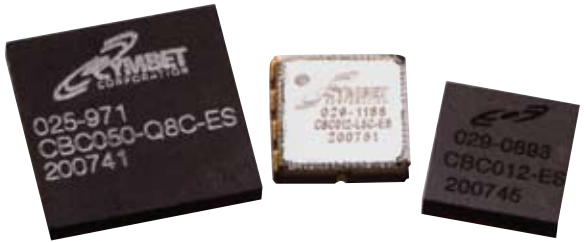
CYMBET™
CORPORATION



www.cymbet.com

Cymbet's EnerChip solid-state thin-film batteries provide significant advantages over legacy lithium coin cell and supercapacitor technologies. EnerChips use semiconductor packaging that is surface mounted and reflow soldered with the rest of the devices on the board. The new EnerChip CC is the world's first intelligent thin-film battery with integrated battery management in a single package. Designers are using the EnerChip CC for power bridging, secondary holdover, and as a localized power source.

The recently released EnerChip EH module couples energy harvesting circuitry with two EnerChips to provide power created from solar, motion, vibration, thermal, or RF induction energy transducers. The EnerChip EH is especially useful in wireless sensor applications. Designers can evaluate the EnerChip EH as part of the Texas Instruments eZ430-RF2500 solar energy harvesting wireless demo kit. All the EnerChip products are described in detail at www.cymbet.com. **– Cymbet Corporation**

A very different battery

Onboard battery power can be a headache – or worse. In addition to disposal problems, conventional batteries can leak or even explode. SNAPHAT packages are relatively bulky and a hassle to replace. Super caps lose storage life because of leakage currents.

Cymbet's EnerChip batteries, however, are made of a thin-film nanotech material, not a chemical paste, so there's nothing to leak. These batteries come in surface-mount packages, solder to a board just like a regular IC, and can recharge via any number of harvesting techniques. They're a good match for ultra-low-power MCUs.

Model: EnerChip
Published in: *Industrial Embedded Systems* Resource Guide 2008

INDUSTRIAL EMBEDDED SYSTEMS Editor's Choice

RSC# 36922