



ASU INTERDISCIPLINARY SCIENCE & TECHNOLOGY BUILDING 3

Mesa, Arizona

The Interdisciplinary Science and Technology Building 3 (ISTB3) is a 34,594 SF laboratory and office building on the ASU Polytechnic Campus. This signature campus building was designed to meet LEED-NC Silver requirements but due to the efforts of a committed owner and an exceptional project team earned Gold certification. ISTB3 is part of the ongoing rebirth of Williams Field Air Force Base and the rapid expansion of the Polytechnic Campus in Mesa, Arizona. This facility is home to research in Applied Biological Sciences, Applied Psychology, Healthy Lifestyles and Plant-Made Pharmaceuticals. The majority of the space in ISTB3 is devoted to different laboratories that support applied research.



OWNER
ARIZONA STATE UNIVERSITY

ARCHITECT
JONES STUDIO, INC.

CONTRACTOR
HARDISON/DOWNEY

SUSTAINABLE STRATEGIES

- Energy-efficient lighting and daylighting strategies
- Extensive architectural shading features to control solar heat gain
- Xeriscape and high-efficiency drip irrigation systems
- Use of adhesives, sealants, paints and composite wood products with low or no volatile organic compound (VOC) content
- Significant daylighting and views for over 75% of occupied spaces within the building
- The Green Cleaning Program utilizes Green Seal Certified cleaning products, promoting health and productive performance of occupants
- The garden areas are irrigated with clean water that is the waste product of a fuel cell operated next to the building by the Salt River Project.

PROJECT RESULTS

- LEED** for New Construction GOLD level achieved
- 18%** energy cost savings above ASHRAE 90.1-1999 energy standard
- 100%** savings of potable water use for irrigation
- 42%** savings of potable water for domestic uses
- 75%** of construction waste was diverted from the landfill

LEED Facts

LEED for New Construction v 2.1
Square Footage: 34,594 SF
Certification Date: 8/7/2007



POINTS ACHIEVED **41/69**

	Sustainable Sites	11/14
	Water Efficiency	4/5
	Energy and Atmosphere	3/17
	Materials and Resources	7/13
	Indoor Environmental Quality	11/15
	Innovation and Design Process	5/5

Think

Design

Build



Green Ideas™
Environmental Building Consultants