BEYOND SMART CITIES

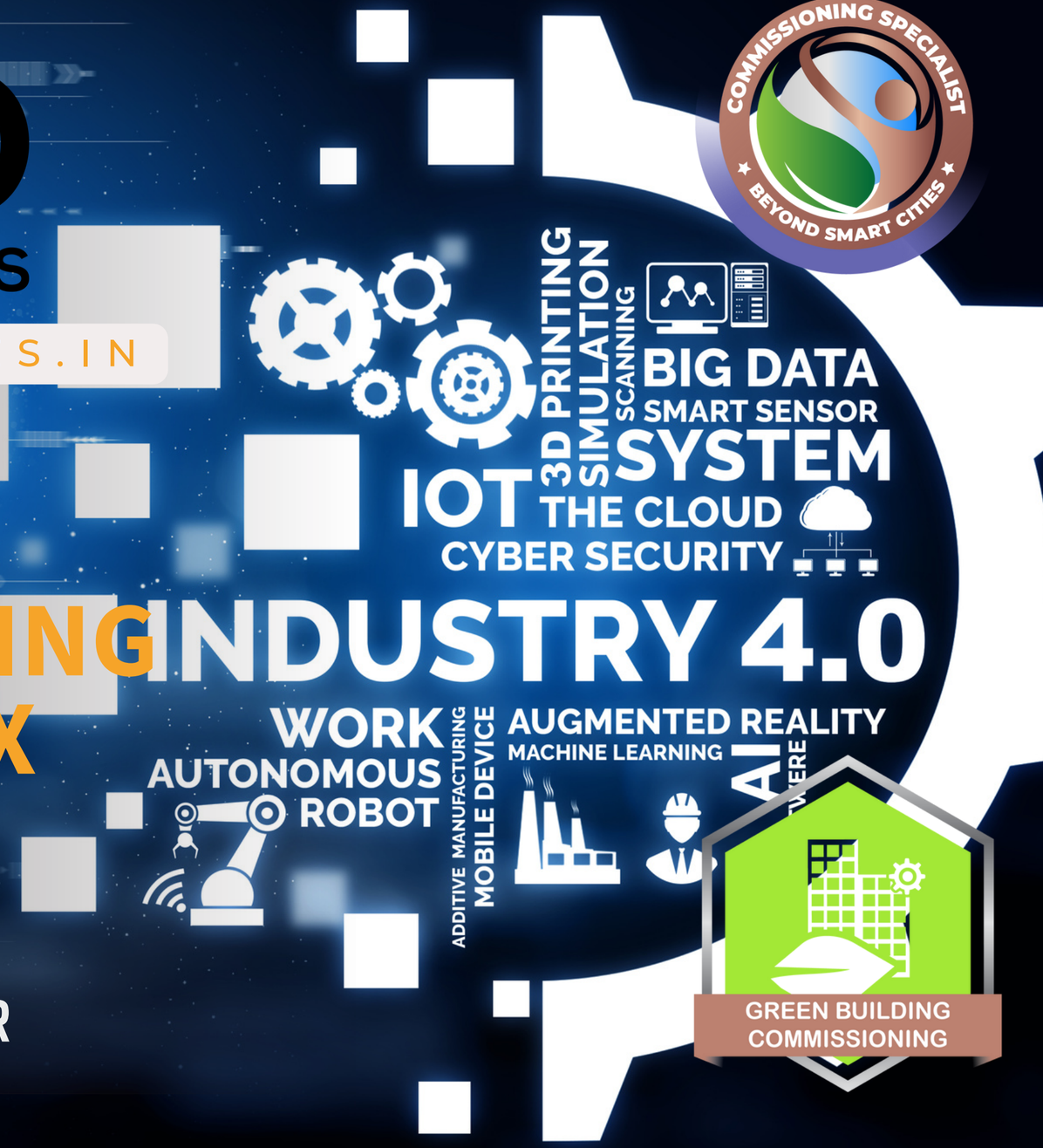
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WELCOME TO

BEYOND SMART BUILDING COMMISSIONING - SBCX

ONLINE TRAINING

KRISHNAJI PAWAR - CEO & FOUNDER



COMMISSIONING SPECIALIST
BEYOND SMART CITIES

GREEN BUILDING COMMISSIONING



2.What is SMART Building Commissioning?

KRISHNAJI PAWAR,LEED AP BD+C,GSAS CGP,ISO 14001:2015,GCP

COMMISSIONING SPECIALIST CURRICULUM

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The Smart Building Commissioning Program (SBCx) is a comprehensive building performance energy and energy optimization program designed to improve our client’s facility operation.

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Learning Objectives

- Brief Introduction
- Definition of smart Building Commissioning (SBCx)
- What is SBCx?
- SBCx – phases
- Benefits of SMART Building commissioning

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Introduction

- Smart commissioning can help to increase efficiency and reduce risks
- Smart building commissioning programmes examine and plan to optimise building performance. Disjointed facility performance strategies can jeopardise building health. But, an integrated, intelligent, and digital approach that combines one-time activities with ongoing services can reduce energy costs and enhance performance.
- Smart Building Commissioning optimises building systems and equipment to boost facility performance. SBCx initiatives can save 10-20% of energy and pay for themselves in two years.

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Definition of SMART Building Commissioning (SBCx)



The Smart Building Commissioning Programme (SBCx) is a technology-enabled approach for streamlining the commissioning of field instrumentation and a comprehensive building performance energy and energy optimisation programme designed to improve client facilities operations.

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Smart Building Commissioning –SBCx

- Smart Building Commissioning, our approach to Existing Building Commissioning (EBCx), enables the optimisation of building systems and equipment to enhance performance and efficiencies. In fact, SBCx projects are capable of producing energy savings between 10 and 20% and typically pay for themselves in about two years.

- Today, we recognise that all building systems and components can generate and process massive amounts of data, but data is only useful if it’s transformed into action. What makes SBCx especially cost-effective is its ability to harness facility data to drive the commissioning process.

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Benefits of Smart Building Commissioning

We have an in-depth understanding of building systems, and our solution adds an extra layer of defence to our dedication to ensuring that your building operates at its fullest capacity both now and in the years to come. Listed below are some of the advantages that participating in the SBCx programme can bring about.

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Building Performance Improvement – Benefits

The SBCx programme enhances building performance, which is closely linked to the reduction of energy costs. This is accomplished by ensuring that all building systems and subsystems work together to meet the current facility requirements (CFRs) of the building. CFRs are, in effect, the performance targets that are sought after during the commissioning process.

Reduce Utility Spend – Benefits

Using a methodical approach, the SBCx process finds waste as well as inefficiencies in the building's many systems and subsystems. The elimination of this waste via the implementation of commissioning conservation measures at every stage of our operation translates in energy savings and reduced electricity costs for our consumers.

The normal savings range from 10 to 20 percent, and the investments often pay for themselves in roughly two years. In addition, projects may qualify for additional financing from other sources, such as financial incentives and programmes offered by utilities.

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Occupancy Comfort – Benefits

It is the responsibility of the building systems to provide occupants with an atmosphere that is not only pleasant but also conducive to good health.



As part of the SBCx process, comfort concerns in the building are identified, building standards are produced, and system adjustments are made, which ultimately result in comfort issues being mitigated by the time the project is completed.

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Controls Optimization – Benefits

Sixty to eighty percent of the conservation measures that are discovered as part of the structure are accounted for by sub-optimal building management systems. Existing sequences of activities are examined and, if necessary, adjusted as part of the process of conducting an SBCx inquiry. This is done to verify that the operation of the building satisfies the facility criteria that are now in effect.

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Regulatory Requirements- Benefits

We will assist you in all of the compliance issues that are associated with the Joint Commission, CSA, FDA, USDA, OSHA, CDC, NIH, EPA, ISO, and state and local regulations by utilising the SBCx process and by having complete knowledge of the specific regulations that are in place under which healthcare, biotechnology, and manufacturing operations are carried out.

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Building Certification – Benefits

Building owners and managers may choose from a variety of different certification systems for their structures. The SBCx method will guarantee that you are compliant with the standards, regardless of the certification in which you are interested, by incorporating those criteria into the existing facility requirements of the building.

Reduce Carbon Footprint – Benefits

The use of energy by commercial and residential structures in the United States accounts for more than 70 percent of the total consumption of power in the country. The fundamental consequence of the SBCx process is a reduction in the amount of energy that is used in buildings, and there is a clear connection between this reduction and a smaller carbon footprint for the building.


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