



Function description

Function name	Software development engineer
Position in the organization	Reports to Manager Software Engineering
Goals of the function	Support the development and realization of new software modules and features for the PLD process equipment. Responsible for clear documentation of the developed software.

Description of work

Solmates is a high-end OEM equipment supplier for the MEMS / LED / Semiconductor market. To enable growth as well as enhancing functionalities, the Software development engineer is part of the in-house engineering team that is continuously improving the PLD deposition equipment. He or she plays a crucial role in the overall realization of these goals in various development projects.

Main tasks for a Software development engineer:

- Conceptualize and design transparent and robust control mechanisms in the field of machine automation and mechatronics.
- Since we use a large variety of programming languages, you have a broad understanding of controlling and programming and you have special interest in physics and logic in general.
- Ability to perform basic troubleshooting of software related issues
- Providing input for overall system improvements
- 10-20% of working time travelling to customers worldwide for on-site software activities

Other interests

As Solmates is a young and dynamic company, multi-tasking and clear planning is of vital importance. All personnel should understand their core role and where to support others.

Within Solmates there are no predefined guidelines; self-management and self-motivation are two key-required competences.

Required educational level	Bachelor or Master Degree in the field of Mechatronics, Electrical Engineering or Computer Sciences. Also, we encourage students in the field of the above (BSc. or MSc.) with affinity for technical computer science to apply.
Required experience/skills	You have knowledge of the .NET Framework, WPF, C# and XML. And/Or, have knowledge of the concepts of a PLC system with skills in at least one of the programming languages defined in IEC 61131-3.