



SPIERS
NEW
TECHNOLOGIES

COMPANY OVERVIEW

Energy Storage | Battery 4R | Logistics

North America | Europe



SPIERS
NEW
TECHNOLOGIES

F R O S T & S U L L I V A N

2018 **BEST
PRACTICES
AWARD**

**NORTH AMERICAN
EV/PHEV BATTERY 4R SERVICES
MARKET LEADERSHIP AWARD**

2018 Best Practices Award Winner



SPIERS
NEW
TECHNOLOGIES

Total Life Cycle Management of Advanced Battery Packs

Mission:

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



Fully Integrated Process

- 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



Second Life: Watt Tower



WattTower
by  **SPIERS
NEW
TECHNOLOGIES**



Ever Expanding List





International Footprint

- SNT North America
- SNT Europe
- SNT West Coast (2019)
- SNT China (2020)



USA Expansion:

- Four Buildings: 150,000 sq ft
- Phase 1 Add 160,000 sq ft. Q2 2019
- Phase 2 Build Campus + 200,000 sq ft Q3'19-2020
- All centrally located
- West Coast Operation Q4 2019

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 14,000 Battery Packs
- 4 TB of Data
- Handling over 2000 Battery Packs per Month

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
NEW
TECHNOLOGIES**

www.spiersnewtechnologies.com

THANK YOU

Dirk Spiers, CEO

[SNT North America](#)

50 NE 42nd Street
Oklahoma City, Oklahoma 73105

[SNT Europe](#)

Celsiusstraat 44
6716 BZ EDE, The Netherlands