## Job Posting Title
Software Development Engineer – Solvers and HPC

## Company
Samtech SA is a subsidiary of Siemens expert in the development of numerical simulation technologies. More precisely, Samtech is a world class leader in Computer Aided Engineering Structure Analysis software for aeronautic, space, automotive, energy and other advanced manufacturing industries. Samtech helps customers designing better products and improves their competitiveness by reducing their time-to-market and costs.

With a unique combination of simulation software, testing systems and engineering services, Siemens Industry Software, Samtech's parent company, tunes into new innovative products' critical engineering attributes, ranging from system dynamics, structural integrity and sound quality to durability, safety and power consumption.

## Department
For Samtech in Liege (Belgium), we're looking for a Software Development Engineer. You will be a member of the Solver team which is responsible for the design and the development of the FE software SAMCEF dedicated to Structural Analysis. This team also takes responsibility for the realization of studies for industrial customers and for the support of users, internal or external to the company. This team also participates in different R&D projects with the financial support of the region or of the European Community.

## Responsibilities
- Responsibility for the design, development and maintenance of the FE Software SAMCEF
  - Participation in internal and external technical meetings to discuss new developments
  - Writing software requirements and user manual
  - Design and coding the functions as defined in the software requirements
  - Definition of the tests and test scenarii to validate the developments
  - Correction of bugs communicated by the Customer Support
  - Second Level Support
- Responsibility for the realization of studies
  - Attending meeting with the customer to clarify the need
  - Support to write technical and commercial proposals
  - Achievement and/or follow-up of the technical tasks
  - Participation in the progress meetings of the project
  - Contribution to the study report

## Profile requirements
- Educational Level: Degree in Mechanical Engineering or Physics, PhD
- Experience:
  - Proven experience in Solid Mechanics
  - Experience in Numerical Analysis
  - Experience in Software Development
- Specific technical competencies:

- o Good knowledge of the solution methods used in a non-linear FEM software
- o Proven skills in Fortran and C
- o Experience in High Performance Computing and willing to get involved in this field
- o Familiar with IT environments: Linux, Windows, Unix
- Languages:
  - o French
  - o Good knowledge of English (both written and spoken),
- Specific personal competencies:
  - o Creative
  - o Quality-awareness
  - o Customer oriented attitude
  - o High interest in Solid mechanics and FE Modeling evolution (literature, …)
  - o Team spirit and flexibility

## Conditions

Samtech offers, besides an attractive salary and benefits package, an internationally oriented and innovative high-tech environment. Samtech is a fast growing, yet financially healthy company with a flat structure and an informal, flexible atmosphere. People working within the company say they get a lot of room for initiative and career development. Samtech is driven by innovation, and therefore fosters the creativity of its employees. Samtech provides continuous training and competence development, stimulating personal development with respect to technical and/or management skills.

## Contact Persons

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