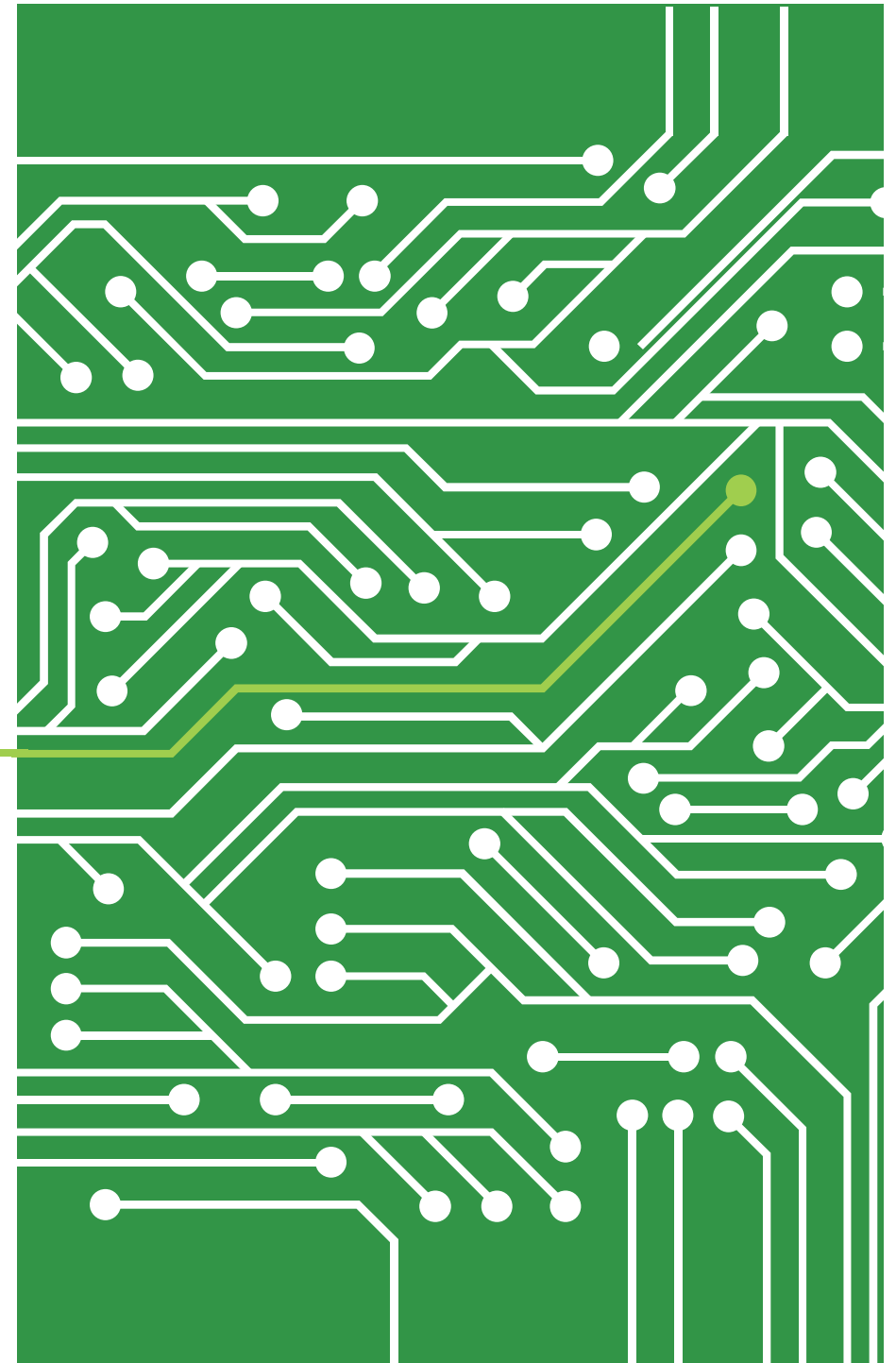




***2Day customised course on Vodafone CrowdCell
Venue: Malaga***

Lime Microsystems | FPRF company
Guildford, Surrey, United Kingdom



Agenda:

A comprehensive course on App enabled Radio Access Networks based on CrowdCell and its key components.



BUSINESS CONFIDENTIAL

Day 1- Software Defined Radio



- **9:30 Intro – Lime & Products Portfolio** (Danny) 15mins
- **Software Defined Radio – An Introduction** (Danny) 15mins
- **LimeSDR and LimeNet Micro – Inside the box** (Danny, Zack) 15mins
- **Software Defined Radio– Demos** (Danny, Zack) 75mins

- *Break 20mins*

- **Radio and Programming Considerations** (Danny) 20mins
- **Software Defined Radio Deep Dive – LMS7002M MIMO Radio** (Danny, Karlos) 60mins
- **LimeSuite API and drivers (with application examples)** (Danny, Zack) 25mins
- *Lunch 45 minutes*

- **Crowd Cell – Intro + Inside the Box** (Karlos) 30mins
- **CrowdCell Demos** (Karlos, Zack, Danny) 60mins
- **Questions and Discussion** 30mins

Day 2 - CrowdCell



- **Recap from Day 1** (Danny, Karlos) 10min
- **CrowdCell Deep Dive – Configuring and monitoring LTE** (Zack, Karlos) 45mins
- **Crowd Cell Deep Dive – Case Study – NB-IoT Webserver** (Danny) 25mins
- **Crowd Cell Deep Dive – Various applications and services** (Karlos, Zack) 30mins
- *Break 20mins*
- **Crowd Cell Deep Dive – Using Pantahub for Remote Administration** (Anibal) 2hrs
- *Lunch 45 minutes*
- **Gaining practical experience with using CrowdCell** – discussions, team based study regarding applications and external hardware that can be used/attached to CrowdCell, configuring CrowdCell, Q&A. (Team) 1hr

Demos

1. *LimeNet Micro – Osmocom GSM Base Station (Zack)*
2. *LimeNet Micro – LimeScan (Zack)*
3. *LimeNet Micro – LTE Scanner (Danny)*
4. *LimeSDR-USB – LimeSuite with W-CDMA Demo (Danny)*
5. *Crowdcell – NextCloud Video Call (Karlos)*
6. *Crowdcell – Youtube Video (Karlos)*
7. *Crowdcell – Virtual Reality Environment (Karlos)*
8. *Crowdcell – People Tracking and Counting (Karlos)*
9. *Crowdcell/LimeNet Mini – NB-IoT Webserver (Danny)*

