

Bentley competition: Penang South Island, State Administration Centre Proposal Plan

Overview:

The Bentley Competition for the Penang South Island State Administration Centre Proposal Plan is a unique and exciting opportunity for secondary school students to showcase their creativity, problem-solving skills, and understanding of environmental, social, and governance (ESG) principles. This competition challenges participants to develop a comprehensive plan for landscaping and building positioning, specifically focusing on ESG considerations.

Competition Focus:

The primary objective of the competition is to encourage students to think critically about urban planning, architecture, and sustainability. Participants will be tasked with designing a proposal for the State Administration Center in Penang, South Island, ensuring their plans align with ESG principles and priorities.

Competition Requirements:

Participants must create a detailed plan that includes landscaping and building positioning. Emphasis should be placed on incorporating ESG considerations throughout the proposal. This includes addressing environmental impact, promoting social inclusivity, and adhering to governance standards. All final results or plans must be presented using Bentley's software.

Bentley Software includes (not limited to):

1. Bentley Microstation
2. Bentley LumenRT

Judging Criteria:

Position of the Administration Center (15%):

- Site Optimization (5%): Evaluate how well the proposed location maximises the available space, considering factors such as sunlight exposure, wind direction, and overall integration with the surrounding environment.

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- Functional Efficiency (5%): Consider the efficiency of the proposed layout in facilitating the day-to-day functions of the administration building and offices.

Facilities Consideration of Function Space (25%):

- Parking Facilities (7%): Evaluate the design and capacity of parking facilities, taking into account the anticipated needs of both employees and visitors.
- Leisure Spaces (6%): Assess the inclusion of well-designed leisure areas that contribute to the overall well-being of the occupants and enhance the aesthetic appeal of the site.
- Service Facilities (6%): Consider the inclusion of service facilities such as waste management, security, and other essential services to ensure a smooth operation.
- Food and Beverage (6%): Evaluate the planning and integration of food and beverage spaces, considering factors such as accessibility, variety, and sustainability.

ESG Incorporation (25%):

- Environmental Sustainability (8%): Evaluate how well the proposal addresses environmental concerns, including energy efficiency, water conservation, and the use of sustainable materials.
- Social Impact (8%): Assess the proposal's consideration of social aspects, such as community engagement, inclusivity, and the creation of public spaces that foster social interaction.
- Governance Standards (9%): Evaluate the adherence to ethical governance practices, including transparency, accountability, and compliance with relevant regulations.

Overall Synergy of the Design and Concept (35%):

- Design Cohesiveness (12%): Evaluate how well the landscaping and building positioning work together to create a unified and aesthetically pleasing design.
- Innovative Concepts (12%): Assess the creativity and originality of the proposed design and concept, considering unique features or innovative solutions.
- Practical Feasibility (11%): Consider the practicality and feasibility of implementing the proposed design, considering potential challenges and realistic timelines.

Submission criteria:

- Video recording of presentation using Loom.
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