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***iGR* study forecasts the use of Distributed Antenna Systems (DAS) in Commercial Buildings in the U.S.**

DAS, part of the het-net solution, will meet the rising demand for mobile data inside large commercial buildings

AUSTIN, Texas, April 30th, 2013 – Distributed Antenna Systems (DAS), as part of the heterogeneous network concept (HetNet), are one option for mobile operators as they seek to supply enough licensed-spectrum capacity to deal with peak data demand, as well as provide coverage, throughout large buildings and stadiums.

DAS systems are typically deployed to improve both the voice and data coverage on licensed cellular bands in office buildings, as well as in venues with a particularly high density of users such as stadiums and convention centers. Many sports arenas across the U.S. have installed DAS to improve the wireless service for guests. Offloading the cellular traffic of 60,000 attendees at a football game greatly relieves the serving macrocells and provides a better user experience for those subscribers.

DAS typically only makes sense in large buildings or venues. For one part of the total addressable market forecast, *iGR* made a detailed analysis of the number of buildings in the U.S., building sizes, and number of floors per building.

"iGR believes that the vast majority of DAS deployments will occur in buildings with more than 100,000 square feet," said Iain Gillott, president and founder of *iGR*, a market research consultancy focused on the wireless and mobile industry. "These large buildings are prime candidates for the improved voice and data coverage provided by DAS. The bigger the building, the more likely it will be a target for DAS deployment."

iGR's new market study, *U.S. DAS Total Addressable Market, 2012 – 2017: The Large Building and Venue Opportunity*, defines DAS architecture, overviews use cases, provides profiles of 22 DAS vendors, and gives a five year forecast for the total addressable market for DAS systems, as well as DAS nodes (antennas.)

The following key questions are addressed in iGR's research studies:

- What is the DAS architecture?
- How do DAS and small cells compare?
- What is the difference between neutral DAS and single host DAS?
- What are the challenges that surround a DAS deployment?
- What are the advantages provided by DAS?
- What are the typical use cases for DAS?
- What improvements do U.S. consumers want in their cellular voice coverage and how might DAS help provide these improvements?
- What are the key elements and assumptions in iGR's total addressable market forecast for DAS?
- What is the five year total addressable market forecast for DAS systems in both commercial buildings and multi-dwelling units (MDUs)?
- What is the five year total addressable market forecast for DAS nodes in both commercial buildings and multi-dwelling units (MDUs)?

In addition, a number of DAS vendors are profiled in the report, including:

- Advanced RF Technologies, Inc. (ADRF)
- Axell Wireless
- Betacom Incorporated
- BTI Wireless
- C Squared Systems
- Comba Telecom
- CommScope
- Connectivity Wireless Solutions
- Corning MobileAccess
- CSI (Cellular Specialties, Inc.)
- Ethertronics
- Galtronics
- iBwave
- Inner Wireless/Black Box Network Services
- NextG Networks / Crown Castle
- Optiway (now Cello)
- RFS - Radio Frequency Systems
- SOLiD
- Solutelia
- TE Connectivity
- Tempest Telecom Solutions
- Zinwave

The information in these reports will be valuable for:

- Mobile operators
- DAS vendors and solution providers
- Mobile network infrastructure OEMs

- Mobile network software and services providers
- Financial analysts and investors.

The reports can be purchased and downloaded directly from *iGR*'s website at www.iGR-inc.com. Alternatively, contact Iain Gillott at (512) 263-5682 or at Iain@iGR-inc.com 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 entering its thirteenth 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 applications; bandwidth demand and use; small cell architectures; 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.