

Building Optimization and Commissioning Services

Commissioning, Recommissioning, Retrocommissioning, and Continuous Commissioning Services: Market Analysis and Forecasts

Commissioning services, which include initial building commissioning as well as recommissioning, retrocommissioning, and continuous commissioning, are designed to ensure that a building's equipment and control systems are performing as designed and that procedures are in place to maintain high performance over time. While these services have been offered for decades, a surge in growth in energy-efficient building design, along with the increased complexity of construction projects today, has accelerated demand for commissioning services in recent years.

Commissioning services today are provided largely by engineering services companies, who perform testing and tuning procedures at specific key points during a building's lifecycle, particularly at the point of initial construction or in the context of an energy efficiency retrofit. However, the service model for building optimization and commissioning services is changing, as continuous commissioning services have started to enter the market. These software-based services, provided continuously rather than once every few years, tap into the streams of data generated by building control systems to provide building owners with insight into performance anomalies on a real-time basis. Continuous commissioning services will become an increasingly valuable market segment as demand for building energy management systems (BEMS) grows. Overall, Pike Research forecasts that the market for commissioning services, estimated at \$2.2 billion worldwide today, will grow to \$4.4 billion in 2020.

This Pike Research report examines the worldwide market for building commission services, including initial commissioning, recommissioning, retrocommissioning, and continuous commissioning. Market drivers and barriers are explored in detail, along with global demand-side dynamics. The report analyzes future technology trends in continuous commissioning and profiles 22 key industry players. Market forecasts, segmented by region and by type of commissioning, are provided through 2020.



KEY MARKET FORECASTS:

- Commissioning Services Revenue by Service Type and Building Type, World Markets: 2012-2020
- Commissioning Services Revenue by Service Type and Building Type, North America: 2012-2020
- Commissioning Services Revenue by Service Type and Building Type, Europe: 2012-2020
- Commissioning Services Revenue by Service Type and Building Type, Asia Pacific: 2012-2020
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- Commissioning Services Revenue by Service Type and Building Type, Middle East/Africa: 2012-2020

TECHNOLOGIES:

- HVAC (heating, ventilation, and air conditioning) equipment
- Building automation systems (BAS)
- Commissioning services (Cx)
- Building energy management systems (BEMS)
- Energy efficiency engineering services

GEOGRAPHIES:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

BUILDING TYPES COVERED:

- Office
- Retail
- Education
- Healthcare
- Other

SERVICE TYPES COVERED:

- Commissioning
- Recommissioning
- Retrocommissioning
- Continuous Commissioning

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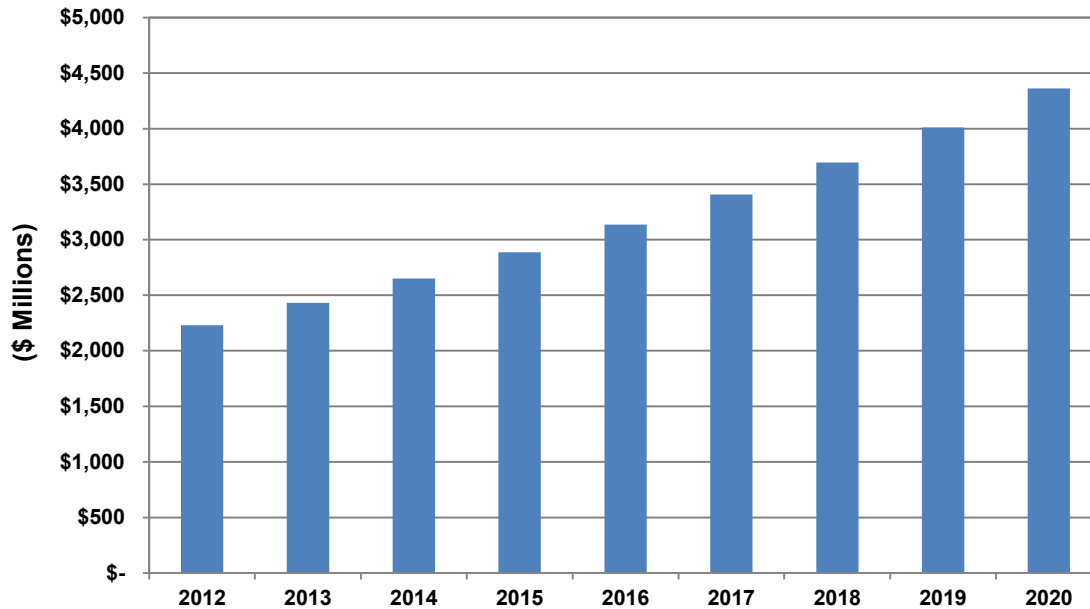
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Total Commissioning Services Revenue, World Markets: 2012-2020



(Source: Pike Research)

KEY QUESTIONS ADDRESSED:

- How large is the building commissioning services market and how fast is it growing?
- How do approaches to building optimization services vary across different world regions?
- How will the advent of continuous commissioning transform the commissioning services business model?
- Who are the main players in the building optimization and commissioning services market?
- How do the various types of commissioning – recommissioning, retrocommissioning, and continuous commissioning – compare?
- What are the benefits of commissioning to building owners and managers?
- What capabilities will be necessary to ensure competitive advantage in the growing commissioning services market?

WHO NEEDS THIS REPORT?

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- Consultants and Systems Integrators
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- Government Agencies
- Investor Community

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