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The most prospective release

As it was already marked in our permanent press releases, beginning from AxSTREAM v.2.0 besides axial turbomachines it can provide design and optimization of radial ones. I.e. AxSTREAM can be used to design axial / centrifugal compressor, axial / radial turbine and multi-stage gas turbine flow path from scratch for today.

Between AxSTREAM's inherent features there are new ones such as:

- Mixed/Radial/Axial flow path design "from scratch" and multidisciplinary optimization using a handful of basic parameters and a set of geometric constraints
- Mixed/Radial/Axial flow path Meanline analysis and optimization with support of "as-designed" and off-design operational conditions
- Throughflow analysis
- Camberline/Thickness interactive profiling and airfoil design
- Push-Button FEA
- Integrated optimizer based on design-of-experiment (DoE) methodology
- Performance maps generation
- Capability to export 3D airfoil geometry in formats acceptable for Numeca, ANSYS CFX, etc. and in IGES format for NX, SolidWorks, Pro-E, ANSYS etc.



Meet us at **TURBO EXPO**
Power for Land, Sea & Air

**Barcelona International Convention Center (CCIB)
Barcelona, Spain • May 8-11, 2006**

Plan to stop by our booth #A-050 !

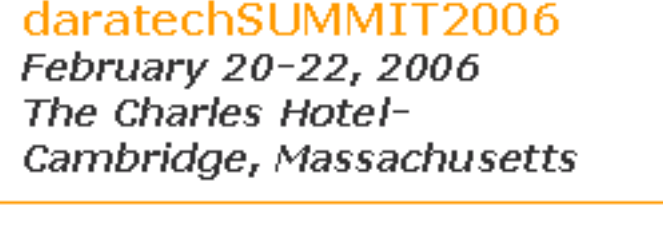
Come and see our solutions for turbomachinery design!

AxSTREAM™, AxPLAN™ and other SoftInWay's products will make your efforts in turbomachinery design more effective and design itself more optimal.

[Click here](#) for **Free Admission Registration Form** available by April 7, 2006

SoftInWay on Daratech Summit 2006

Recently Daratech, Inc. has selected SoftInWay as an Emerging Technologies Partner to participate in Daratech Summit 2006 had been held February 20-22 at the Charles Hotel, Cambridge, Massachusetts.



daratechSUMMIT2006
February 20-22, 2006
The Charles Hotel - Cambridge, Massachusetts

Each year, research firm Daratech brings together customers and suppliers in the mechanical CAD/CAE/PLM space at [DaratechSUMMIT](#) and presents its official state of the industry address. This time, the Emerging Technologies Pavilion has gathered new technologies selected from already established and promising companies worldwide. SoftInWay's AxSTREAM™ and AxPLAN™ packages has attracted attention of many visitors searching for the integrated, robust and cost-effective solutions for turbomachinery design.

Many of attendants, amongst them Air Internat Inc., Nissan Motor Co., Ltd, DIPRO, Lockheed Martin Aeronautics, Honda R&D Company and others, have agreed in opinion that in comparison with heavyweighting solvers on the market, AxSTREAM enables designers to very rapidly perform multivariate calculations in a corporate format obtaining quality results and compressing time to market .

'Beyond powerful capabilities in design, analysis and optimization, our products has demonstrated the competitive PLM solutions embedded in the process accompanied by unprecedented 'what if' variations. Doing through capturing and leveraging existing company know-how, we remain committed to helping turbomachinery designers produce winning flowpath designs quickly," said Leonid Moroz, SoftInWay's President and CEO.

Hot vacancies

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

[Sales Engineer/Project Manager](#)

[Project Manager](#)

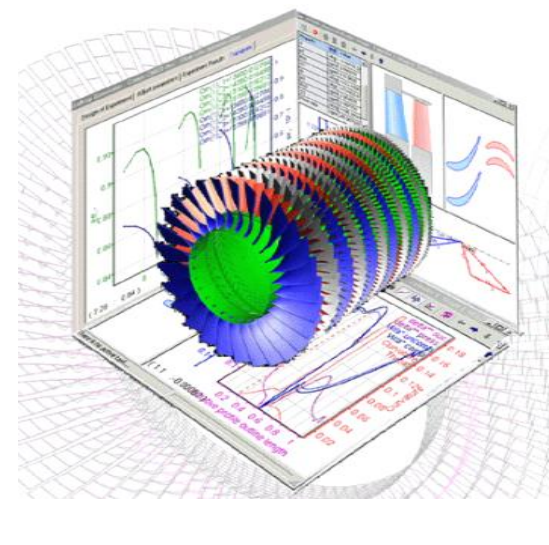
[CAE Software Developer](#)

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.

AxSTREAM in Progress

AxSTREAM™ v.1.7.06 will be available soon!

The developers of AxSTREAM™ - a professional tool for rapid turbomachinery flow path design and multidisciplinary optimization, are in permanent search for how to meet increasing requirements of the world turbomachinery community. A new 1.7.06 version of AxSTREAM is on the threshold of release. This release will realize additional features and functionality that expand the package capabilities, providing more design quality and shrinking processing time.



The prerelease of AxSTREAM v1.7.06 will be first presented at the ASME 51st Annual Technical Congress & Exposition, Barcelona, Spain, May 8-11, 2006.

For outlines of the future release [Click here](#)>>

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 visually through entire AxSTREAMs performance. **Now added with Compressor Design and Cascade Profiling movies!**

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](#)>>

AxSTREAM-Compressor Online Presentation

An opportunity to view AxSTREAM™ capabilities in Compressor Design at a glance!

Compressor solver makes it possible in a fast manner to perform conceptual design of the compressor, parameters optimization, meanline and axisymmetric analyses, cascades profiling, export of 3D blade models to CFX, NUMECA FINE/Turbo, and to other commercial solvers as well as import blade 3D geometry in IGES and also in CURVE, TURBO, and geomTURBO formats .

Viewer can evaluate at full extent smart and completely user- and object-oriented GUI, following the entire process streamlined from entering initial data to final results presented as a set of aerodynamic characteristics and blades geometry ready for export.

To view AxSTREAM-Compressor online presentation

[Click here >>](#)

Welcome to our Science Club!

New Mechanical Engineering Papers!

We will be glad to publicize your papers in mechanical engineering in our Science Club. Please submit your articles to lm@softinway.com



Here you will find an array of articles authored by our scientists and colleagues from academia and dedicated to various aspects of turbomachinery research, design, simulation and modernization, heat transfer, mechanical engineering etc.

[More articles >>](#)

AxSTREAM in Progress

AxSTREAM v1.7.06 Will Be Available Soon!

SoftInWay, Inc. announces prerelease of a new version **1.7.06** of AxSTREAM™ - a professional tool for rapid turbomachinery flow path design and multidisciplinary optimization that encompasses the complete engineering process of turbomachinery flow path conceptual design and multidisciplinary optimization. The prerelease will be first presented at the ASME 51st Annual Technical Congress & Exposition, Barcelona, Spain, May 8-11, 2006.

As always, this release will inherit all advantages of the preceded version appending some new features to amend and enrich the software capabilities in turbomachinery design and optimization.

New version will provide the following additional benefits to the turbomachinery designers that make the design and optimization process more sophisticated and convenient:

- **Network sessions protection is reinforced;**
- **Turbine preliminary design procedure is updated towards expansion of functionality;**
- **Cascade visualization capabilities are extended;**
- **ATLAS profile database is replenished with new types of profiles;**
- **Profile and stage view frames are added with new features;**
- **Profiling procedure is updated in the part related to:**
 - **profiling mode handling;**
 - **profile geometry handling when working with ATLAS database;**
 - **profile optimization options;**
 - **profile visualization options;**
- **3D airfoil design procedure is replenished with new functions:**
 - **airfoil total volume calculation;**
 - **airfoil shape selection concurrently with a number of stations variation;**
- **New features are added to the flowpath geometry calculation;**
- **The problems related to RPC on the platform are solved.**

All novelties shrink performance time per project and simplify end-user operation.

Unique capabilities integrated in one package that includes the corporate design components (turbine, compressor, stage, airfoil) presented as libraries and special physical models is a choice as for standalone exploration as for integration in any proprietary technologies within a company's organizations.

In comparison with many other design codes & systems on the market, AxSTREAM features ultimate concentration of turbomachinery design procedures, providing fast and reliable solutions.

For details please address sales@softinway.co

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.

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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We apologize for the inconvenience if any caused.

Under Bill s.1618 Title III passed by the 105th U.S. Congress this mail cannot be considered Spam as long as we include contact information and a remove link for removal from our mailing list.

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