

The below answer sheet is for your own self-assessment. Please keep your completed questionnaires and answers on file for your record. Sustainability Summit will send you a Refuel certificate once your questionnaire has been submitted.

## The Evolution And Adaptation Of Green Roofs

**1. What are the key environmental benefits of green roofs in urban areas, particularly in terms of energy efficiency, stormwater management, and biodiversity enhancement?**

- Support a diverse array of plant life, providing aesthetic and recreational value.
- Enhance biodiversity and can even grow fruits, vegetables, and herbs.
- Offer greater insulation and cooling benefits due to their thicker substrate layer.

**2. What challenges do architects and builders face when designing and installing green roofs, particularly in terms of structural integrity, water management, and plant selection?**

- High Initial Cost
- Maintenance
- Roof Pitch
- Weight
- Climate and Location
- Proper Drainage
- Structural Support
- Maintenance Needs
- Energy-Efficient Features
- Environmental Impact

**3. What are the different types of green roofs, and how do their design, maintenance requirements, and benefits differ in residential versus commercial applications?**

- Semi-Intensive Green Roofs
- Biodiverse or Ecological Green Roofs
- Modular Green Roof Systems
- Blue-Green Roofs

**4. What role do green roofs play in promoting sustainability in urban development, and how can their adoption be encouraged through policy, incentives, and public awareness?**

- Stormwater Management
- Urban Heat Island (UHI) Effect Mitigation
- Energy Efficiency
- Air Quality Improvement
- Biodiversity and Habitat Creation
- Carbon Sequestration
- Sound Insulation
- Extended Roof Longevity