

CREATING SMARTER BUILDINGS

The Internet of Things (IOT) has the potential to unlock deep insights about IT (Information Technology) and OT (Operational Technology) aspects of Building Management by using data and insights from Machine Learning. Integrating Building Management Systems (BMS) with IOT sensors can provide insights that identify inefficiencies, predict maintenance needs, and alert facilities managers to equipment failures in real-time. In order to maximize the benefit of IOT investments, building managers should look to IOT solutions that aggregate across all systems (HVAC, utilities, security, etc.) to deliver a complete, contextual view of current building performance.

\$250K

COST OF DEPLOYING BUILDING MANAGEMENT SYSTEM FOR A 100,000 SQ FT FACILITY WITH TRADITIONAL SOFTWARE

*NRECA

\$50K

COST OF DEPLOYING BUILDING MANAGEMENT SYSTEM FOR A 100,000 SQ FT FACILITY WITH IOT SOFTWARE.

*Buildings Magazine

90%

OF ALL ENTERPRISE DATA IS UNSTRUCTURED, MAKING IT DIFFICULT TO ANALYZE WITH EXISTING ANALYTICS TOOLS.

*Deloitte

\$150B

TOTAL POTENTIAL IMPACT OF IOT TECHNOLOGIES IN OFFICES DUE TO SECURITY AND ENERGY SAVINGS IN 2025.

*McKinsey

60%

OF BUILDING ENERGY CONSUMPTION IS USED FOR HEATING, COOLING, AND LIGHTING.

*Gartner

DID YOU KNOW?

70% OF SURVEYED BUILDING EFFICIENCY EXPERTS BELIEVE THAT THE ABILITY TO PREDICT & DIAGNOSE PROBLEMS AND PROVIDE OR PROPOSE SOLUTIONS USING IOT TECHNOLOGIES WILL BE A GAME CHANGER.

*Deloitte

45%

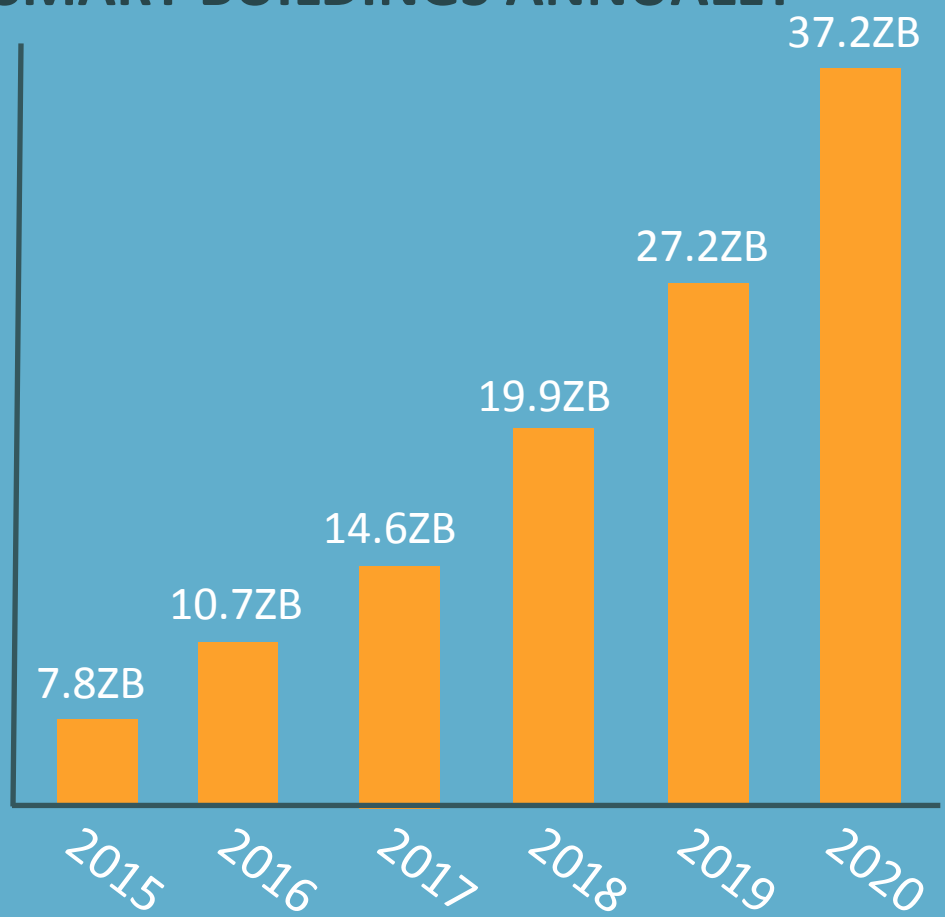
OF ALL CONNECTED THINGS IN USE IN 2015, WERE RELATED TO SMART HOMES AND SMART COMMERCIAL BUILDINGS.

81%

OF ALL CONNECTED THINGS IN USE IN 2020, WILL BE RELATED TO SMART HOMES AND SMART COMMERCIAL BUILDINGS.

*Gartner

PROJECTED DATA CREATED BY SMART BUILDINGS ANNUALLY



*Statista

INCREASE COST SAVINGS WITH IOT

BUILDINGS IN THE U.S. ACCOUNT FOR:

70%

OF CONSUMPTION OF ELECTRICITY LOAD.

39%

OF ALL CO₂ EMISSIONS CREATED ANNUALLY.

*US Green Building Council

ENERGY SAVINGS POTENTIAL:

40%

OF ENERGY USED IN THE U.S. IS CONSUMED BY BUILDINGS.

30%

OF ENERGY CONSUMED BY BUILDINGS TODAY IS WASTED.

*US Department of Energy