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PEARL QUALIFIED PROFESSIONAL
PQP OVERVIEW
ONLINE TRAINING BY KRISHNAJI PAWAR
LEED AP(BD+C),GSAS CGP,GCP,ISO 14001
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MODULE 5

Pearl Rating System for Estidama – Building Rating System

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PEARL QUALIFIED PROFESSIONAL OVERVIEW

This lecture discusses the Pearl Rating System for Estidama – Building Rating System program, covering all building types and phases, including new construction, interior fit-outs, operations, maintenance, and core/shell.

Learning Objectives

- Introduction
- How green buildings fight climate change
- Sustainable Development and Green Buildings
- Organizational Fundamentals
- Pearl Rating System for Estidama – Building Rating System
- Advantages of and PQP & Pearl Rating System
- Getting a PQP Credential
- Summary and Resources
- PQP Quiz_Test Your Knowledge!

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INTRODUCTION

- Sustainability is defined as maintaining conditions for productive harmony between humans and nature.
- Estidama PRS Green strategies and technologies should consider sustainable design and green building concepts.
- Green building is a process that applies to buildings, their sites, interiors, operations, and communities.
- Green building strategies aim to reduce environmental impact and improve the conditions for the planet and interior environments for building occupants.
- It's a holistic approach to finding responsible solutions within the build environment.

PEARL RATING SYSTEM FOR ESTIDAMA – GREEN SYSTEM GOALS

- Addresses climate change and ESG goals.
- Enhances resilience and supports equitable communities.
- Focuses on the big picture, considering all critical elements.
- Aims to reduce global climate change contribution.
- Enhances individual human health.
- Protects and restores water resources.
- Protects and enhances biodiversity and ecosystem services.
- Internationally, voluntary building rating systems have been instrumental in raising awareness and popularizing green design.
- Enhances community quality of life.



PEARL RATING SYSTEM FOR SUSTAINABLE BUILDINGS IN ABU DHABI

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- Promotes water, energy, and waste minimization, local material use, and improved supply chains for sustainable materials.
- Applicable to offices, retail buildings, multi-residentials, schools, and buildings with mixed uses.
- Assesses sustainability across a broad list of required and optional credits.
- Results in a final rating of One Pearl to Five Pearls depending on the total point-score a building project achieves.
- Organized into eight categories: Integrated Development Process, Natural systems, Livable buildings: outdoors and indoors, Precious water, resourceful energy, Stewarding materials, and Innovating practice.



ESTIDAMA BUILDING DESIGN AND SUSTAINABILITY FEATURES

- Located on brownfield land near public transport routes.
- Travel plan to encourage public transportation use.
- Cycle parking and showers for staff.
- Native/adaptive planting.
- Improved outdoor thermal comfort/shading.
- Low VOC emission and non-polluting materials used.





ESTIDAMA BUILDING DESIGN AND SUSTAINABILITY FEATURES +



- Improved occupant thermal comfort controls.
- Energy monitoring and reporting for each end use.
- Improved building envelope and MEP system efficiency.
- Energy-efficient appliances.
- Low water usage fixtures and solar hot water generation.
- Improved construction (81% achieved) and operation waste.
- Building currently monitored for empirical data measurement.

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ESTIDAMA PRS COMPONENTS

- Integrated Development Process (IDP): Facilitates integration of environmental and quality management systems.
- Natural Systems (NS): Protects and supports local habitats and environments.
- Livable Buildings/Communities/Villas/Spaces (LB/LC/LV/LS): Enhances indoor and outdoor spaces.
- Precious Water (PW): Minimizes water consumption and aids efficient water distribution.



ESTIDAMA PRS COMPONENTS +





- Resourceful Energy (RE): Minimizes energy use through renewable energy sources and demand control.
- Stewarding Materials (SM): Considers entire life cycle in building material selection.
- Innovating Practice (IP): Boosts innovation initiatives in building design and construction.

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PRINCIPLES

+ Scale for greatest impact.
+ Decarbonize the building industry swiftly to reflect the urgency of the climate crisis.
+ Inspire and recognize adaptive and resilient built environments.
+ Invest in human health and well-being.
+ Create environments in which diversity, equity and inclusivity thrive.
+ Support flourishing ecosystems through regenerative development practices.

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PQP EXAM QUESTION BANK

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THANK YOU

