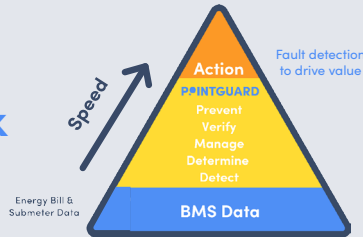# PointGuard Automates the Retro-Commissioning Process

PointGuard automates the retro-commissioning process using FDD algorithms to "walk the building" on a 24/7 basis and help drive savings.

Speed

Fault detection to drive value

Action

P●INTGUARD

Prevent
Verify
Manage
Determine
Detect

BMS Data

Energy Bill & Submeter Data

Lawrence Berkley National Labs has concluded you need software to organize, analyze, and prioritize BMS data in order to drive savings.

Why is MBCx Important?

Commercial buildings frequently undergo operational and occupancy changes that challenge the mechanical, electrical and controls systems, hindering performance.

In today's complex buildings, systems are highly interactive with sophisticated control systems that can create a trickle-down effect on building operations – small problems have big effects on performance.
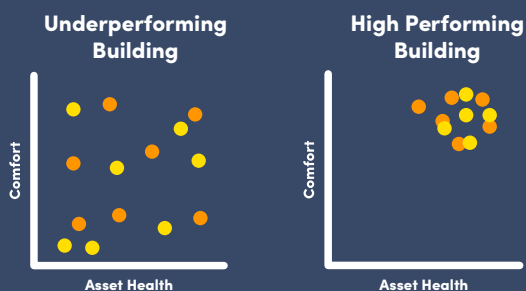
Even well-constructed and serviced buildings experience performance degradation over time.

What are the Benefits of MBCx?

Everyone benefits from MBCx. For owners, MBCx reduces building operating costs, thus increasing net operating income. Building managers notice fewer occupant complaints and increased ability to manage systems. Building staff receive training and improved records, and building occupants are more comfortable.
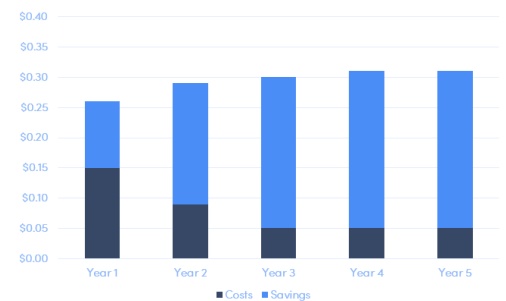
Cost and Benefits:

Commissioning software helps to lock in savings so that energy efficiencies are persistent over time while improving building performance.

Average Costs/Savings
(costs include onboarding, software license, professional labor and remediation costs)

	Year 1	Year 2	Year 3	Year 4	Year 5
$0.40					
$0.35					
$0.30					
$0.25					
$0.20					
$0.15					
$0.10					
$0.05					
$0.00					

■ Costs ■ Savings

PointGuard's Proven Process focuses on:

| **Deliver A+ Mechanical Comfort.**

| **Optimize Runtimes.**

| **Maximize Free Cooling.**

| **Deploy Advanced Control Strategies.**

| **Eliminate Waste.**

MBCx with Fault Detection

Benchmark performance to improve performance

Underperforming Building

Comfort

Asset Health

High Performing Building

Comfort

Asset Health

Clearly watch your portfolio become more profitable with increased Asset, Comfort, and Energy scores.

Each dot is a piece of equipment

P●INTGUARD
Building Confidence.