U.S. Indoor Small Cells: A Five Year TCO for 100k and 500k SqFt Office Buildings

Market Study
Fourth Quarter 2018

U.S. Indoor Small Cells: A Five Year TCO for 100k and 500k SqFt Office Buildings

Market Study

Published Fourth Quarter 2018
Version 1.0
Report Number: 04Q2018-02

iGR
12400 W. Hwy 71
Suite 350 PMB 341
Austin TX 78738

Table of Contents

Quoting information from an *iG*illottResearch publication: external — any *iG*illottResearch information that is to be used in press releases, sales presentations, marketing materials, advertising, or promotional materials requires prior written approval from *iG*illottResearch. *iG*illottResearch reserves the right to deny approval of external usage for any reason. Internal-quoting individual sentences and paragraphs for use in your company's internal communications activities does not require permission from *iG*illottResearch. The use of large portions or the reproduction of any *iG*illottResearch document in its entirety does require prior written approval and may have some financial implications.
Copyright © 2018 *iG*illottResearch, Inc. Reproduction is forbidden unless authorized.
FOR INFORMATION PLEASE CONTACT IAIN GILLOTT (512) 263-5682.

Quoting information from an *iG*illottResearch publication: external — any *iG*illottResearch information that is to be used in press releases, sales presentations, marketing materials, advertising, or promotional materials requires prior written approval from *iG*illottResearch. *iG*illottResearch reserves the right to deny approval of external usage for any reason. Internal-quoting individual sentences and paragraphs for use in your company's internal communications activities does not require permission from *iG*illottResearch. The use of large portions or the reproduction of any *iG*illottResearch document in its entirety does require prior written approval and may have some financial implications.
Copyright © 2018 *iG*illottResearch, Inc. Reproduction is forbidden unless authorized.
FOR INFORMATION PLEASE CONTACT IAIN GILLOTT (512) 263-5682.

Abstract

This report presents an in-building wireless total cost of ownership model for an Active DAS installed in a 100,000 square foot and 500,000 square foot office building. The model focuses on Active DAS, but it can be adapted to contrast and compare any type of in-building wireless system. All of the assumptions *iG*R used to reach its cost estimate are included in the report.

Key questions addressed in this market study include:

- What is an in-building wireless system? What are indoor small cells, indoor DAS, active, passive and hybrid DAS, signal boosters, DAS Lite, femtocells and picocells and Cloud RAN?
- What are some of the issues with deploying indoor small cells in the U.S.?
- How do these issues impact the cost of deploying indoor small cells in the market?
- Where are indoor small cells most likely to be located? What's their role?
- What are the main drivers of indoor small cell deployment costs?
- How much does it cost to deploy indoor small cells?

Who should read this report?

- Mobile operators
- Infrastructure OEMs
- Small cell product and solution vendors
- Backhaul service providers and equipment OEMs
- Financial analysts and investors.

Quoting information from an *iG*illottResearch publication: external — any *iG*illottResearch information that is to be used in press releases, sales presentations, marketing materials, advertising, or promotional materials requires prior written approval from *iG*illottResearch. *iG*illottResearch reserves the right to deny approval of external usage for any reason. Internal-quoting individual sentences and paragraphs for use in your company's internal communications activities does not require permission from *iG*illottResearch. The use of large portions or the reproduction of any *iG*illottResearch document in its entirety does require prior written approval and may have some financial implications.
Copyright © 2018 *iG*illottResearch, Inc. Reproduction is forbidden unless authorized.
FOR INFORMATION PLEASE CONTACT IAIN GILLOTT (512) 263-5682.