device. Each of the one or more energy harvesting systems is configured to generate electricity and to provide the generated electricity to the energy storage device.

In a further embodiment, the electronic latch device may further comprise an element for securing the door in a closed position. Also, the one or more energy harvesting systems may generate electricity based upon cabin vibrations, based upon motion supplied to a piezoelectric device, or based upon motion supplied to an electromechanical device. Alternatively, the one or more energy harvesting systems may generate electricity using a photovoltaic device and/or using a thermoelectric device.

In a still further embodiment, one of the one or more energy harvesting systems may be incorporated into the latch button and be configured to generate electricity using a piezoelectric device and/or an electromechanical device.

The energy storage devices may be either a capacitor or a battery. Further, a low-energy bi-stable display may be mounted on a surface of the latch button which provides an indication of a latching status of the door.

In another aspect, an electronic latching system for a stowage bin is disclosed. The system includes a first energy storage device, an electronic latch device, a latch system, and one or more first energy harvesting systems. The electronic latch device is for opening a door of the stowage bin and is configured to open the door upon receipt of a signal on an input. The electronic latch device is coupled to the first energy storage device and is configured to receive electrical power from the first energy storage device. The latch system includes a latch button for activating an electronic switch and is coupled to the input of the electronic latch device. The one or more first energy harvesting systems are coupled to the energy storage device. Each of the one or more first energy harvesting systems is configured to generate electricity and to provide the generated electricity to the energy storage device. Each of the one or more first energy harvesting systems is incorporated into the latch button and is configured to generate electricity based upon piezoelectric and/or an electromechanical action.

In a further embodiment, the system includes a second energy storage device and one or more second energy harvesting systems which are coupled to the second energy storage device. Each of the one or more second energy harvesting systems is configured