



SAMTECH launches BOSS quattro 4.3

*Liège, Belgium – May 2003 - SAMTECH s.a., the leading European Company for the development of Integrated CAE Solutions, today announces the launch of the version 4.3 of its optimization and task management platform **BOSS quattro**, recognized industrial software tool for parameterized analysis, stochastic analysis, design of experiments, optimization and updating of numerical models with experimental data.*

With the new version **BOSS quattro 4.3**, SAMTECH allows significant costs reduction of design activities. It enables users to perform advanced optimization by selecting the appropriate method among a wide panel of proposed computation chains: parameterized analysis of numerical models, stochastic analysis, design of experiments, optimization (with gradient or genetic algorithms) and updating with experimental data.

BOSS quattro targets design and analysis activities of any customers from the whole industries dealing with optimization, parameterized analyses of numerical model (Aeronautic, Space, Defense, Ship Building, Energy, Car, Trucks, Railway, Sport industries...). This powerful tool allows engineers to target specifications, to perform parameter and model refinement, very early in the design process and from a open, object-oriented and interactive environment for multi-disciplinary optimization.

BOSS quattro 4.3 gives again to SAMTECH the opportunity to demonstrate to the whole optimization community its high level of expertise in Scientific Software development. The main new capabilities of the version 4.3 of **BOSS quattro** are interpolation functions (RBF, KRIG, neurons networks), generalization of the database of design points, the "best point" optimization algorithm and the reading of nodal sensitivities of time calculated by SAMCEF Mecano, the non-linear module of SAMCEF.

Additionally, numerous standard functionalities have been improved in **BOSS quattro 4.3**, in the tasks management over the network, in the optimization algorithms but also in the graphical exploitation of results. A particular effort has been put on the link with various commercial FEA software (NASTRAN, ABAQUS, SAMCEF, ...).

BOSS quattro 4.3 is available on all major UNIX, LINUX platforms, WINDOWS NT4 SP6, 2000 and XP Pro. It uses FLEXLM as licenses manager.



About SAMTECH

Founded in 1986, SAMTECH is now the European leading provider of scientific analysis and optimization software, professional solutions and associated services.

SAMTECH develops and markets:

“Generic purpose software tools”:

- the general implicit linear and non-linear Finite Element Analysis package SAMCEF,
- the general explicit and fast dynamics code EUROPLEXUS,
- the CAD/CAE modeling environment FIELD,
- the task management and optimization platform BOSS quattro,
- TEA Mecano and TEA Thermal CAA V5 Based (non linear thermo-mechanical solution embedded in CATIA V5)

“Professional solutions” answering to dedicated industrial needs:

- SAMCEF Rotor (Rotor Dynamics),
- SAMCEF Bolt (Composite assemblies analysis),
- SAMCEF HVS (Analysis of High Voltage Substations)

“Third party and customized solutions” like SAFE from Airbus (Fatigue analysis), where SAMTECH provides its customers with software development professional services for the reengineering, the development, the packaging and the deployment of proprietary professional solutions

“Customized multi-physics solutions”, based on OOFELIE. OOFELIE is commercialized by Open Engineering, SAMTECH' subsidiary that allows SAMTECH to be present on the multi-physics design markets and to provide services for the development of original highly coupled analysis solutions covering specific needs.

For further information about **BOSS quattro**, please contact :

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