

Wireless Infrastructure Solutions

MECOM Abu Dhabi, May 2011



Wireless-Cellular sites

☉ Unique, end-to-end suite of leading RF solutions ready to support next generation voice and data-rich wireless services



Innovations in cellular sites to ease the introduction on new technologies

New multiband antennas

New self-supporting structure for antennas.

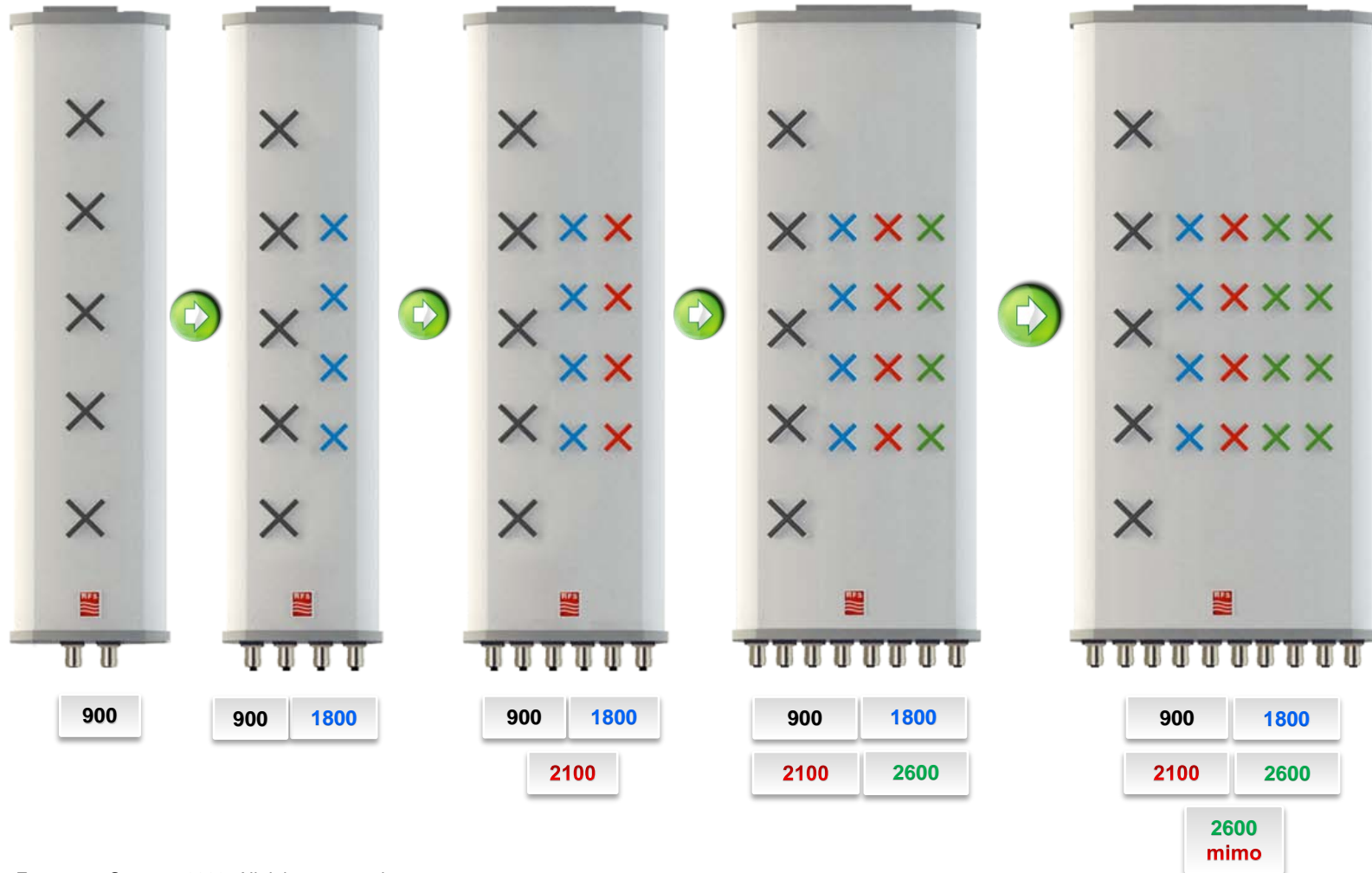


Innovations in cell sites solutions with RFS

- **Introducing new frequencies in antennas**
 - New multiband platforms
 - New quadband for 2G/3G/4G
- **The challenge of site acquisition**
 - Low visual impact
 - Quick and easy installation



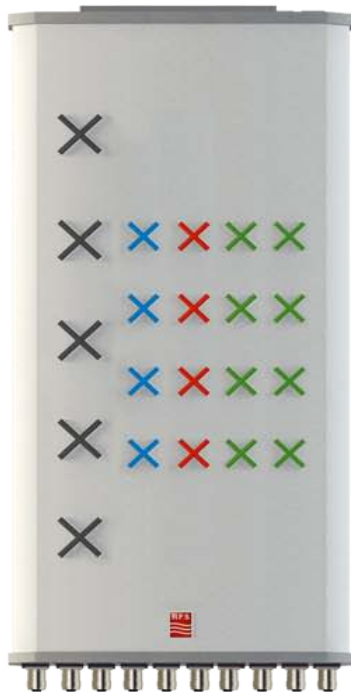
The challenge of introducing new frequencies...



The challenge of introducing new frequencies...

Windload is priority # 1

Further optimize antenna shaping



< 33cm





New RFS quadband antennas 900/1800/2100/2600 MHz

No compromise on
RF performance

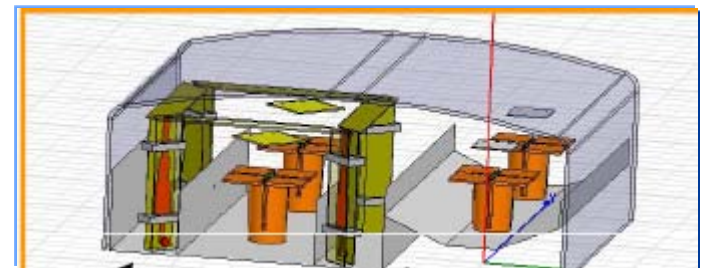
Gain

Upper Side Lobe suppression

Passive Intermodulation (PIM)

Manufacturing quality

Most efficient radiating pattern



RFS innovations

Patented dipoles (low & high band)
Brand new RF technology

The **ideal** antenna
for LTE overlay





The challenge of site acquisition

Crowded sites, no easy way to reuse

- **Multi-technology / multi-operators**
 - Masts already overloaded
 - No room left for new antenna
- **Bad visual impact**
 - Landlords reluctance
 - Neighbors complaining



⊕ **What RFS can bring to help you deploy a new technology?**



The challenge of site acquisition

RFS solution: Optimizer rooftop

- **Low visual impact and powerful**
 - Self supporting cylindrical structure
 - Can host TMA and RET (options)
 - Compatible with single/dual/triple band
- **Quick and easy to install**
 - Crane free
 - 4 hours installation by 2 persons
 - No drilling

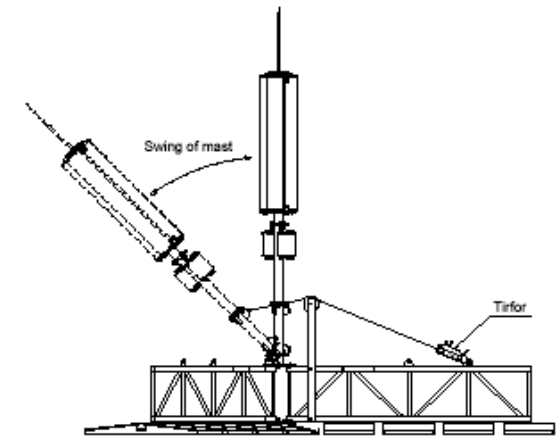


⇒ **30% savings compared to traditional approach!**

The challenge of site acquisition

Rooftop key benefits

- **Business case**
 - Save installation time
 - Avoid costly crane and ladder
 - Avoid costly mast installation
- **Standardized solution**
 - Cost effective compared to camouflage solutions
 - Reliable performance



⇒ **The rooftop is a cost-effective solution for your roll-out!**



Thank You

