

CUIR Industry Day 2026

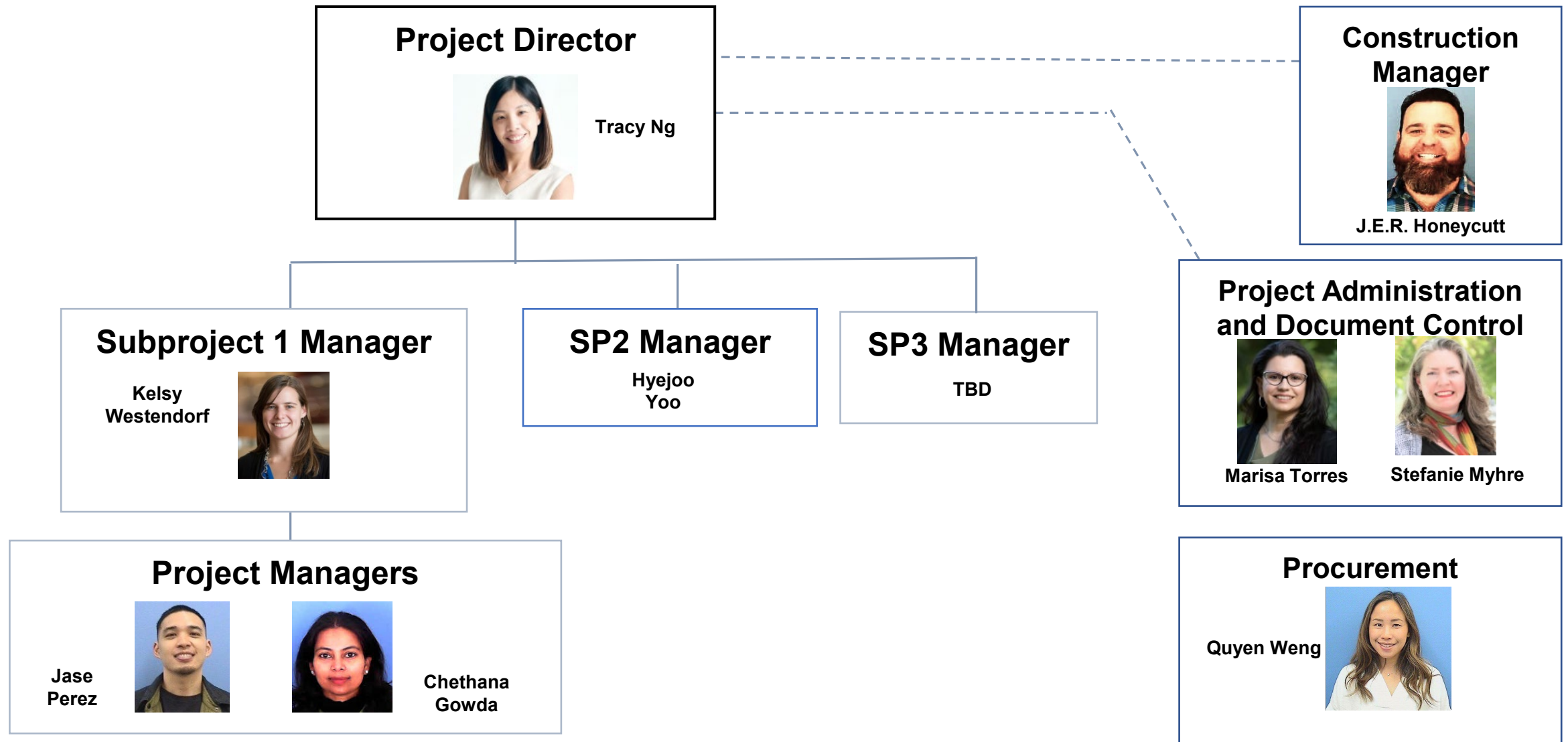
Welcome!

Tracy Ng, CUIR Project Director
7 October, 2026

Agenda

9:00 – 9:05 AM	Welcome (5 mins) Tracy Ng, CUIR Project Director
9:05 – 9:15 AM	Critical Utilities Infrastructure Revitalization, Subproject 1 – Critical Electrical System Improvement Overview (10 mins) Kelsy Westendorf, CUIR Subproject 1 Manager
9:15 – 9:35 AM	Upcoming Opportunities: (20 mins) Package B – Master Substation Annex Package C – Transformer Installation Chethana Gowda, CUIR Project Management
9:35 – 9:50 AM	Q&A (15 mins)
9:50 – 10:10 AM	Understanding What It’s Like To Work at SLAC (20 mins) J.E.R. Honeycutt, CUIR Construction Management
10:10 – 10:25 AM	Recent Completed Scopes – Success Stories/Lessons Learned (15 mins) Jase Perez, CUIR Project Management
10:25 – 10:40 AM	Procurement Overview (15 mins) Quyen Weng, Procurement
10:40 – 10:55 AM	Q&A (15 mins)
10:55 AM	Adjourn

CUIR Project Organization Chart





Critical Utilities Infrastructure Revitalization (CUIR) Overview

Kelsy Westendorf, CUIR Subproject 1 Manager
7 October, 2026

About Me



Kelsy Westendorf

CUIR Subproject 1 Manager

- SLAC DCS Project Manager on CUIR since February 2024
- Oversee all CUIR Subproject 1 scopes
- Oversee procurement of all long lead equipment (including MSS Switchgear and Transformer)
- CAM for Package A Linac Power Distribution System Improvements

Critical Utilities Infrastructure Revitalization (CUIR) Overview

SLAC – What We Do

WHAT WE DO

Our mission

We explore how the universe works at the biggest, smallest and fastest scales and invent powerful tools used by scientists around the globe. Our research helps solve real-world problems and advances the interests of the nation.

From a Single-Purpose
Laboratory to
a Multiple Program
Facility
with Operation
Commitments



TODAY

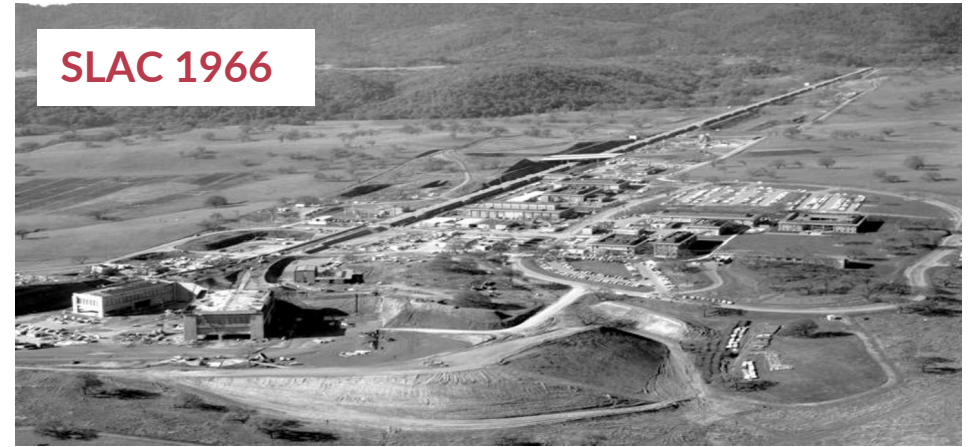
LCLS-II
FACET-II
Cryo-EM
LSST
SSRL
MEC



FUTURE

Adding:
LCLS-II-HE
CRMF
And more...

SLAC 1966

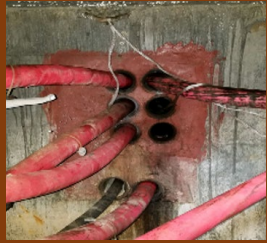


SLAC 2023



Critical Utilities Infrastructure Revitalization (CUIR)

The Critical Utilities Infrastructure Revitalization (CUIR) project provides resilient and reliable electrical, mechanical, and underground civil utility systems that support current and future science by bridging the capability gaps that exist in SLAC's critical utility systems infrastructure that support science.



Subproject 1 (SP1)
Critical Electrical System
Improvements
Planned 2023 to 2031

94% funded



Subproject 2 (SP2)
Critical Civil Utilities
Replacement and Upgrades
Planned 2025 to 2032

15% funded



Subproject 3 (SP3)
Critical Mechanical Utilities
Upgrades
Planned 2027 to 2034

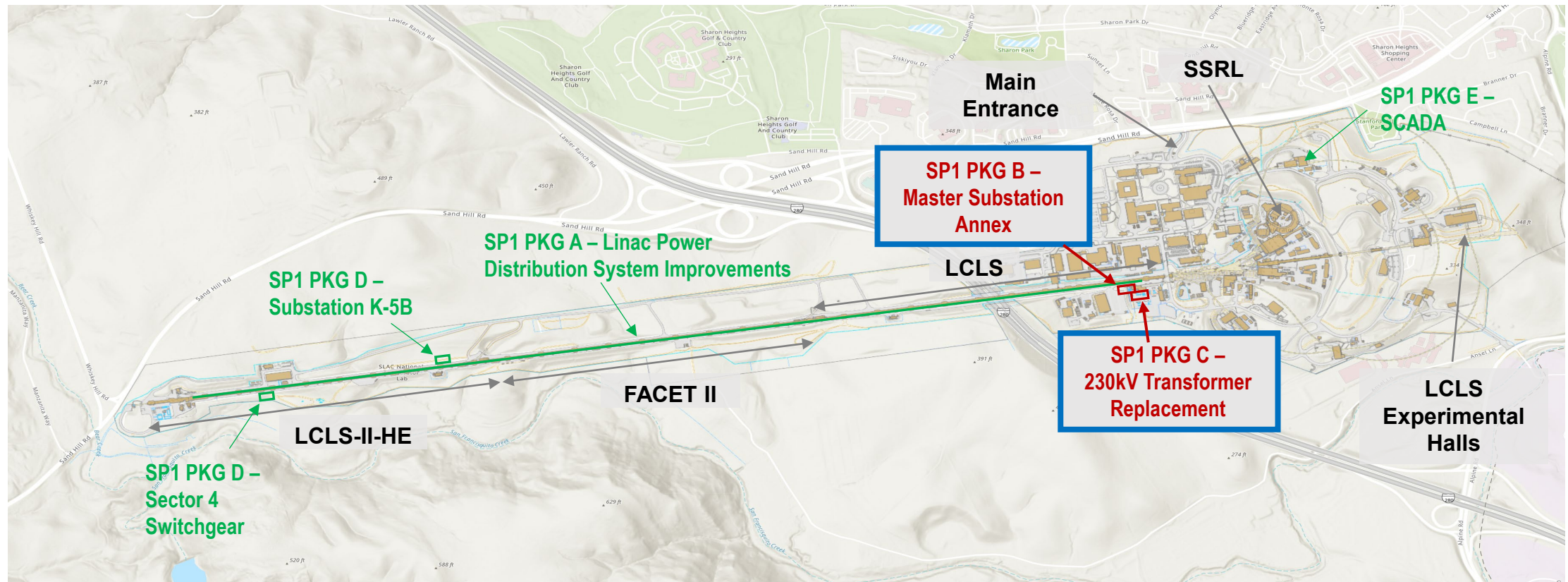
CUIR is tailored into three (3) subprojects, with minimal dependencies between each subproject

Utility improvements are grouped within a subproject to align with science needs, downtime coordination, and construction efficiency

Subproject 1 – Critical Electrical System Improvements

Subproject 1 - Critical Electrical System Improvements

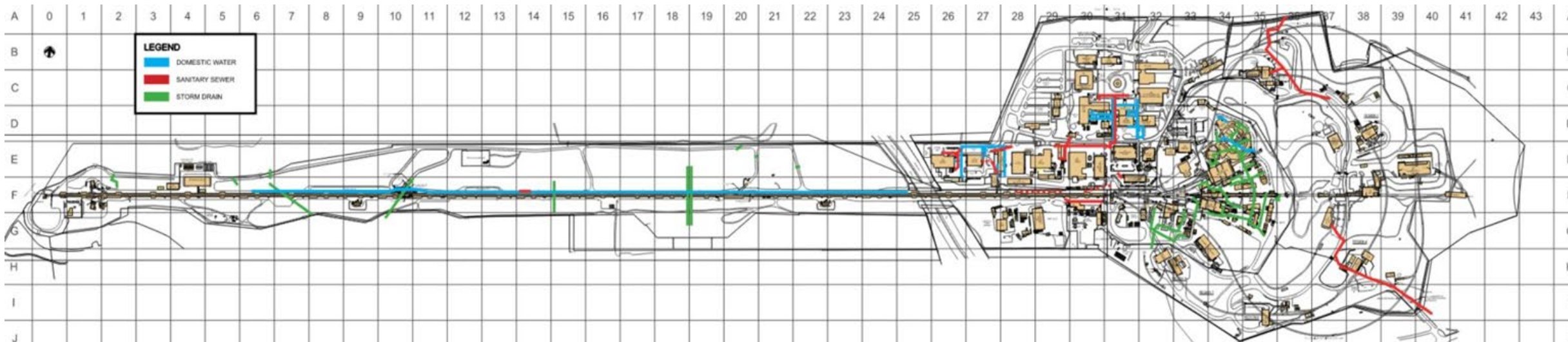
- Five construction packages (Packages A, B, C, D, and E)
- **Awarded, in construction: Packages A, D, E**
- **Upcoming design-bid-build construction procurements: Packages B, C**



Subproject 2 – Critical Civil Utilities Replacement and Upgrades

Subproject 2 - Critical Civil Utilities Replacement and Upgrades
Campus-Wide Wet Utility System Improvements
(Linac, Research Yard, North/Central/West Campus)
including:

- LINAC storm drains (SD)
- Domestic Water (DW)
- Sanitary Sewer (SS)



Values and Success Factors

Our Values

OUR VALUES

EXCELLENCE

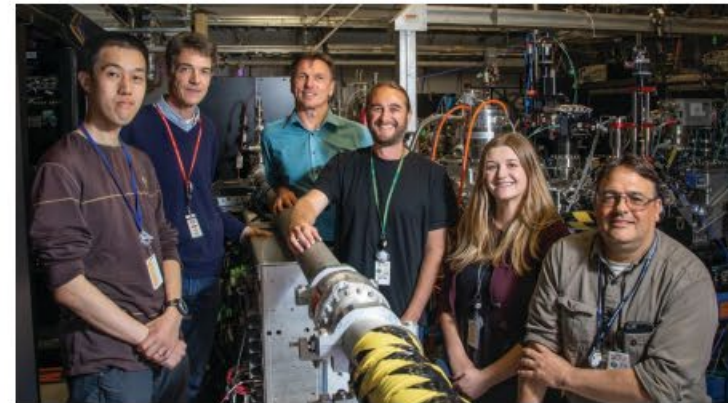
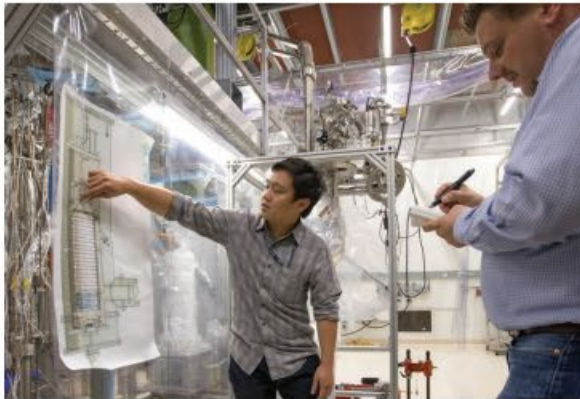
We hold ourselves to the highest standards, continually looking for ways to improve our work, advance our skills and make the best use of our experience and talent.

We achieve outstanding results without compromising safety, security or the environment.

INTEGRITY

We are accountable for our actions and for the culture of the lab.

We are honest and transparent in our conduct, communication and research practices.



COLLABORATION

We are committed to the collective success of SLAC and its user community.

We celebrate our individual strengths and talents while acknowledging that we achieve more by working with others.

RESPECT

We make everyone feel welcome and respected and encourage all to contribute.

We embrace individual differences and welcome the richness and value they bring to SLAC.

CREATIVITY

We explore radically new ideas with courage and confidence.

We bring an optimistic and entrepreneurial spirit to our work.

Success Factors

SAFETY – The project is safe to construct and operate

- Safety is the priority for all work conducted at SLAC. Only safe work is acceptable.
- Never compromise safety to meet project schedule. Safety considerations must be part of work planning and schedule development.
- Rushing through tasks to save time or lowering quality to meet schedule is not acceptable.

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COST – Achieve the project requirements at the lowest practical capital and life cycle cost

- Seek engineering solutions and construction methods to maximize long-term value to SLAC.

Success Factors

STAKEHOLDER IMPACTS – Construct the project with lowest impacts to ongoing SLAC operations and other ongoing construction projects

- Be a good neighbor and team player.

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SCHEDULE – Commission the electrical improvements in accordance with baselined schedule in the most expedient manner and in compliance with SLAC safety requirements

- Schedule should be realistic with robust contingency alternatives.
- Safety considerations must be part of work planning and schedule development.