Applied Technology Building

San Bernardino Valley College

Project: Technical Education Project

Square Feet: 114,897 sq. ft.

Current Project Budget: $101.1M
State Funding: $33.7M

Delivery Method: Design-Bid-Build

Architect: HMC Architects
Contractor: Icon West, Inc.
Construction Manager: Safework
Project Manager: AECOM

Project Status: In-Construction

Start of Construction: Jun 2022
Project Completion: Jan 2025

Local Hire: 54%

Project Goal: Consolidate and increase the laboratory capacity for Career Technical Education (CTE) programs at San Bernardino Valley College by replacing the existing Technical Building with a new larger building.

Sustainability Features

- All electric mechanical design, eliminating use of gas
- Direct/Indirect evaporative cooler and heat recovery chiller
- Six solar thermal chimneys throughout automotive labs enhancing natural ventilation
- Rooftop solar generating 70% of anticipated operational use
- Photovoltaic demonstration entry canopy
- Solar battery storage
- Direct current power and battery storage demonstration
- Daylight solatubes bring natural light into labs and classrooms
- High velocity, low speed fans in automotive labs
- Modular wetland linear biofiltration system
- Underground water storage and treatment
- **Title 24:** Exceed Title 24 by 31%
- **EUI:** 29 kBtu/sf/year

On Track for LEED Platinum Certification

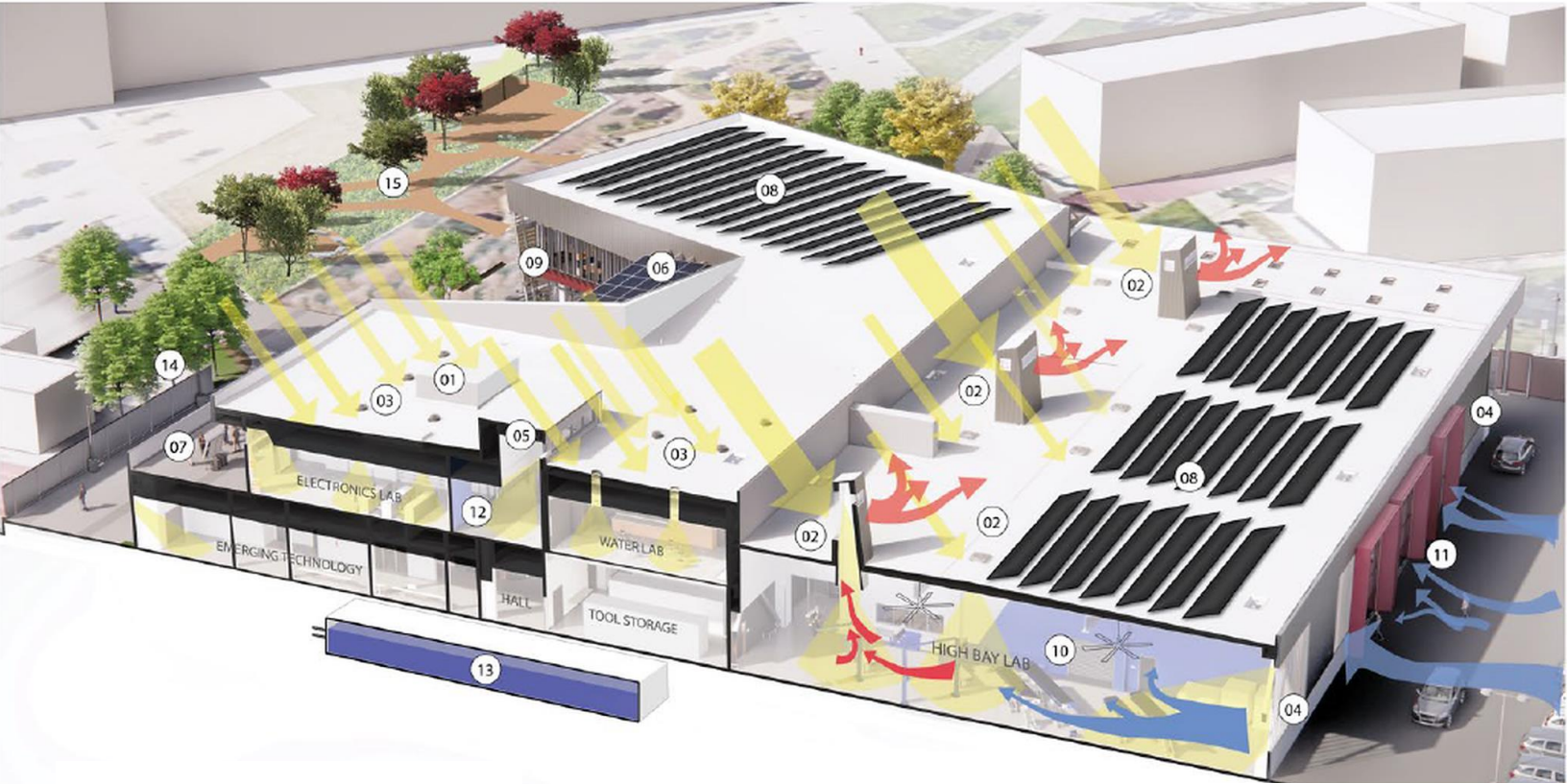| Education Programs Offered	
Automotive (Traditional, Hybrid, & EV)	Modern Machining
Solar Technology	Water Technology
Heavy/Medium Truck Technology	Electricity & Electronics
HVAC&R	Industrial Automation

Sustainability Features

1	All electric mechanical systems	9	Sunshade devices
2	Thermal chimney	10	High-velocity, low-speed fans
3	Tubular skylights	11	Operable doors and windows
4	Light wall	12	Student sticky spaces
5	Light monitor	13	Water storage
6	Photovoltaic canopy	14	Modular wetlands
7	Photovoltaic deck	15	Bio & Wellness Garden
8	Photovoltaic roof		

Awards

USGBC California Green Building Award
- 2024 Merit for Energy and Operational Carbon

USGBC-LA Sustainable Innovation Awards
- 2023 Merit for Health and Well Being
- 2022 Honor in Sustainable Development Strategy
- 2021 Honor in Sustainable Development Strategy

California Higher Education Energy & Sustainability
- 2020 Best Practice Overall Sustainable Design

American Institute of Architects – Inland California
- 2020 Honor Award

San Diego Green Building Council Sustainability Award
- 2020 Merit in Certification Systems – New Construction