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LEED GREEN ASSOCIATE EXAM
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ONLINE TRAINING BY KRISHNAJI PAWAR
LEED AP(BD+C),GSAS CGP,GCP,ISO 14001
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MODULE 8

Integrative Strategies

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The integrative process credit encourages the coordination of all the project team members, starting from the predesign phase, to discover unique opportunities for project design, enhanced building performance, and green features.

Learning Objectives

- Introduction and Course Outline
- Knowing the Process of LEED Credentialing
- Basic Concepts of Sustainable Design
- Organizational Fundamentals
- LEED Green Building Rating System
- LEED Certification Process
- Getting a LEED Green Associate Credential
- Integrative Strategies
- Location and Transportation
- Sustainable Sites

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INTRODUCTION

- Introduced as a pre-design practice for early intervention on project sustainability goals.
- Aims to identify synergies across disciplines and building systems before critical decisions are finalized.
- Addresses sustainable design considerations impacting energy consumption, water usage, and site conditions.
- Benefits include early evaluation of parameters, implementation of sustainable solutions, and fostering creativity.
- Requires commitment to LEED certification early in the process.
- Includes a LEED consultant like BEYOND SMART CITIES for input from all design team members.

INTEGRATIVE PROCESS

As you will find, the process is more than a checklist or using building information modeling (BIM). The integrative process requires input and participation from every project team member, especially in the early stages, to understand the building systems interrelationships and discover opportunities for increased performance, efficiencies, and environmental benefits.

THE INTEGRATIVE APPROACH TO DESIGN AND CONSTRUCTION

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The integrative process is a key tool for project teams to successfully coordinate triple bottom line concepts, involving identifying team members and reviewing conventional design and construction processes to understand their importance and key aspects.



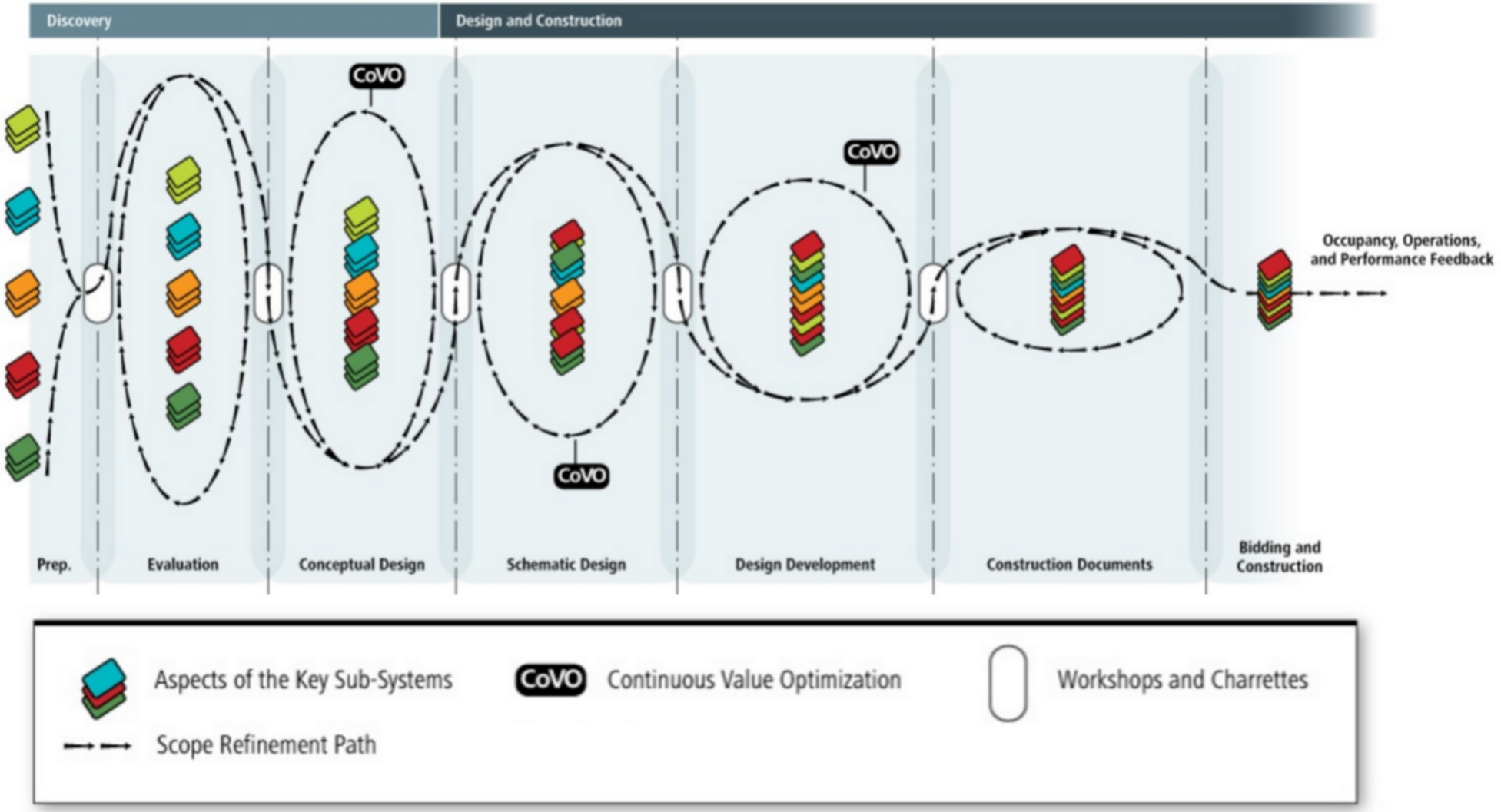
THE INTEGRATIVE APPROACH TO DESIGN AND CONSTRUCTION

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- Provides a holistic approach to understanding a project's life cycle.
- Enables design professionals to identify synergies that unify a project.
- Requires regular workshops or charrettes, research promoting positive synergies, and continuous evaluation of designed systems.
- Considers the opinions of other stakeholders, including community members.
- Encourages community involvement in architectural review proceedings.

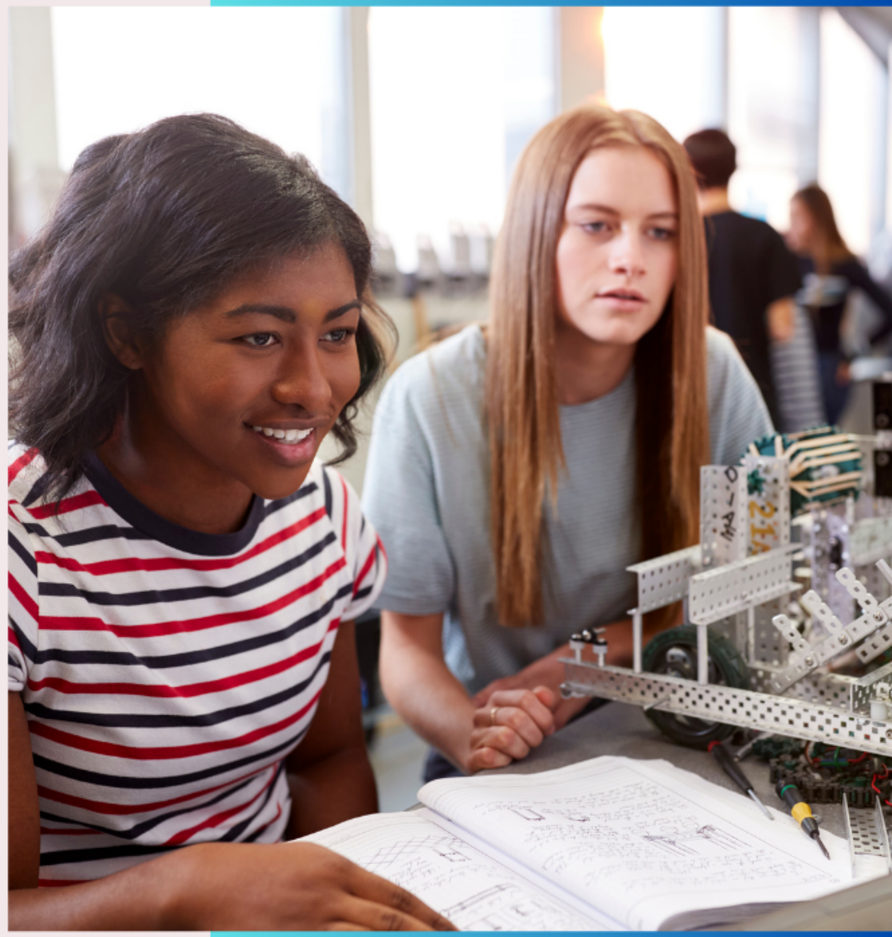


Integrative Process



THE INTEGRATIVE APPROACH TO DESIGN AND CONSTRUCTION

- The integration of design and construction disciplines is crucial for successful LEED and green building design.
- The process involves a team of clients, designers, builders, and operators identifying overlapping relationships, services, and redundancies among systems.
- This approach can improve building performance, human performance, and environmental benefits.
- The Integrative Process Credit encourages integration during early design stages, focusing on energy- and water-related research and analysis.



THE INTEGRATIVE APPROACH TO DESIGN AND CONSTRUCTION

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- The process includes three phases: Discovery, Design and Construction (implementation), and Occupancy, Operations, and Performance Feedback.
- The structure to manage this low amount of people, information, and analysis involves gathering relevant information, analyzing it, and participating in workshops to identify opportunities for synergy.
- The process of research, analysis, and workshops is done in an iterative cycle that refines the design solutions.
- The research and workshops continue until the project systems are optimized, all reasonable synergies are identified, and the related strategies associated with all LEED credits are documented and implemented.



BENEFITS OF INTEGRATIVE PROCESS IN DESIGN

- Early evaluation of parameters allows for sustainable solutions implementation.
- Fosters creativity and allows for ambitious ideas before detailed details.
- IP sets up the project properly, opening opportunities for additional points.
- Earning IP credit requires commitment to LEED certification early.
- A LEED consultant like Beyond Smart Cities is needed before schematic design completion for Integrated Process meeting and team input.



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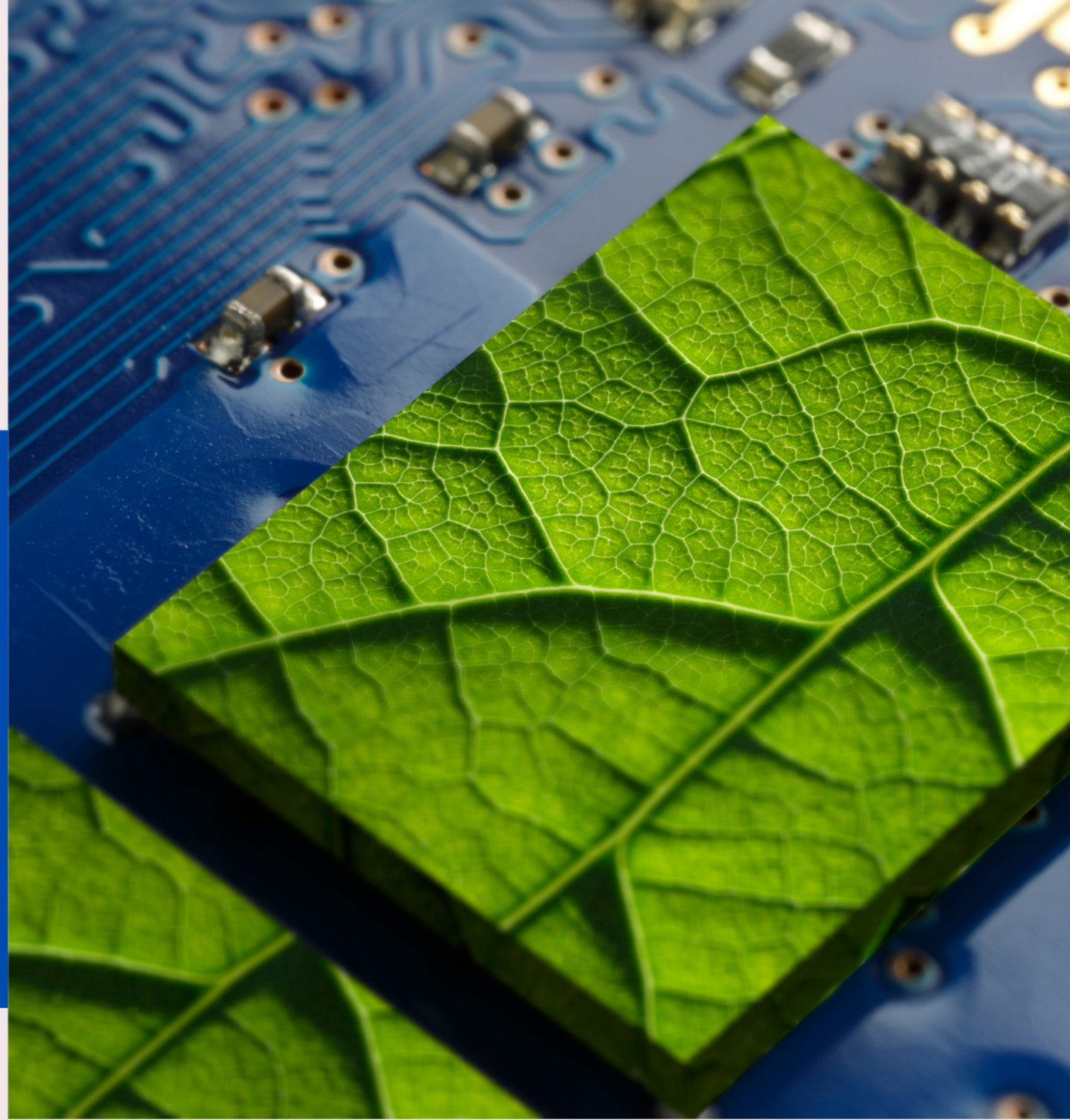
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