

Princeton E-ffiliates Partnership

+ What is E-ffiliates

Princeton E-ffiliates Partnership (E-ffiliates) is a Princeton University membership program that positions organizations to engage in close collaborations with academic experts, Princeton students, and other partners from diverse sectors. E-ffiliates delivers unique value through tailored research projects, exclusive meetings, and high-impact conferences. The program is administered by the Andlinger Center for Energy and the Environment. Organizations can join at one of **three levels**:

- Affiliate membership plugs you into our events and information
- General membership includes sponsored research and a voice in program priorities
- Charter membership allows for closer and deeper collaboration with Princeton and a menu of special benefits



+ Why E-ffiliates

Participation in E-ffiliates lowers the barriers for collaboration between corporate and non-profit members and the Princeton research community, helping identify the most pressing energy and environment problems in order to develop and scale solutions. A successful energy systems transition in the face of climate change calls for a response of unprecedented speed and scope and a dismantling of historic silos. Truly multidisciplinary research can guide technology, policy, business, and beyond, but it must be informed by realities on the ground. E-ffiliates responds to this need by facilitating collaborative research, information exchange, and partnerships between stakeholders across the energy value chain, matching members with strategic opportunities.

visit: acee.princeton.edu/e-ffiliates

contact us

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+ Value

- Navigation across university-wide opportunities and connections to faculty across campus
- Close interaction with other decision-makers across value chain
- Sharing pre-competitive challenges between companies and input into focus areas of center
- Early awareness of center opportunities, including project partnerships and cost sharing
- Priority status at center events
- Leveraging joint industry/university/government research funds to reduce risk in strategic areas
- Facilitated student recruiting
- Practical, fundamental approach to solutions for complex global issues
- Market insight, risk reduction, and new business opportunities

+ Reach

MEMBERS: Connect with E-ffiliates from diverse industrial sectors.

EVENTS: Engage at the Annual Meeting, E-ffiliates Retreat, and quarterly Tech Talks.

RESEARCH: Collaborate between members and Princeton's world class labs/research groups.

IMPACT: Access the Net-Zero America project and Andlinger Center Annual Reports.

EXCELLENCE:

Energy systems analysis at regional and national scales for investment and policy decisions

Energy storage technologies for transportation and grid-scale applications

Climate science and risk analysis to inform engineering and investment choices

Biological routes to fuels and chemicals emphasizing carbon utilization and renewable feedstocks

Techno-economic analysis of externalities of energy infrastructure conversion including employment, health, and pollution

Urban environmental sensing for air quality monitoring, pollutant source tracking, and urban planning

Cement materials science for next-generation cement materials, processing, and carbon capture

Soft matter physics for new materials to manage energy flows in devices and manufacturing

Water/energy nexus with a focus on energy-efficient treatment and resource recovery

Subsurface biogeochemistry for applications in environmental remediation and engineering

Power electronics to enable high-efficiency power conversions and complex grid-edge applications

Building science and architectural approaches to advanced building materials and energy systems

Low-temperature plasma science for electrified manufacturing and recycling

Deloitte. **Worley**
energy | chemicals | resources



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