The Numerical Algorithms Group (NAG) is dedicated to applying its unique expertise in numerical software engineering to delivering high quality computational software and high performance computing services. For four decades NAG experts have worked closely with world-leading researchers in academia and industry to create powerful, accurate and flexible software which is today relied on by tens of thousands of users, companies, learning institutions as well as numerous independent software vendors.

Established as a collaborative inter-university venture and steeped in numerical history, including world firsts, NAG’s present and future is equally as exciting as its past. Comprising collaborative projects, including being a partner to HECToR – the UK’s national supercomputing service, and the continual development of NAG’s highly renowned numerical libraries, the strategy is well established but also challenging.

Fundamental to NAG’s longevity and success is its ethos for collaboration and support of research, development and learning. Its not-for-profit status allows it to focus on the advancement of its staff, the research and development of its products and services, and the fostering of new numerical and scientific talent. NAG’s expertise, gained through the provision and support of its globally renowned numerical libraries and HPC services, is the cornerstone upon which all projects and research into future technologies and products is based.

NAG currently employs over 100 people in its offices in Oxford, Manchester, Chicago, Tokyo and Taipei and has a worldwide network of distributors.

“The reputation for reliability of NAG software gave us the confidence that we would get the right results”

Jean Gaul
Head of the development team, SETRA
Numerical Libraries
Produced by experts for use in a variety of applications the NAG Libraries are the largest commercially available collections of numerical, statistical and data mining algorithms in the world. With over 1,600 tried and tested routines that are renowned for correctness and flexibility the NAG Libraries are at the core of tens of thousands of applications spanning the globe. Whether you’re working on a PC, or a cluster of supercomputers, the NAG Library has the functionality and capabilities to fit your model. It is available for many different programming languages, environments and packages including: C, C++, C#, Fortran, Java, Maple, MATLAB, Microsoft Excel, Microsoft .NET, Octave, Python, R, Visual Basic, Scilab, Labview.

Compilers
NAG Fortran Compiler – (derived from the world’s first Fortran 90 Compiler, developed by NAG) is robust, highly tested and valued by developers for its checking capabilities and detailed error reporting. Available on a wide range of Unix platforms.

NAG Fortran Builder – is an Integrated Development Environment for the NAG Fortran Compiler for Microsoft Windows. It provides key features including a graphical user interface making it easy to use.

Services
HPC Services – Organizations can achieve an enhanced commercial advantage from computation by partnering with NAG’s HPC Consulting Service. NAG experts support the whole business lifecycle including requirements review, HPC strategy, resource and service delivery planning and acquisition, and parallel software engineering support.

ISV, Hardware & Software Consulting – Many blue chip software and hardware vendors and ISVs have chosen to partner with NAG to enhance their own product offerings. See NAG’s website for case studies.

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NAG mission
To create high quality, commercially relevant computational software and services for commerce and research.

NAG vision
To be universally recognized as the preferred source for computational products and services and the preferred partner for collaboration.

NAG values
Integrity, quality and profound respect for the individual in our dealings with customers, staff, members and partners.

NAG ethos
Collaborative, consultative, consensus-based, principled, transparent.