

## Superconducting Generator

### Objective

To develop a superconducting generator with a stationary cryostat.

### Technology Importance

- Great reduction in size dimensions from that of conventional generators.
- Increased efficiency.
- Simpler structure for generator involving fewer moving parts.



*Researchers John Hsu (left) and Mike Jenkins view the prototype of a superconducting generator with a stationary cryostat.*

### Applications

- The replacement of large motors and generators where size and efficiency are important considerations.
- The future more-electric navy is considering using superconducting generator technology to increase efficiency of their propulsion systems.

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