RENNES R&D CENTER FRANCE

OVERVIEW

The Rennes facility is a product development center for Mobile Devices business. The site has developed advanced mobile phone products and employs 138 highly skilled and experienced specialists covering all aspects of the development process in all domains linked to wireless, multimedia, connectivity, embedded SW, high tech products ….

15 years experience in multicultural & multi-site environment, created in the early 90s by Mitsubishi Electric and ISO 9001 certified.

Located in France's Telecom Valley, the Rennes R&D center has demonstrated over the years its ability to innovate and deliver high technology products and systems in a challenging fast moving business environment.

We are ready for a new challenge

SITE ACCOMPLISHMENTS

- Up to 2001 – **First world wide** : WAP Phone - GPRS phone - GSM-PDA (windows CE)
- 2002 – **First world wide** - GSM/GPRS with color LCD
- 2003 – First Step2 I-mode clam with VGA camera and DoCoMo Java1.5
- 2004/2005 – First Step3 I-mode clamshell with 2MP CCD cam and DoCoMo Java 2.5 – First slider - Wap versions for Asia
- 2005/2006 – Team has **joined Motorola**, developed and launched **2 new products in 9 months** then Razor 3G I-mode
- 2007 – Team has developed Z10 SmartPhone (Symbian OS kick slider) – Platform design and development.
- 2008 – Introduction of a **high-end MultiMedia platform**, 3 disruptive products study based on new HW & SW platform (2 slider & 1 tablet). **Android OS** introduction

COMPETENCIES

- Manage the entire product creation cycle: Invent, specify, plan, develop, integrate, validate, launch and maintain highly technical electronic systems.
- Expertise in SW specification, development & integration of platforms and products from drivers to applications (inc. Branded Services and third party SW) on Symbian architecture as well as other OS including Proprietary, Windows and moving forward on Linux/Android.
- Expertise in cost efficient and ultra low power HW architectures including multi RF systems coexistence (2G, 3G, wifi, Bluetooth, GPS, DVB-H) packaged in complex form factors requiring advanced mechanical integration and materials.
- SW and HW development of full Connectivity features such as Wifi, AGPS, USB-HS, Mass Storage, Bluetooth advanced profiles …
- SW and HW development of high end Multimedia features such as 5MP camera auto focus, media player, DVD quality video recorder, FM Radio, TVout, HDMI…
- SW and HW Base Porting, single and dual core processors platforms and development of HW related features such as Touch Screen, Haptics, Light, Location and Motion Sensors.
- SW integration, validation and maintenance: aggregate deliveries from multiple sources, create test plans, high productivity testing, defect management, configuration and release management.
- State-of-the-art measurement and product validation capability: acoustic chamber, radio frequency chamber, antenna chamber (inc. SAR), imager Lab and mechanical validation Lab
- Project and product management, introduction of new products in distant manufacturing sites

ORGANIZATIONAL STRUCTURE

Total Headcount = 138

- **General management: 2**

- **Software (70)**
  - SW design, development & integration
  - SW Branded services
  - Industrial Design

- **Hardware (44)**
  - Electrical (BB/RF/CAD): 26
  - Mechanical (inc. Simulation) : 16
  - Product Safety & Compliance: 2

- **Program Management: 5**
- **Product Management : 1**
- **Quality: 3**
- **New Product Introduction: 4**
- **Support**
  - **IT IS: 5**
  - **HR: 1**
  - **Procurement:1**
  - **Admin : 2**

LOCATION

- Domicile in Rennes, Brittany region capital, France
- Close by Orange research, multimedia and internet services labs, in the heart of Rennes a technology innovation hub (telecom, images and networks)
- 2 hours from Paris by Train, 1 hour from Paris by plane

FACILITIES and ASSETS

- 2240 m² fully featured offices, including IT infra
- 600 m² equipped labs area
- 11x11x6m RF anechoid chamber
- 3x3x3m RF anechoid chamber, SAR bench
- 2.5x2.5x2.5m acoustic chamber