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SoftInWay Through the Prizm of Events

With a tentative theme of **"The Global Market and Cooperative Ventures"** the 2006 Turbo Expo conference and exhibition had been held on May 8-11 at the Barcelona International Convention Center (CCIB).

From year to year, ASME Gas Turbine and Aeroengine Technical Congress and Exposition sponsored by the International Gas Turbine Institute (IGTI) of the American Society of Mechanical Engineers (ASME) attracts an international audience with four full days of technical sessions, tutorials, panel discussions, trade show exhibits, committee meetings and special events completely focused and related equipment.

Of course, we couldn't miss such event and together with other representatives of different companies had been presenting our software products. During the event AxSTREAM™ has attracted attention of many attendants searching for the integrated, robust and cost-effective solutions for turbomachinery design. Amongst them specialists from such companies as: *Mitsubishi Heavy Industries, Ltd., Siemens Industrial Turbomachinery AB, Ishikawajima-Harima Heavy Industries Co. Ltd., GE Energy, Hitachi Ltd., Pratt & Whitney UTC, Kawasaki Heavy Industries, Honeywell, Branch LMZ of the OJSC Power Machines, ENEL SPA, Toshiba Corporation, Nagasaki University* and many others were interested in our product.

The fact that AxSTREAM™ had great success was naturally because in comparison with heavy weighting solvers on today's market AxSTREAM™ enables designers to very rapidly perform multivariate calculations in a corporate format obtaining quality results and compressing time to market.

SoftInWay's Training Courses

Our clients' success - that is our success. Exactly to ensure customers' progresses with our software product SoftInWay has started series of Technical Seminars devoted to AxSTREAM™ Turbomachinery Design and Optimization Suite. The first one was carried out in Daejeon, Korea (June, 2006). Specialists from such companies as KIMM, KARI, Doosan Heavy Industries and Construction, KEPKO, KPS and others were presented at the Seminar.

On the pictures below Dr. Leonid Moroz (Chief Executive Officer of SoftInWay) explains to engineers granted AxSTREAM™ capabilities for new turbomachinery design technologies and redesign of existing turbines. Korean specialists were displaying a keen interest in AxSTREAM™ aspiring to know about our product as much as possible. During the Seminar they have designed turbine and obtained its main characteristics and were really amazed found results in a short time.



AxSTREAM / NUMECA Integration

AxSTREAM™ and NUMECA software development teams made it possible to integrate the power and flexibility of AxSTREAM™ with robust and easy-to-use NUMECA 3D CFD simulation tool through AxSTREAM™/Numeca Integration Wizard making validation process of turbine/compressor design smoother and more convenient. It can be run from AxSTREAM™ software graphical user interface generating CFD calculations quickly and easily.

After conducting full cycle of aerodynamic design in AxSTREAM™ (starting from preliminary design, S1/S2 surfaces optimization, meanline/through flow analysis and finishing by profiling and blade shaping) 3D geometry is ready to be passed to external solvers to validate turbine/compressor design performance.

There are 4 basic steps in AxSTREAM™/NUMECA Integration Wizard to walk through. Following to step-by-step actions user can perform geometry export, automatic meshing and conducting CFD computation without leaving AxSTREAM smart space environment by running NUMECA in batch or GUI mode.

So AxSTREAM™ fast optimized design based on the solid industrial experience and NUMECA sturdy, accuracy and easy-to-use CFD tools make together industry valued powerful design suite.

Load movie for [more details >>](#) .

Hot vacancies

We currently invite you to explore the vacancies that the links below are leading to:

[Sales Engineer/Project Manager](#)

[Project Manager](#)

[CAE Software Developer](#)

[Senior Level Aerodynamics Engineer/ Project manager](#)

You will join a strategically focused and highly motivated team involved in Scientific, Mechanical Engineering, Design Consulting and Software Development. You also will have an opportunity to work on multiple projects in a flexible, friendly environment.

Meet Our New Clients

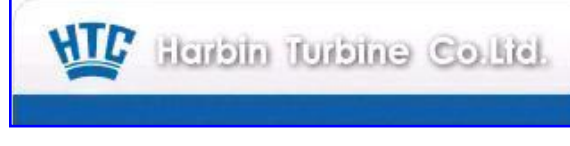
SoftInWay is progressing -> AxSTREAM™ is expanding -> client list is increasing that's the way keeping by our company. We would like to acquaint you with recently joined AxSTREAM™ clients:



Avio is Italian leading aerospace Company. It was established in 1908, only five years after the first flight by the Wright brothers which marked the advent of aeronautics with "heavier-than-air" equipment. Avio's celebrated SA 8/75 (50 HP, eight cylinders in 90° V formation, air cooled) was the first in a fast-growing family of Fiat engines and the onset of a long and fortunate series of technological and entrepreneurial challenges.



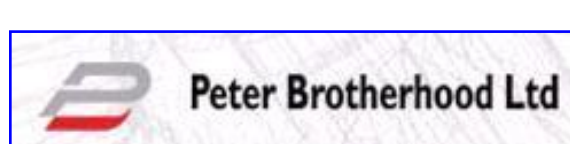
For more than 100 years, Dresser-Rand Company (USA) has been among the largest global suppliers of rotating equipment solutions, with field-proven centrifugal and reciprocating compressors, steam turbines, expanders, gas turbine packages, and control systems. Dresser-Rand is positioned to deliver a complete package of solutions, from initial concept to equipment retirement for the worldwide oil and gas, chemical, petrochemical, and process industries.



Harbin Turbine Co. Ltd. headquartered in China is the key construction project of the First Five-Year Plan of China, and a large backbone enterprise with design and manufacture of large (air cooled and wet cooled) fossil steam turbine, nuclear steam turbine, combined cycle steam turbine, gas turbine and marine steam turbine as main business.



KIMM, Korean government funded research institute, is established to plan, research & develop, test & evaluate and provide technical support in the field of machinery and materials to promote the advancement of the nation's science and technology.

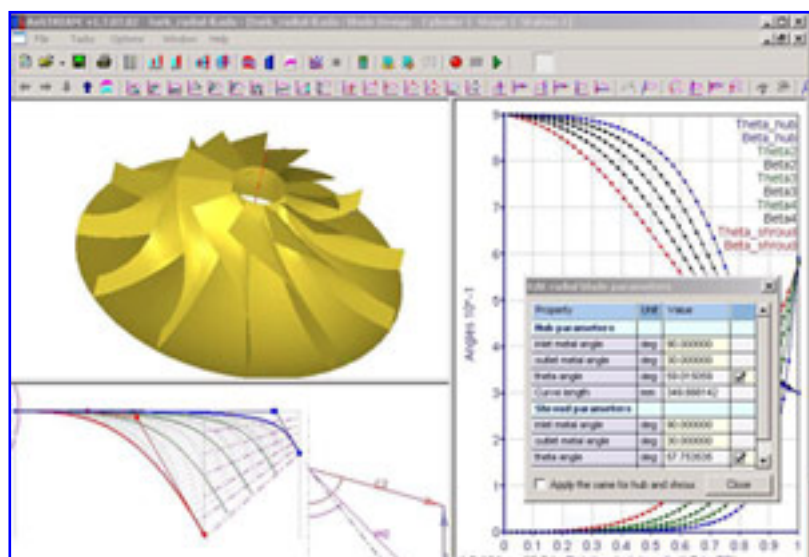


UK Peter Brotherhood provides innovative engineering solutions for energy-related industries ranging from power generation to petrochemical processing. Designing and manufacturing steam turbines, gas compressors, CHP systems, specialist gearboxes and special purpose machinery, Peter Brotherhood has installed equipment in more than 100 countries across the world.

We are really pleased to collaborate with these companies and would like to invite you to explore AxSTREAM™ and make your own decision.

News from AxSTREAM™

New functionality is realized in AxSTREAM™ and soon will be available for customers. New feature allows radial turbomachinery: centrifugal compressors and inward-flow turbines preliminary design, meanline and axisymmetric analysis, parameters optimization cascades profiling, blade design, and export of blade 3D models to NUMECA FINE/Turbo, CFX, and IGES essentially extending AxSTREAM™ functionalities.



View and Learn AxSTREAM in Action!

Being a complex and extensive software, AxSTREAM™ provides a line of Tutorials and Manuals to help new user seizing the package structure and mastering its interface. Yet, 'once seen, never forgotten'. Following this, a set of demo files has been developed to guide a user through entire AxSTREAM™'s performance.

Now added with AxSTREAM / NUMECA CFD Integration movie!

The movies mirror all key steps of turbomachinery design, analysis, and multidisciplinary optimization in progress and sufficiently facilitate mastering the software.

[Go for animated AxSTREAM™ Overview](#)

[To download new and earlier posted movies click here>>](#)

Openings in SoftInWay

Welcome to join SoftInWay Incorporate! We invite you to explore the vacancies presented below:

Sales Engineer/Business Developer

The essential job function of this person is business development and sales of AxSTREAM™ - Professional Tool for Rapid Optimized Flowpath Design of turbomachinery:

- forecast development to achieve world sales goals;
- developing and implementing a strategic sales plan to achieve world sales goals;
- identify, close and maintain key accounts;
- provide information to marketing to improve products and profitability;
- monitor and assess major competitors' activities and products.
- provide technical training for clients

- Requirements:
- Minimum 4 year Degree in Mechanical Engineering or related areas with significant related experience.
 - 5 - 8 years experience of surpassing sales quotas in selling a software product and engineering service to C-level executives in engineering and scientific to Fortune 500 companies and Government agencies
 - Excellent prospecting and presentation skills.
 - Must be strongly focused and extremely organized.
 - Exceptional oral and written communications skills are essential.

Project Manager

This individual will be responsible for all-round technical preparation and evaluation of project proposals in FEA-based CFD, Heat Transfer, Stress-Strain areas. Recommending improvements, the project's technical issues coordination including problems' review, sophisticated model description, precise boundary conditions evaluation, and gathering and analysis of other data required for providing further non-stop development process.

Also responsible for building and maintaining development schedules and fulfilling project deliverables on time, from inception to client sign-off. Beyond this, the candidate needs to have very sharp analytical skills, which s/he will use through the project life cycle, including detailed pre-development proposal analysis, projects feasibility estimation, and user requirements analysis.

- Requirements:
- Masters Degree or Bachelors in Mechanical Engineering with significant related experience.
 - 5+ years of complex Mechanical Engineering project management, engineering application development, design, and implementation experience.
 - Experience in FEA-contained packages' implementation like ANSYS and/or similar toolkits is required.
 - Principle knowledge in CFD, Heat Transfer, Stress-Strain, Machine Design is extremely appreciated.
 - Must be strongly focused and extremely organized.
 - Proven experience in writing specifications, quality assurance, project complexity, labor effort estimation, and risk analysis skills.
 - Exceptional oral and written communications skills in English and Russian are essential.
 - PMI certification is a plus.

CAE Software Developer

This individual should have experience in development of complex engineering software projects and a strong background in CAE tools. Excellent understanding of FEA and / or CFD methods and issues. It is essential that the individual has a strong desire to learn and explore new technologies and is able to demonstrate good problem solving skills.

- Requirements:
- B.Sc., or M.Sc., or Ph.D. in Mechanical Engineering, Applied Math or Physics with respectfully 5+, or 3+, or 0-1 years of experience in engineering software development (C, C++, FORTRAN);
 - Thorough knowledge of FEA and / or CFD methods;
 - Hands on experience with at least one of the following tools: ANSYS, MSC.Software, ABAQUS, I-Deas, CATIA, Fluent, or CFX. Experience with SolidWorks and / or Pro/E is a plus.

Senior Level Aerodynamics Engineer/ Project manager

Seeking one senior level engineer, with a focus in the aerodynamic design and analysis areas. Responsibilities include aero design and analysis of compressors, turbines, and stationary turbomachinery components. Experience with both axial and radial turbomachinery beneficial. Turbomachinery experience should include meanline design, three-dimensional flow path and blading design, and CFD analysis using modern design tools. Project management experience critical.

Candidate needs to have very sharp analytical skills, which s/he will use through the project life cycle, including detailed pre-development proposal analysis, projects feasibility estimation, and user requirements analysis. Will be responsible for the entire project, from inception to client sign-off.

- Requirements:
- B.S., M.S. or Ph.D. in Mechanical-, Aerospace-, or similar discipline with related experience;
 - Thorough knowledge and experience in preliminary flow path design technologies and CFD packages such as: CFX, NUMECA, and/or similar toolkits is required;
 - Principle knowledge of CFD methods; • Must be strongly focused and extremely organized;
 - Proven experience in writing successful proposals;
 - Exceptional presentation, oral and written communications skills in English are essential. Japanese or Russian is a plus. PMI certification is a plus.

About SoftInWay Corporation

About SoftInWay. A USA corporation, headquartered in Burlington, MA, SoftInWay's mission is to serve the high technology community by providing software products and engineering services in the area of research, design and digital prototyping of power generation equipment. The company develops products for rapid turbomachinery design, provides technical engineering services, and uses in-house and industry standard CFD, FEA and CAD tools to address design issues at the earliest possible stage to maximize engineering productivity and increase the efficiency and reliability of equipment. The core product, AxSTREAM™, is an integrated solution based on the over 400 years of collective turbomachinery experience of the SoftInWay's engineering team, with the clear goal of bringing to industry a professional software tool for rapid, optimized turbomachinery flow path design.

For more information, visit <http://www.softinway.com/> or call 781-685-4942.

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