

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

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