NAG SETS THE INDUSTRY BENCHMARK FOR NUMERICAL COMPUTING SERVICES

Use NAG specialists who know the intricacies of numeric computation to help you.

Are your results still correct? The numerical codes that underpin your software can be inaccurate, inefficient or just wrong. The mathematics may not change, but the codes have a limited lifespan because of new hardware designs, numerical innovation and changes in your application needs.

NAG Numerical Services help you to find and implement the best computation solutions; design the optimal way to solve complex problems; use sophisticated mathematical principles in your applications; verify that numerical software still works on the latest processors and platforms.

NAG works with your team to impart skills and techniques that will help you to solve your future numerical software problems.

- NAG helped a pharmaceutical company deliver a tool to run scenario analysis on complete product lifecycles with robust and well tested methods.
- A consumer products firm, with a focus on pricing models, used NAG to access some sophisticated regression techniques.
- The financial systems division of a technology services company needed NAG to enhance key statistical models.
- An analysis and pricing firm used NAG Numerical Services to help speed-up their application ten times.
- A precision engineering business had NAG verify their in-house algorithms.

NAG specialists are easy to work with

“NAG is without question a technical authority... that NAG people are partner orientated is just a bonus.”
ASSOCIATE DIRECTOR CACI
NAG Numerical Services include

**Numerical Software and Algorithm Tuning**
NAG audits your current solution or new requirements to provide advice. We can then implement the right numerical solution. The team brings understanding of numerical problem types, current hardware & operating systems together with expert knowledge of how problem sizes and changes in available computing power can provide speed ups and resource benefits. NAG specialise in tuning existing code to exploit the power of multi-core, many core, accelerator and HPC cluster computing systems.

**Custom Algorithm Development**
If your problem requires the development of an entirely new algorithm/s we can develop, document and implement new code for you. We have experience in specialist algorithm development for clients and can continue to support numerical code as hardware and operating systems evolve serving to future proof their applications.

**Numerical Method Selection**
NAG will inspect the problem that needs solving and will advise on the right mathematical and statistical methods and routines to solve the problem. In this capacity we are unbiased and can advise on a variety of supported and open source collections.

**Specialist Numerical and Parallel Code Training**
NAG provide training courses in real world parallel coding for numerical applications; OpenMP, MPI and other techniques; writing code for accelerator, co-processor, node cluster and HPC architectures; CUDA, OpenCL and Unified Parallel C; how to choose appropriate numerical approaches for efficient problem solving.

**Custom Numerical Projects**
Our work also takes the form of specialist services for particular custom projects. Clients return to us not only because of the skills that NAG brings to solve complex problems, but also because of our culture of not for profit long term collaboration, knowledge transfer and total client integrity.

**Quality Assured Process Management**
NAG follows a managed project process to ensure that your project goals are achieved.

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Results matter. Trust NAG.