

**U.S. DAS Market
Forecast, 2012 - 2017:
*Installations, Tenancy,
OpEx and CapEx***

Market Study
Fourth Quarter, 2013





U.S. DAS Market Forecast, 2012 - 2017: *Installations, Tenancy, OpEx and CapEx*

A Market Study

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Abstract

Since a great deal of mobile phone usage happens indoors, mobile operators are looking to small cells as a way to solve in-building coverage/capacity issues. A DAS is a type of small cell – along with repeaters, remote radio heads, femtocells, picocells, metrocells and WiFi.

This report forecasts the actual number of installed DAS in the U.S. It is a follow-on report to one that *iGR* published earlier in 2013 that sized the total addressable market (TAM) for DAS in the U.S.

DAS is a wireless telecommunications architecture that is characterized by multiple antennas connected to processing units that are geographically distributed throughout a network. DAS requires an antenna/repeater and cellular base station to provide a RF signal throughout a building or area DAS.

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.

This *iGR* market study defines DAS architecture, overviews use cases, provides profiles of 23 DAS vendors, and gives a five year forecast for the number of installed DAS in the U.S. and the total addressable market for DAS in the U.S.

Key questions addressed:

- 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 market forecast for installed and carrier DAS?
- What is the five year market forecast for installed and carrier DAS?

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- What are the key elements and assumptions in *iGR's* CapEx and OpEx forecast for installed DAS?
- What is the five year CapEx and OpEx forecast for installed and carrier DAS?
- 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)?

Who should read this report?

- Mobile operators
- DAS vendors and solution providers
- Mobile network infrastructure OEMs
- Mobile network software and services providers
- Financial analysts and investors.

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