For our location in Bolzano we are looking to strengthen our team with a

CIVIL / MECHANICAL / SOFTWARE ENGINEER

About CAEmate:

CAEmate is a rapidly growing **hi-tech company** active in the development of innovative **software solutions** and cloud applications targeted to engineering workflow automation. The company employs the most advanced technologies in **object oriented programming, cloud-computing** and **numerical simulation** (FEA, CFD, DEM) to improve efficiency and safety in the engineering design procedures.

The Research Project:

The selected engineer will participate to a **Marie Skłodowska-Curie Innovative Training Networks** (ITN) **European project**. This project aims to train highly skilled engineers, through the international collaboration of industry and academia.

At the end of the project, the participating engineers are awarded with the PhD title - European Industrial Doctorate (EID). The PhD title for this position is awarded by the University College London (Department of Mechanical Engineering).

The reasearch project aims to improve the **scientific** and **technological** understanding of the thermomechanical behaviour of **structural membranes**. In particular, the target is the development of **advanced design methods** for innovative, fully recyclable and low-carbon structural membranes, through new engineering models capable of predicting their performances and allowing their rational use in ultralightweight buildings with enhanced energy efficiency and resilience.

CAEmate contributes to the project with the **development** of **innovative software technologies** and **custom numerical simulation tools**.

Your Profile:

The candidate must have a **master degree in engineering** and being specialized in one or more of the following fields (civil, mechanical, software, energy, electronics, fluid dynamics, CAE). The candidate should be capable to program in one or more of the following **programming languages** (Python, C++, FORTRAN, Javascript), or be highly motivated to learn it.

The ideal candidate is a **skilled**, **hard working**, **rapidly learning engineer**, wanting to be introduced to the most advanced techniques for engineering simulation and design.

Good knowledge of written and spoken **English** is required. Knowing other languages is a plus (Italian, German, Spanish).

Have we caught your interest? Then we would like to get to know you!
Please send your application, consisting of a letter of motivation and CV, to:
info@caemate.com

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