



# Sustainable Technology Evaluation and Demonstration (STED) Program

## Energy Efficient Building Access Controls Demonstration



### Technology Description

Energy efficient building access control systems including card readers and door lock mechanisms that reduce building energy consumption.

### Potential Impact

- Reduce energy consumption – consume power only when in use.
- Internet protocol (IP)-enable Wi-Fi card readers do not have expensive and intrusive installation requirements of conventional wired systems.
- HSPD-12- and FIPS-compliant, designed to meet building requirements.

### Benefits

- Energy and cost savings.
- Meets operation and durability performance requirements and integrates with existing access control/security system.
- Sustainably manufactured using renewable energy at domestic facilities.

### Demonstration Status: Planning

- Identifying demonstration sites.
- Identifying site specific requirements.
- Evaluating sustainable technology candidates.

### For additional information please contact:

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- Department of Defense (DoD) Sustainable Products Center (SPC):  
<https://www.denix.osd.mil/spc/index.html>



**Energy Efficient Card Reader and Mortise Lock**