

SIO CoLo Facility

Overview

- 60 Racks
 - 19 x 2, Long Pods
 - 11 x 2, Short Pods
- Dedicated Research Group Racks
- Shared Rack Space

Power

- 480V @ 600A Service to Pods
- 208V 3-phase @ 20A (~6kW/Rack)
- Emergency Power (TBD)

Cooling

- Hot-aisle Containment Design
- Each Pod Cooled Independently
- SIO Chilled Water Loop
 - 100 Ton Hubbs Hall
 - C/W loop from IGPP Reville & Eckart Buildings Provides Additional Capacity
- External Chilled Water Connection for Portable, Emergency Backup Cooling

Fire Suppression - Two systems

- ENCARO-25 Clean Agent - Gas
 - Human-Safe
 - Protects Equipment
- PreAction System - Water
 - Two-Factor Trigger
 - Smoke, Heat, Human Actuated
 - Only Activated If Gas System Fails

Environmental/Security Monitoring

- Room and Chilled Water Temperatures
- Room Humidity
- Water Leak Detection
- Security Cameras
- Electronic Keyless Entry

