



Contact *iGR*

Iain Gillott

(512) 263-5682

iain@iGR-inc.com

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New *iGR* study details power solutions available for Small Cell deployments

Study analyzes power options and issues for all types of small cells

AUSTIN, Texas, August 6th, 2015 – The demand for high quality data services on LTE networks continues to grow as mobile subscribers increasingly use their smartphones and tablets to watch mobile video, stream audio and update social media sites. As this usage increases, mobile operators are evolving their radio access network (RAN) to augment the coverage and capacity of their networks. These dense heterogeneous networks (het-nets) include many types of small cells – indoor small cells (picocells), Wi-Fi, outdoor small cells (metrocells), Distributed Antenna Systems (DAS), and Remote Radio Heads (RRHs).

Mobile operators must consider many factors when determining the location of the small cells in their het-net. As part of these considerations, the mobile operator must ensure that a steady power source is available and must answer several questions regarding power. Does the small cell require AC or DC power? How much power is required? What power is available at the site? Will backup power be required?

In its most recent market study, *iGR*, a market research consultancy focused on the wireless and mobile industry, has sought to answer these questions by providing a detailed analysis of the power requirements of various small cells, as well as the types of power solutions that are currently available and being deployed.

“Providing power is one of the major issues that must be considered when deploying small cells,” said Iain Gillott, president and founder of *iGR*. “Although other topics, such as location and type of backhaul, often get first consideration, providing a reliable and cost-effective power source is essential for a successful small cell deployment.”

iGR's new market study, [*AC/DC Power Solutions: The Forgotten Small Cell Requirement*](#), provides an analysis of the power requirements of various small cells, details the types of power systems that are available, and discusses the issues considered when choosing a power source.

The following key questions are addressed in the new research study:

- What is a het-net?
- What defines each type of small cell?
- What types of power systems are currently available and what are the benefits of using each type?
- What are the power requirements of each type of small cell and which types of power system are typically deployed for each?
- What types of backup are available and being used today?

The information in this market study will be valuable for:

- Mobile operators
- Enterprise technical personnel
- Power solution vendors
- Small cell vendors
- Financial analysts and investors.

The new report can be [purchased](#) and downloaded directly from *iGR*'s website at www.iGR-inc.com.

About *iGR*

iGR is a market strategy consultancy focused on the wireless and mobile communications industry. Founded by Iain Gillott, one of the wireless industry's leading analysts, in late 2000 as *iGillottResearch*, *iGR* is now in its fifteenth year of operation. *iGR* continuously researches emerging and existent technologies, technology industries, and consumer markets. We use our detailed research to offer a range of services to help companies improve their position in the marketplace, clearly define their future direction, and ultimately improve their bottom line.

iGR researches a range of wireless and mobile products and technologies, including: smartphones; tablets; mobile wearable devices; connected cars; mobile applications; bandwidth demand and use; small cell and het-net architectures; mobile EPC and RAN virtualization; DAS; LTE; VoLTE; IMS; NFC; GSM/GPRS/UMTS/HSPA; CDMA 1x/EV-DO; iDEN; SIP; macro-, pico- and femtocells; mobile backhaul; WiFi and WiFi offload; and SIM and UICC.

A more complete profile of the company can be found at www.igr-inc.com.