



POWER ELECTRONICS R&D ENGINEER

Company: MITSUBISHI ELECTRIC R&D CENTRE EUROPE
1, allée de Beaulieu, CS 10806, 35708 Rennes Cedex 7, France
Web site : <http://www.mitsubishielectric-rce.eu/>

Duration: undetermined term period (CDI), starting as soon as possible

Reference: MERCEFREE0311

Context and description:

MITSUBISHI ELECTRIC is one of the leading manufacturers of power electronics related products such as power devices, inverters for motor drives. As MITSUBISHI ELECTRIC Group's subsidiary, MITSUBISHI ELECTRIC R&D CENTRE EUROPE (MERCE) includes Energy and Environment (E&E) technology division specialized in power electronics and its application to renewable energy systems and motor drive systems.

MERCE is located in Rennes (France – Bretagne [35]) and is looking for a Power Electronics R&D engineer who will have the following duties and responsibilities:

- Study, design and development of high efficiency power converter topologies and control method of the power converter
- Development of integration technology to realize very compact high reliability power converters
- Development of power converters from concept making for power conversion circuit topology and simulation for performance evaluation to performance verification by experiment

Requirements:

- At least 4 years of experience within the power electronics field through a public or private R&D laboratory (industrial experience is a plus)
- Expertise in power converter design and development from simulation to the realization of prototype, both DC/DC and DC/AC topologies
- Basic knowledge of thermal management technologies and material science
- Familiarity with simulation tools such as PSIM, PSPICE, MATLAB/Simulink.

Essential qualifications:

- PhD degree on any subject linked to power electronics converters is desirable

Personal Profile:

- Ability to work across multiple tasks methodically and efficiently and meet committed timescales
- Motivated to work in dynamic environment and adaptable to changes in priority
- Excellent communication and interpersonal skills: ability on sharing information with team players (must show evidences of team-working)
- Fluent English
- Availability for international business trips

Contact:

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