

# Sustainability in Design

# polytec

## **AACA Competency:** Design

### **Module Outline:**

Environmentalists agree that nature provides the ideal model for sustainability.

Nature does not waste, it repurposes and recycles.

Today's fossil fuels account for some 87% of the world's energy needs. In the modern world, buildings account for approximately 40% of energy consumption. This therefore makes buildings a crucial focus area in the efforts to reduce the use of fossil fuels.

By making the world's building energy efficient, massive savings can be made to both energy costs and CO2 emissions.

**1.0**

**FORMAL  
CPD POINT**

**ONLINE**

**1.0**

**FORMAL  
CPD POINT**

**IN-OFFICE**

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## **Learning Objectives:**

### **At the conclusion of this module you will be able to:**

1. Describe where you would access sustainability and performance information for different products and materials.  
**Design 3.1**
2. Discuss green building standards, labeling programs, and details to be included in specifications.  
**Documentation 6.5**
3. Be able to describe the variables of building product selection that impact sustainability and occupant-tenant health, including efforts on productivity and comfort.  
**Documentation 6.7**

## **Outcome:**

Longevity of building materials is very important. Building materials need to withstand wear and tear and often rough treatment putting strong emphasis on impact resistance of building materials, joinery, used in each project has a reduced environmental impact, relative to available alternatives.

## **Module Presenter:**

George Abagi is currently the National Specification Manager for **polytec** and has been with the company for 13 years. George's experience at **polytec** includes Specification Development Manager, Architectural Product Manager, and National Specification Manager. Prior to joining the **polytec** team, George was the General Manager of the Sydney Wardrobe Company. George also holds a Certificate 4 in Visual Arts, a Diploma in Business Administration, and a Bachelor of Arts (Hons).

**Duration:** 1 hour

**Sponsor:** **polytec**