



SPIERS
NEW
TECHNOLOGIES

COMPANY OVERVIEW

Energy Storage | Battery 4R | Logistics

North America | Europe

Total Life Cycle Management of Advanced Battery Packs

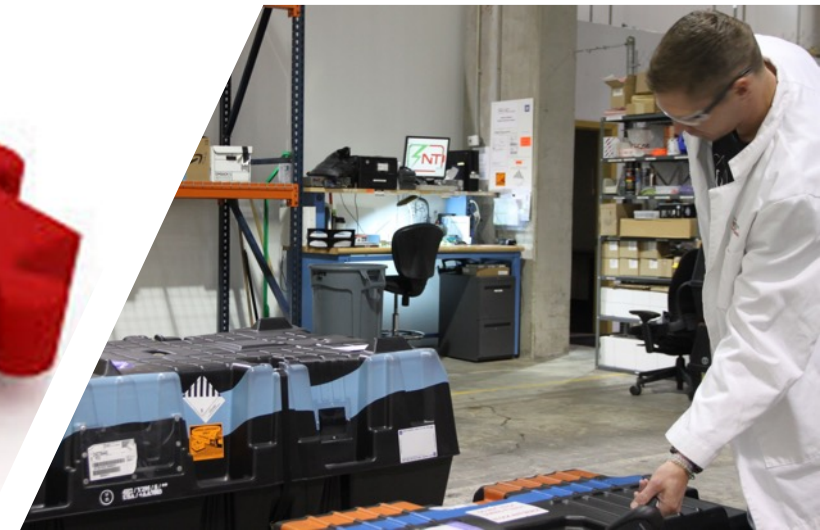
Mission:

Extend Economic Life of
Battery Packs by
Offering a Closed Loop
System



Fully Integrated Process: One Stop Solution

- Dealer Support & Call Center
- Reverse Logistics & Core Recovery
- Forward Logistics (same day shipping)
- Remanufacturing and Refurbishing
- Root Cause Analysis
- Engineering Projects
- Dunnage Management & Packaging
- Storage and Distribution
- Repurposing / Second Life
- Pre Cycling -.....Recycling



SNT #1 Remanufacturing

- 24 Reman Part Numbers
- 12 Further Part numbers in progress Q2
- 7 OEM's

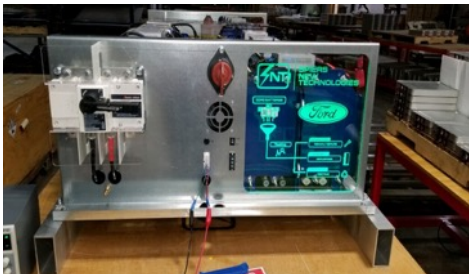
Never replace a faulty pack with a new pack





SNT #1 Second Life

- Graded Packs, Sections and Modules
- Sub Systems (sensors, bus bars, BMS): 1MW Solar, CA
- Engineering Projects
- Watt Tower



WattTower
by  SPIERS
NEW TECHNOLOGIES



Ever Expanding List



XLhybrids

EATON

OG+E



FCA
FIAT CHRYSLER AUTOMOBILES

A123
SYSTEMS



NUVATION
ENERGY



greenlots
A Member of the Shell Group

Volkswagen



umicore



International Footprint

- SNT North America
- SNT Europe
- SNT West Coast (2020)
- SNT China (2021)



USA:

- 200,000 sq ft
- 20 Acres for New Build Expansion
- Middle of the USA

Europe:

- Centrally Located
- 30,000 sq ft



ALFRED

Battery Management Tracker

- 24 Hour Secure OEM Access (Warranty, Engineering, Customer Care, Logistics)
- OEM Adaptive Reports and Forecasting Models
- Data Mining
- Quality Records – Full Audit Trail
- Ticketing Communication System
- Ordering and Processing
- Automated Refurb Battery Capacity Matching
- Capturing of usable data for root cause analysis of aged modules
- Inventory Management
- Content structured based on OEM's needs



By the Numbers

- Two Continents: Europe, North America
- Graded over 22,000 Battery Packs
- 4 TB of Data
- Handling over 2000 Battery Packs per Month
- #1 in Reman
- #1 in Second Life
- # 1 in Shipping

Economies of Knowledge
Economies of Scale





Drive Electric

- Know What You Are Talking About
- Eat Your Own Dogfood
- Support our Industry
- Set an Example



**SPIERS
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www.spiersnewtechnologies.com

THANK YOU

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