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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 4

Organizational Fundamentals

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PEARL QUALIFIED PROFESSIONAL OVERVIEW

Established in Abu Dhabi the capital of the UAE, Estidama is a building design methodology for constructing and operating buildings and communities more sustainable.

Learning Objectives

- Introduction
- How green buildings fight climate change
- Sustainable Development and Green Buildings
- Organizational Fundamentals
- How green buildings fight climate change
- 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.

ESTIDAMA PEARL BUILDING RATING SYSTEM

- Founded in 2010 as part of the "Abu Dhabi Vision 2030" initiative.
- Aims to create a framework for measuring sustainability performance beyond planning and construction phases.
- Addresses sustainability through four pre-defined angles: environmental, economic, social, and cultural.
- Utilizes the Pearl Building Rating System to evaluate sustainable building practices.
- Encourages water, energy, and waste minimisation, local material use, and improved supply chains for sustainable and recycled materials.
- Mandatory in Abu Dhabi, all buildings must achieve a minimum 1 Pearl Rating, and all government-funded buildings must achieve a minimum 2 Pearl Rating.



THE PEARL RATING SYSTEM: A GREEN BUILDING RATING SYSTEM

- Developed by Abu Dhabi Urban Planning Council as part of Estidama's sustainable development initiative.
- Applicable to communities, buildings, and villas with varying requirements.
- Similar to LEED, the system has certification levels ranging from one to three pearls.
- Minimum certification of one pearl is required for all new development projects in Abu Dhabi.
- Three stages of certification: Pearl Design Rating, Pearl Construction Rating, and Pearl Operations Rating.





THE PEARL RATING SYSTEM: A GREEN BUILDING RATING SYSTEM+



- Training seminars are available for all Pearl Rating Systems.
- Pearl Qualified Professionals (PQPs) are recommended for working on Pearl Rated projects.
- Up to five pearls can be awarded, with one mandatory for all developments and two required for all Abu Dhabi government projects.
- Only projects achieving three pearls include the Abu Dhabi Midfield Terminable Building and ten unspecified Abu Dhabi Education Council schools.

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PRS SYSTEM OVERVIEW

The Pearl Rating System is organized into eight categories, each featuring a set of required and optional criteria that can be adapted depending on the building's use:

– Integrated Development Process (up to 9 criteria)
– Natural systems (up to 7 criteria)
– Livable buildings: outdoors (up to 13 criteria)
– Livable buildings: indoors (up to 19 criteria)
– Precious water (up to 8 criteria)
– Resourceful energy (up to 10 criteria)
– Stewarding materials (up to 18 criteria)
– Innovating practice (up to 2 criteria)



GREEN DESIGN BENEFITS

- Reduces energy consumption without compromising comfort levels.
- Reduces destruction of natural areas, habitats, and biodiversity.
- Reduces air and water pollution, with health benefits.
- Reduces water consumption.
- Minimizes waste generation through recycling and reuse.
- Reduces pollution loads.
- Increases user productivity.
- Enhances image and marketability.



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