

## Project Spotlight

The Linde + Robinson Laboratory, the newly renovated, 80-year-old former home to the astronomy department at California Institute of Technology, has received a LEED® Platinum rating. The laboratory is the nation's lowest-energy physical science laboratory, and houses a center for environmental sciences. The restoration was designed by Architectural Resources Group.

Incorporated into the redesign is the SolarTrac® System, MechoSystems' energy-saving WindowManagement® System.

During the laboratory building remodel, the firm of Loisos + Ubbelohde proposed to reactivate and automate the Robinson coelostat, the precedent for all modern telescopes today. The coelostat will be used to provide daylight into underground laboratories, supply light for a sculpture in the second-floor library, and create a large, real-time-projected image of the sun visible in the main corridor of the building. Like the coelostat, the solar shades operated by SolarTrac will track the sun and manage light within the laboratory.

### Features of the SolarTrac System:

- Tracks the sun and sky conditions incrementally.
- Automatically adjusts shades to protect against solar-heat gain, brightness, and glare.
- Provides occupants with a comfortable environment and views to the outside.

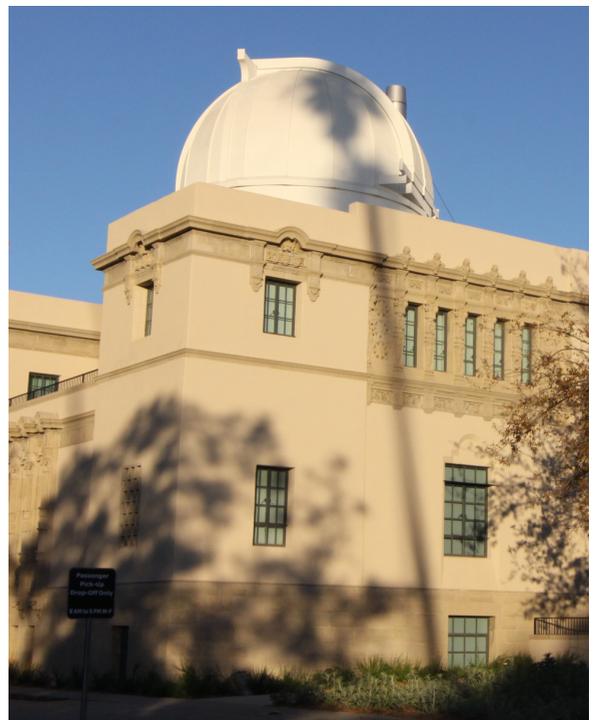
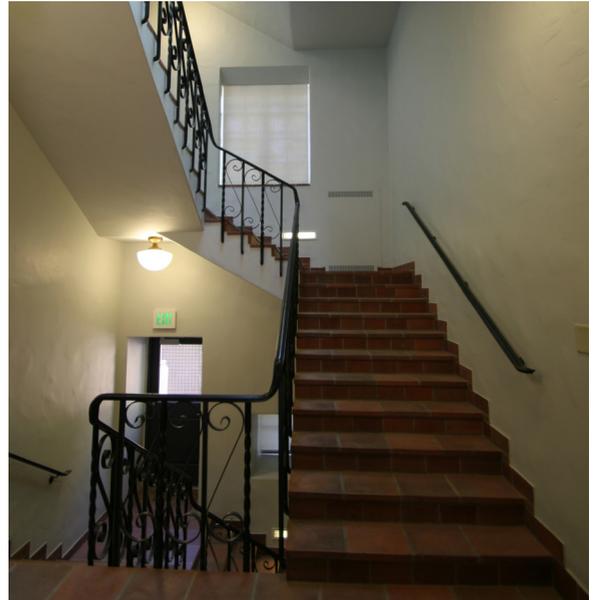
L+U's lighting-management system regulates interior light levels based on the amount of daylight SolarTrac allows to enter. Together they deliver optimum natural and artificial light and protect occupants from glare discomfort.

### MechoSystems' project specifications:

- SolarTrac Automated Shade Control System.
- 52 WhisperShade® I-Con® motors.
- EcoVeil® 0950, 1350, and 1550 shade cloths.

Interior Services, a MechoSystems dealer located in Monrovia, Calif., recently completed the installation and commissioning of the system for the Caltech project.

For more information or to submit information about your projects, tell us about them and send images to [info@mechosystems.com](mailto:info@mechosystems.com).



Linde + Robinson Laboratory, Pasadena, Calif.

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