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.

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

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

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.