

Center for Grid-Connected Advanced Power Electronic Systems

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The mission of this Center for Grid-Connected Advanced Power Electronic Systems is to accelerate the adoption and insertion of power electronics into the electric grid in order to improve system stability, flexibility, robustness, and economy. The members of the center expect to accomplish that mission by focusing on the following main objectives:

- Develop new technologies for advanced power electronic systems in the areas supporting grid connected distributed energy resources, power steering and routing devices, and intelligent load-side devices.
- Develop the software and tools for controlling embedded- and grid-connected power electronics to benefit the grid as well as controlled loads.
- Educate engineers who understand the power electronic technologies important to the member companies.