

Strengthening the Smart Energy Business

 NEC acquires the energy storage system business of A123 Systems from Wanxiang -

March 24, 2014
NEC Corporation
Hideki Niwaya,
Vice President

1. Today's Announcement

- NEC acquires the Energy Storage business of A123 Systems, LLC, A123 Energy Solutions, for USD \$100 million
 - A123 Energy Solutions provides energy storage systems to the electric utility, power generation, and industrial battery markets
 - Leading lithium-ion supplier for grid energy storage, with over 110MW of its Grid Storage Solutions (GSS™) deployed globally to some of the most prominent utilities and power producers in the world
 - Full energy storage solution capabilities from applications analysis, products, service and support, to solve customer challenges
 - Standardized, mass-produced, safe and reliable energy storage systems with a proven track record

New Co.:
Location:
Westborough, MA, USA
Est.:
June 2014 (scheduled)
JPY10 billion
(approx. US\$100 mil.)

"NEC Energy Solutions" slated to begin operation in June 2014

- Drive the expansion of the energy storage system business by combining A123 Energy Solutions' expertise in energy storage solutions with NEC's battery technologies and international channels
- Integration with NEC's leading ICT to create a new smart energy service business

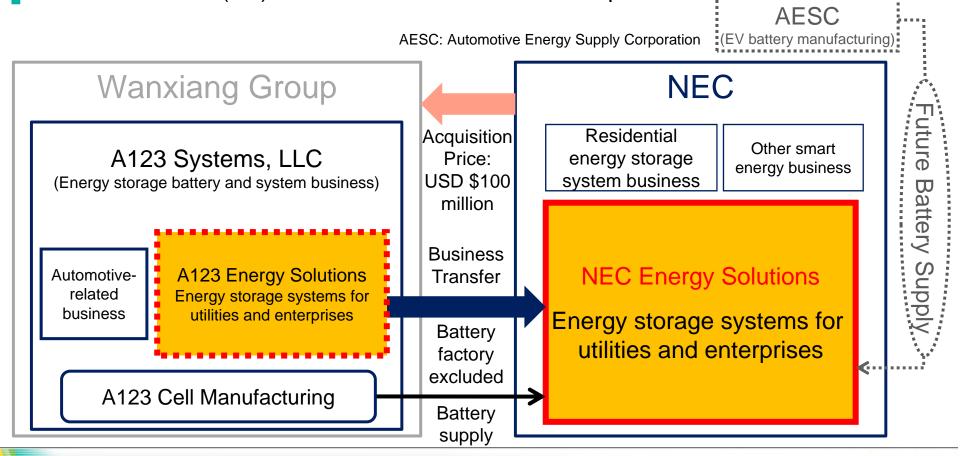
Full-scale entry into the global energy storage system business and securing a world-class position in providing energy storage systems for utilities, power generation, and industrial battery markets

Empowered by Innovation

Acquisition Scope

- Acquisition of A123 Energy Solutions, a leading provider of energy storage systems for electric grid, power generation, and industrial applications
- Battery factories excluded from the acquisition. Batteries to be supplied by Wanxiang

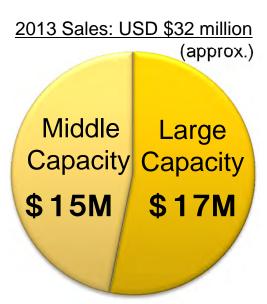
Electric Vehicle (EV) business excluded from the acquisition



A123 Energy Solutions Overview

- World-class experience providing advanced energy storage systems
- Global customer base including leading utility, power generation, and industrial companies in N. America and Europe

Department	A123 Energy Solutions (A123 Systems' Non-Automotive System Integration Business)
Date Established	2006 (original establishment of Systems Integration group within A123 Systems, formerly known as "Pack and Systems")
Locations	Headquarters: Westborough, Massachusetts Software Development: Chesterfield, Missouri Supply Chain: Suzhou, China
Business Content	Electric utilities and power generation companies Custom battery solutions for industrial applications (Backup power/UPS for datacenters, telecommunications infrastructure, etc.)
Customers	Power companies, data center operators, telecom operators, other corporate (e.g. AES Corporation, Maui Electric Company, Southern California Edison, Red Electrica de Espana, Northern Powergrid, EMC Corporation)
Employees	About 130
Competitors	Storage system providers, battery manufacturers, other heavy electrical system integrators



A123 Energy Solutions: Business domain

Providing solutions for both utilities and enterprises

Utility Solutions

再生エネルギー 周波数調整 天候の変動による 系統網の細かい 不安定性を解決 周波数ブレを吸収

Enterprise Solutions



Strength 1
World-class system deployment record

Strength 2
Solution proposals and expertise

Strength 3
Superior energy storage
system technologies

A123 Strengths (1): World-class system deployment record

Deployed over 110MW in solutions to markets worldwide, including North America, Hawaii, Chile, Europe, China and Japan



A123 Strengths (2), (3):

Expertise and energy storage system technologies

- Advanced business processes based on an extensive deployment record
- High-density mounting and scalability / a wide variety of applications



Global Strategy

Taking full advantage of acquired assets from the new company based in the US (technologies, energy expertise, customer base)

Expanding NEC's business in Japan, Europe and APAC in collaboration with the

new company

China

- Establish a joint venture with Wanxiang
- Promote large-scale energy storage systems in China

Europe

- Expand grid storage business for renewable energy integration and frequency regulation
- Deploy to existing customers
- Focus on high value opportunities for storage throughout the EU

Japan

- Expand energy storage business for utilities and enterprises, including projects on islands
- Use of AESC cells for grid energy storage (cost reduction)

Products, Technology, Proposals, Expertise Customer Base. Regional Expertise

APAC

- Introduce renewable energy and expand sales in Australia.
- Deploy enterprise businesses targeting the telecom base station market in India and other emerging markets

Development/ New

Company

(NEC/A123)

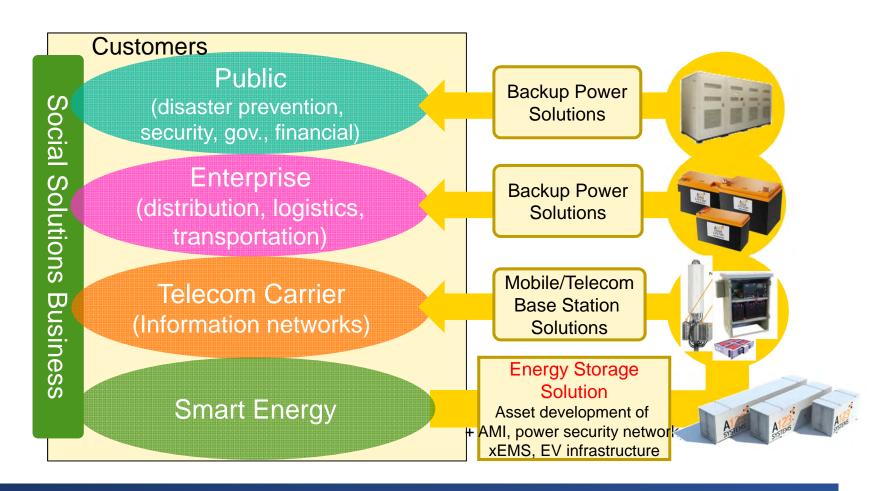
NEC Energy Solutions

Products, Technology, Proposals, Expertise

Customer Base Regional Expertise

Empowered by Innovation

Social Solutions Business Synergies



Combining world-class energy storage and ICT to improve social infrastructure on a global scale

Empowered by Innovation

