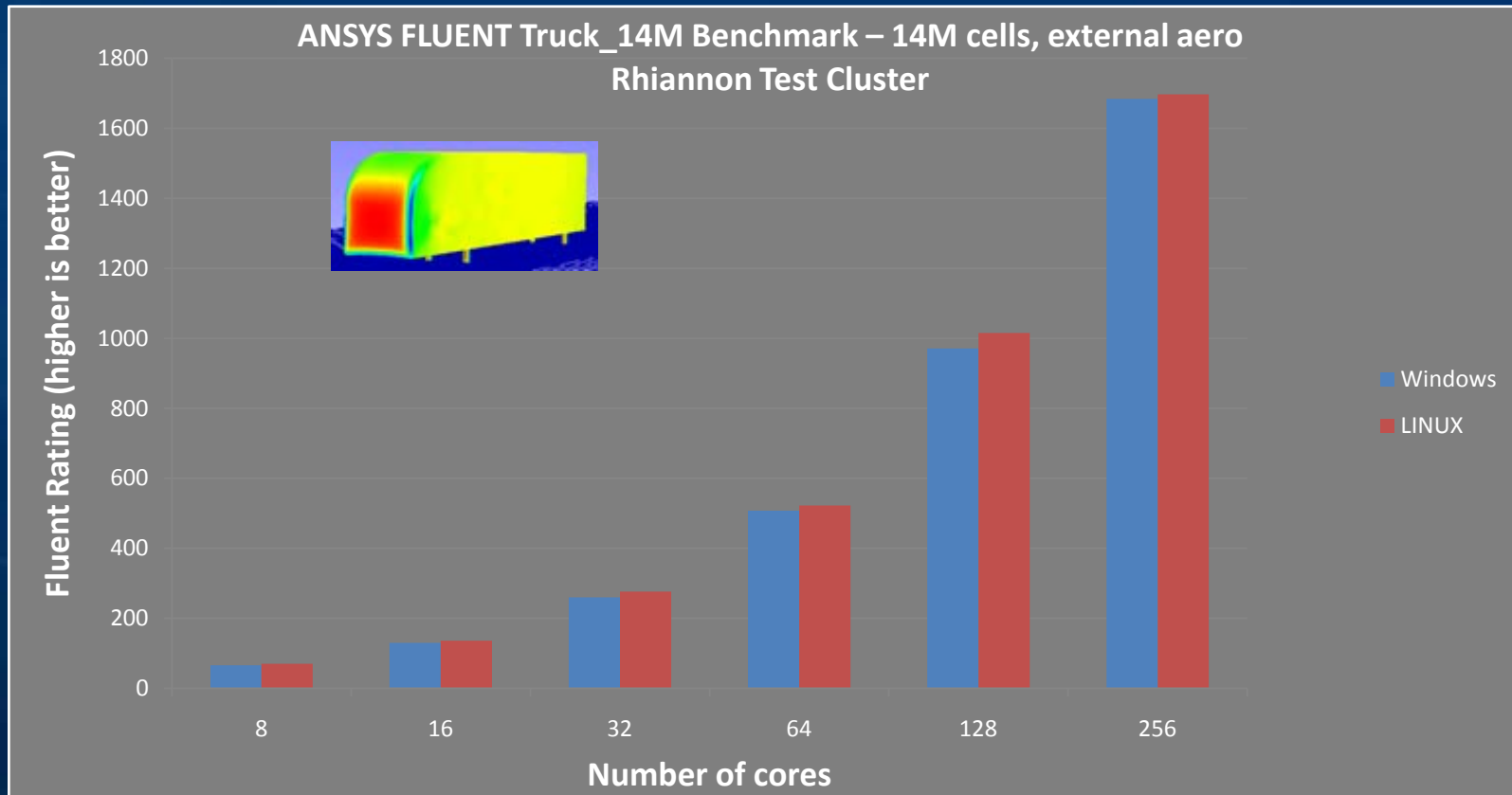


Get the full proof at www.microsoft.com/hpc

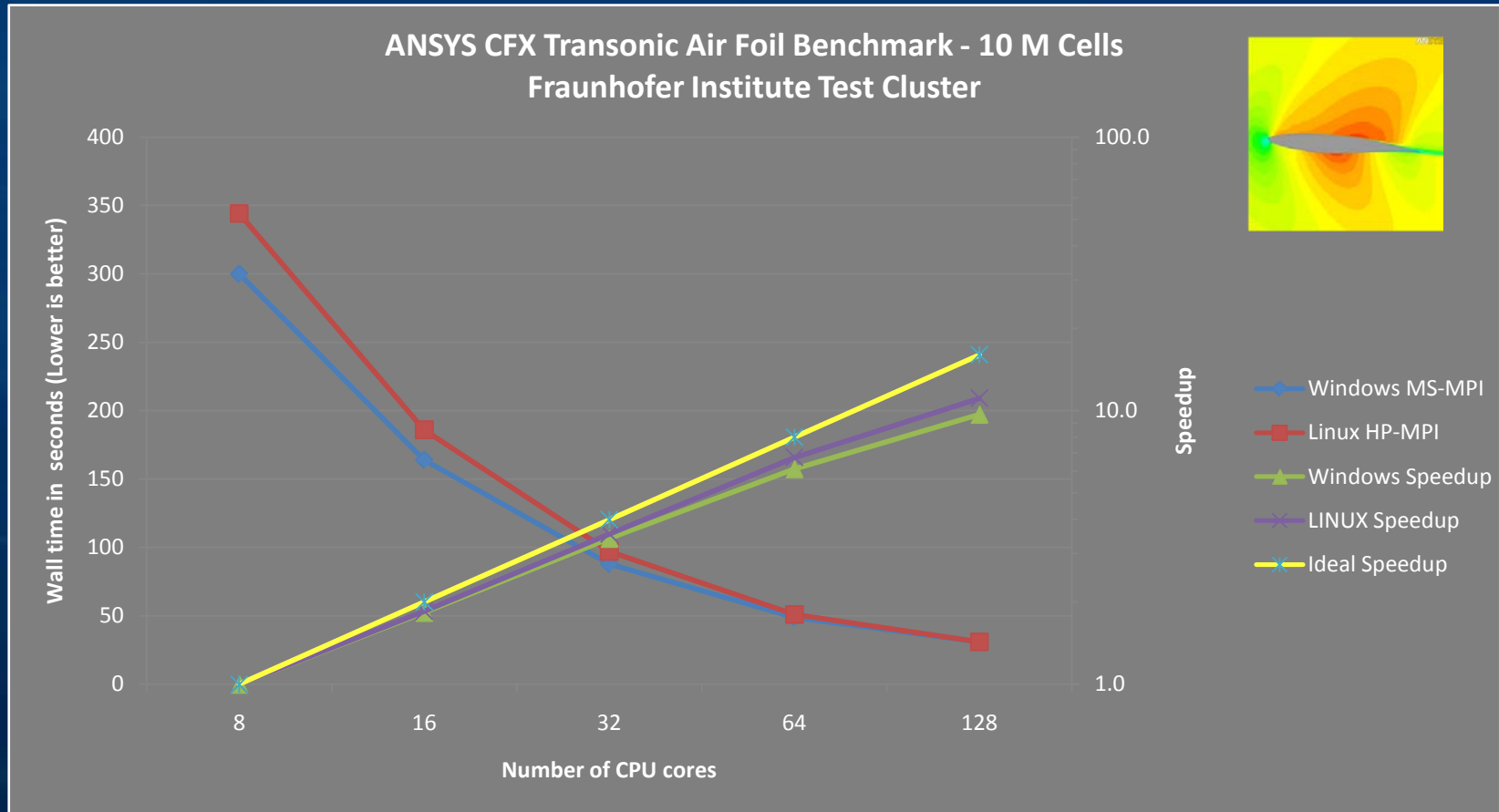
Windows HPC Benchmarking Systems

- Rhiannon at Microsoft Enterprise Engineering Center:
 - **The IBM iDataPlex based Windows HPC benchmarking cluster, powered by Intel Xeon 5500 processor and Mellanox QDR InfiniBand**
 - Supporting WW Benchmarking requests
 - Windows HPC Server 2008 SP1
 - 64 IBM iDataPlex DX360 M2 compute. Total 512 cores.
- Benchmarking Cluster at Fraunhofer Institute in Germany
 - 16 nodes of Acer Blades, Intel Xeon 5560 and Mellanox QDR InfiniBand
 - Supporting EMEA Benchmarking requests
 - Windows HPC Server 2008 R2 Beta



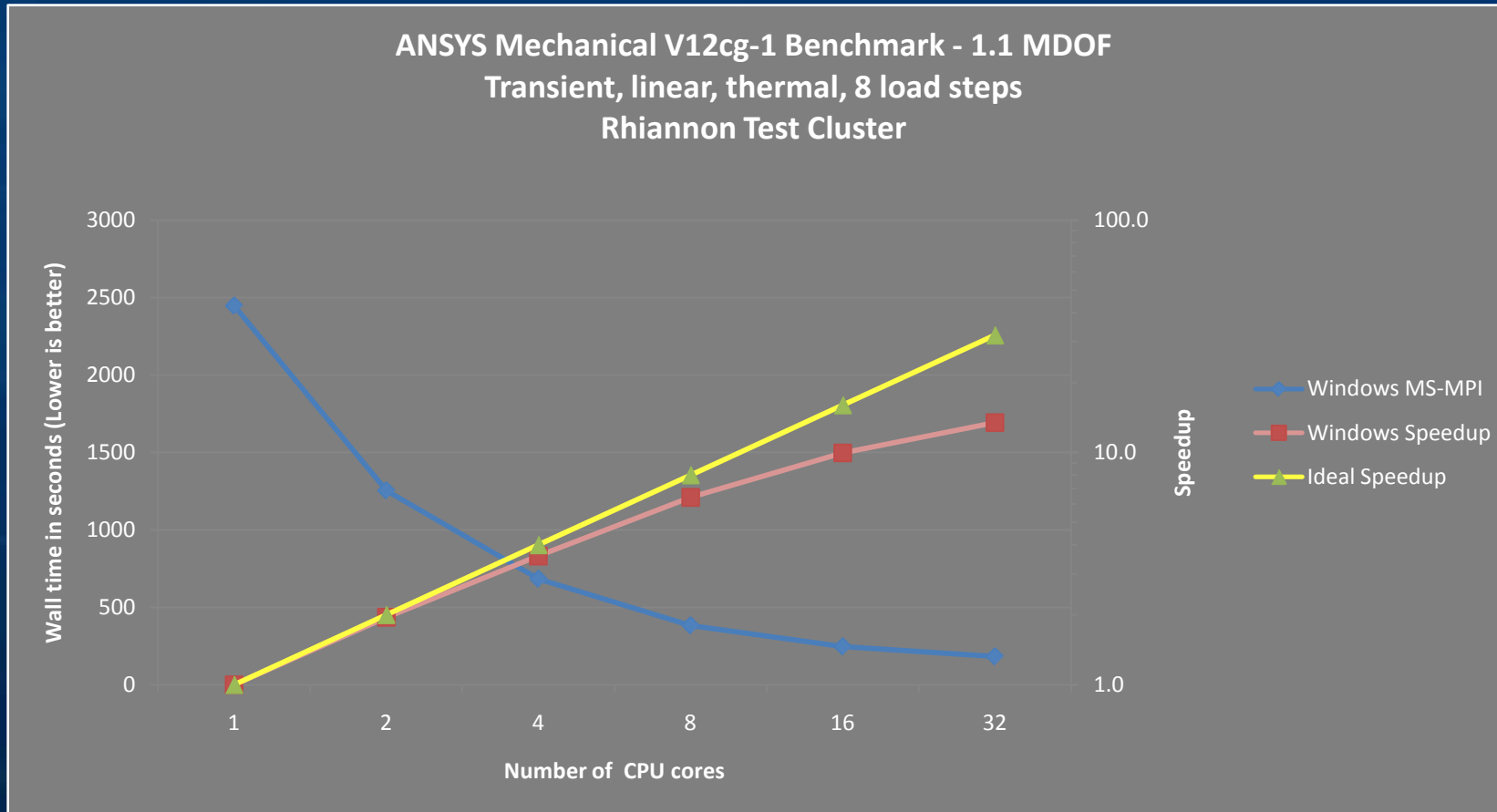


- Near-Linear scaling to 256 cores
- Reduces time-to-solution from days to hours or minutes
- Comparable performance on Windows and Linux
- Windows data for other ANSYS FLUENT benchmark cases posted at:
<http://www.fluent.com/software/fluent/fl6bench>



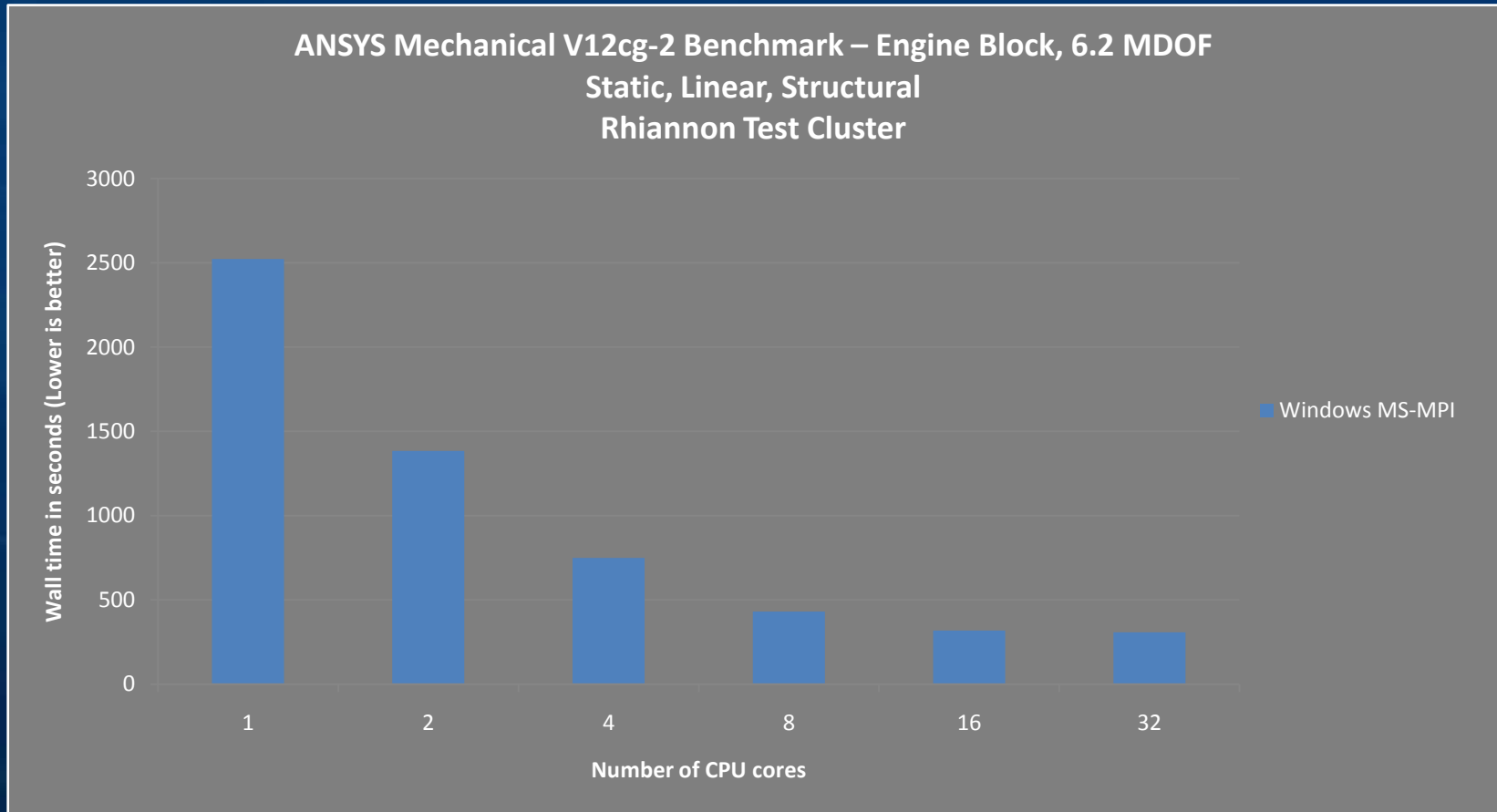
- Near-Linear scaling to 128 cores
- Reduces time-to-solution from days to hours or minutes
- Comparable performance on Windows and Linux





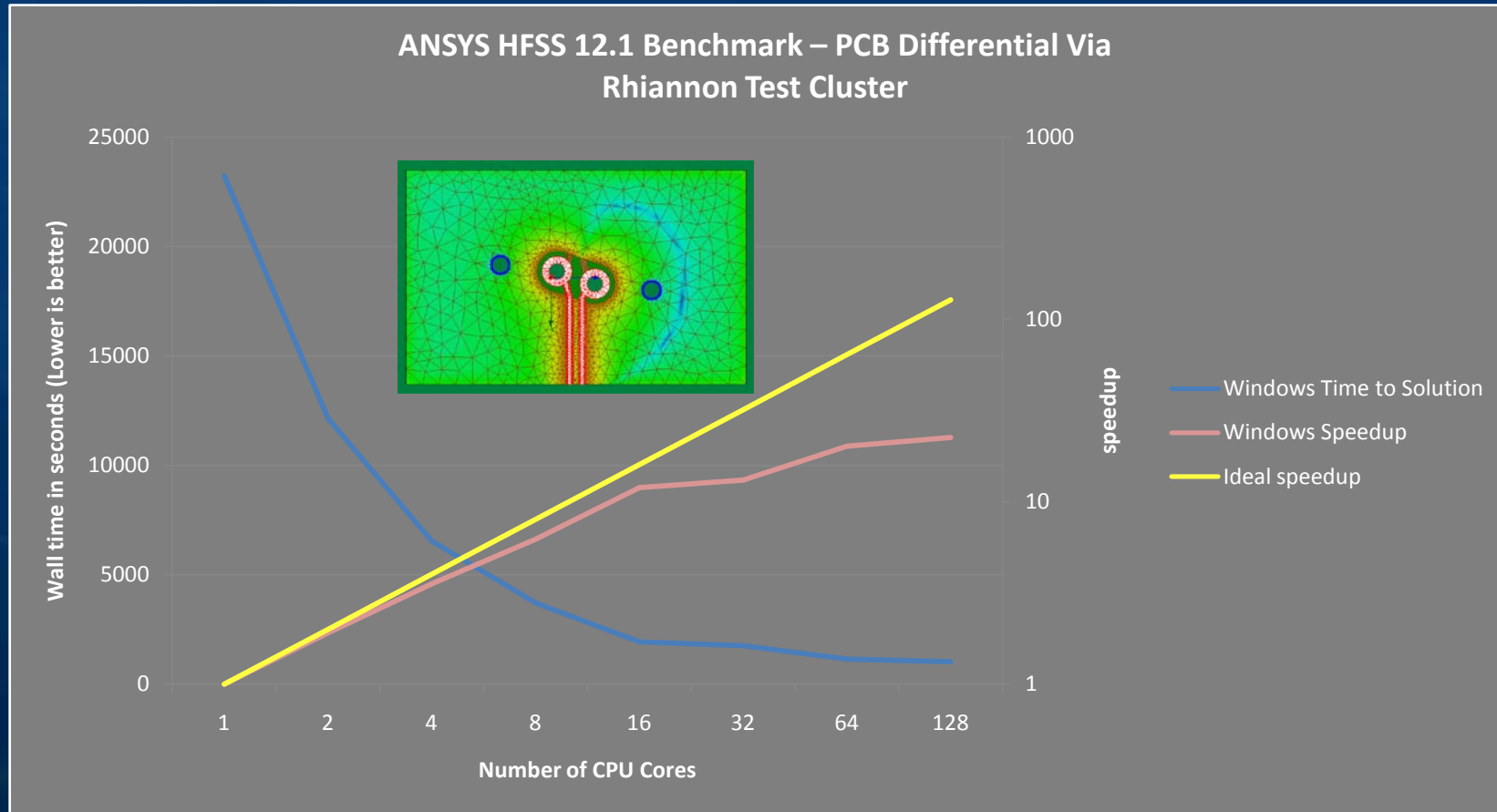
- Effective scaling to 16 or 32 cores
- Reduces time-to-solution from hours to minutes





- Effective scaling to 16 cores
- Reduces time-to-solution from hours to minutes





- 32 unique simulations, run in parallel, investigating impact of hole size, fill factor, and power plane antipad radius
- Each simulation runs in parallel (SMP mode)
- Reduces time-to-solution from hours to minutes



Contact us for more information

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