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New *iGR* white paper discusses issues with providing power to 5G small cells

Sponsored by Alpha Technologies, the white paper also provides analysis of various power options

AUSTIN, Texas, June 27th, 2019 – Power is the forgotten issue with respect to small cell siting. The assumption that power is available everywhere, like in the home or office, is not true, because a usable source of power does not always coincide with the optimal location for the small cell. An operator might have the spectrum, backhaul and location at their ideal, desired location, but not have a source of power running to the site.

Small cells are essential components of 4G and 5G network architectures, but until the power issue is solved, it will be difficult to ever achieve routine deployment. *iGR*, a market research consultancy focused on the wireless and mobile industry, has written a white paper that discusses the issues of providing power to small cells and focuses on two alternative methods for powering small cell networks: hybrid fiber coaxial cable (HFC) and remote line power (RLP).

“Power for small cells can be as hard and as expensive to provision as fiber backhaul,” said Iain Gillott, president and founder of *iGR*. “However, remote power helps by creating new standards that can accelerate routine deployment for small cell and 5G networks.”

iGR's new white paper, [Powering the 5G Small Cell Era](#), which was commissioned by Alpha Technologies, discusses small cells and why they are necessary in evolving mobile networks, small cell power attributes, the need for backup, and other issues regarding small cell power. The white paper also focuses on two alternative methods for powering small cell networks: hybrid fiber coaxial cable (HFC) and remote line power (RLP).

The following key questions are addressed in the new white paper:

- Why are small cells necessary for 5G networks?
- What are typical power requirements for small cells?
- What are the two primary ways to get power to a small cell site?
- When is backup power necessary and how is it provided?
- What is power over Ethernet (PoE)?
- What is hybrid fiber coaxial cable (HFC) and what are some of its benefits and challenges?
- What is remote line power (RLP) and what are some of its advantages and disadvantages?

The new white paper can be [downloaded](#) at no charge directly from *iGR*'s website. Alternatively, [email](#) Iain Gillott for additional details.

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 nineteenth 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: 5G, 4G LTE, smartphones, tablets, connected cars, V2X and V2V, mobile applications, bandwidth demand and use, 5G small cell and het-net architectures, 5G new core virtualization, mobile EPC and RAN virtualization, edge computing, in-building wireless, CBRS, mmWave, spectrum farming, DAS, VoLTE, macro-, pico- and femtocells, mobile front/backhaul, WiFi and WiFi offload.

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