NaMx

# Durathon™ Battery Systems

## GE Energy Storage

## Telecom Applications
## March 2011

GE Transportation
Energy Storage

GE Proprietary Information.

# GE … 17 independent businesses aligned into 4 growth segments

**Energy Infrastructure**



- Energy
- Oil & Gas
- Water

**Technology Infrastructure**



- Aviation
- Enterprise Sol
- Healthcare
- **Transportation**

**Capital**



- Financial Services
- Commercial Fin
- Energy Financial Svc
- GE Money
- Treasury

**NBC Universal**




- Cable
- Film
- International
- Network
- Sports & Olympics

## GE Transportation

### Locomotive & related businesses



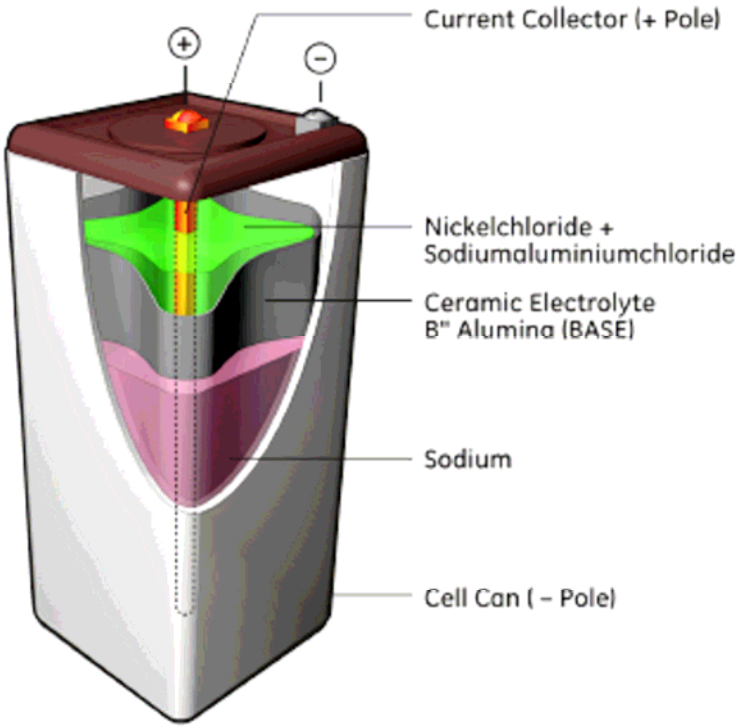


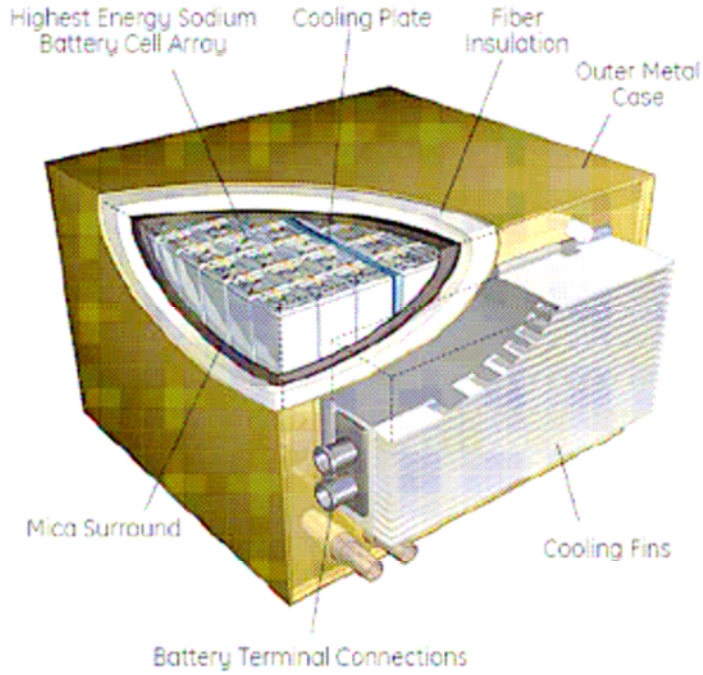
### Locomotive - Adjacent businesses





# Durathon™ … Battery Construction




## High performance cells are packaged into application specific modules

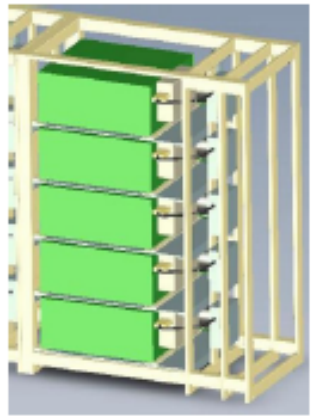
# Durathon™ ... System Design



19" rack/OEM BTS



23" rack/cabinets



Custom Solutions

Application specific modules are engineered into energy storage solutions complete with integrated battery management and monitoring.

# Durathon™ ... Advantages



Suitable for Extreme Temperatures

Performance unaffected by external temperatures (-40C to +65C)



Minimal Maintenance

No maintenance needed

Remote Monitoring



Long Life

Cycle life > 2500* cycles

Float life > 15 years

Indefinite shelf life

* Cycle life estimated



>99 % recyclable

No toxic or hazardous materials



Designed for High Reliability

BMS prevents overcharge

Cells in a string fail short



High Energy Density



Small Footprint

Energy density (150-200Wh/L)

½ Volume & ½ Weight Vs Lead acid




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