



Job Description

Job Title:	Senior Embedded Software Engineer
Reporting to:	Senior Engineering Manager
Location:	Redwood Shores California

Role Summary:

This role entails the development of embedded firmware for Enecsys Communication Gateway product. The role constitutes will require development on the embedded linux platform.

Key Tasks & Responsibilities:

- Write new firmware for Enecsys Communication Gateway product
- Should document all aspects of the software planning and design phase including test phase.
- Be involved in complete testing of the software.
- Fix known bugs and use tracker.
- Use version control to tag and release firmware.

Skills & Experience Required:

- Solid educational background in Computer Science or Software Engineering to degree level (desirable);
- Excellent knowledge of C, C++ and Object Oriented Programming;
- Experience in Linux Software Development on the applications level and knowledge of POSIX api (essential), or Kernel level (desirable);
- Solid understanding of databases using SQLite (desirable)
- Experience using the Qt development platform (desirable)
- HTTP protocol, open source web servers, HTML format knowledge.
- Experience with Eclipse development tools, TI code composer studio and knowledge of ARM 9 (desirable).
- Data handling optimization, thread safe data access.
- Experience of UI development for Linux, embedded systems or cross-platform development;
- Understanding of Networking and TCP/IP protocols;
- Experience with SVN (desirable).
- Understanding of UML models, diagrams and UML tools;

About Enecsys

Enecsys Limited, develops, manufacturers, and markets world-leading, highly reliable, grid-connected solar micro-inverters and monitoring systems for residential and commercial photovoltaic systems that offer an outstanding value proposition. The micro-inverter maximizes energy harvest and converts the DC power from each solar module into quality AC power for supply to the electricity grid.



The advantages of Enecsys solar micro-inverters include: maximized energy harvest, improved safety, increased lifetime and reliability, enhanced performance monitoring, and simplified PV array design and installation. The monitoring system tracks, in real-time, the performance of each solar module and transmits the information through a robust built-in wireless communication system that connects to the Internet.

Headquartered in Cambridge, UK, the company also has sales and support offices in Bad Homburg, Germany and in Redwood Shores, California.

For more information, please visit <http://www.enecsys.com>