For our location in Bolzano we are looking to strenghten 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 of Belgrade (Faculty of Mechanical Engineering).

The objective of the project is to derive **new computational models** for **refractory materials**, which will make possible for the first time to simulate in-silico their behaviour over the whole of working temperature range. These models will be a breakthrough in the design of components like refractory nozzles, plates, ladle and tundish slide gate systems, which will directly translate to **energy savings**, **waste reduction** and **decreases in pollution** and CO_2 emission, together with safety improvements.

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

CAEmate SRL
Alessandriastrasse Nr. 15
39100 Bolzano (BZ), Italy
+39 0471 1726937

info@caemate.com
https://caemate.com

CAEmate