U.S. DAS Market Forecast, 2014 - 2019: *Installations, Tenancy, and Spending for Commercial Buildings and MDUs*

Market Study
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A Market Study

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Abstract

Since a great deal of smartphone and tablet usage happens indoors, mobile operators are looking to small cells as a way to solve in-building coverage/capacity issues. A Distributed Antenna System (DAS) is a type of small cell that provides coverage and capacity in buildings of all sizes.

This *iG*R market study defines DAS architecture, discusses the advantages and challenges of DAS, and provides profiles of almost twenty DAS vendors. The study also provides a five-year forecast for the total addressable market and number of installed DAS in the U.S. for both commercial buildings and multiple dwelling units (MDUs). Forecasts are also included for the expected spending on building DAS and operating the systems.

DAS is a wireless telecommunications architecture that is characterized by multiple antennas connected to processing units that are distributed throughout a venue – e.g., a stadium, hotel, airport, etc. DAS requires an antenna/repeater and cellular base station to provide a RF signal throughout a building or other indoor/outdoor area. DAS systems are typically deployed to improve both the voice and data coverage on licensed cellular bands in a variety of venues.

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 is a DRS and how does it compare to DAS?
- What are the key elements and assumptions in *iG*R's total addressable market forecast for DAS?
- What is the five-year total addressable market forecast for DAS systems in both commercial buildings and MDUs?
- What are the key elements and assumptions in *iG*R's market forecast for installed and carrier DAS?

- What is the five-year market forecast for installed and carrier DAS in commercial buildings and MDUs?
- What are the key elements and assumptions in *iG*R's build spending and operating costs forecast for installed DAS in commercial buildings and MDUs?
- What is the five-year build spending and operating costs forecast for installed and carrier DAS 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.