



Saft Factory of the Future

Principal Investigator - Peter Denoncourt

Presentors - Karen Conner

Saft America Inc.

June 11, 2011

Project ID: ARRAVT007

This presentation does not contain any proprietary, confidential, or otherwise restricted information.

Saft Factory of the Future

Overview

Timeline

Project Start Date: 12/10/2009

Project End Date: 5/30/2013

Project 36% complete

Barriers

Competitive Market Place

Development of Markets for
Renewable Energy

Budget

Total Project = \$191,047,318

DOE/ARRA Share = \$95,504,255

Contractor Share = \$95,543,063

Partners

ARRA/DOE/NETL

State of Florida (EFI)

City of Jacksonville (JEDC)

Saft Factory of the Future

■ Project Objectives:

- Construct and operate a 235,000 sq ft battery factory capable of manufacturing high quantities of Li-ION cells, modules, and batteries at a competitive cost to support the industrial energy, electric drive, military hybrid vehicle and other defense and aerospace markets.
- Employment of hundreds of people in well paid jobs in the Jacksonville, Florida area.
- Diverse marketing focus as we continue to assess and adapt to the commercial needs for renewable power sources.



Soft Factory of the Future

Milestones

Site Selection

NEPA

Building and Equipment Designed

Site Preparation, Construction and Equipment
Procurement

Equipment Installation and Test of three production
lines.

Production Line Qualification

Deliverables

Saft Factory of the Future

Accomplishments to Date

Site selected.

NEPA completed with FONSI

235,000 Sq Ft LEED Silver Building has been completed -
construction of factory employed 300 workers.

Production Line 1 of highly automated equipment has been
designed, procured, installed and is in the process of
qualification

60 full time Jobs have been created

Soft chose our site in an area of high unemployment –
Jacksonville Florida - on land that was part of a Base
Realignment and Closure (BRAC) several years ago.



Site Prep began with drainage of the land and moving 75k tons of fill dirt from construction of drainage ponds.



Additionally 25k tons of dirt had to be brought in to achieve the needed floor elevation.



Groundbreaking March 2010



Construction progress

14 April 2101



24 May 2010



Construction progress

10 Jun 2010



16 Jun 2010



Construction progress

19 Jul 2010

19 Aug 2010



727.520.8181
www.aerophoto.com

Saft Batteries Plant

Image # 100719 2215
Date 07.19.10



727.520.8181
www.aerophoto.com

Saft Batteries Plant

Image # 100819 2316
Date 08.19.10

Construction progress

20 Sep 2010

18 Oct 2010



Aero
Photo

727.520.8181
www.aerophoto.com

Saft Batteries Plant

Image # 1009202283
Date 09.20.10

Construction Progress



Front entrance – office area



Interior of clean/dry room #1

Building



Installation of coating machines

Coating machine components have arrived and are being installed in the dry rooms.

Saft Factory of the Future



727.520.8181
www.aerophoto.com

Saft Batteries Plant

Image # 110221 2353
Date 02.21.11

Saft Factory of the Future

Future Near Term Milestones

- Complete installation of 1st production line
2nd quarter 2011
- Complete qualification of first production line
2nd quarter 2011
- First deliverables to Customers
3rd quarter 2011
- Complete installation of 2nd production line
2nd quarter 2012

Saft Factory of the Future

Summary

At the end of this project a 235,000 sq ft highly automated, LEED Silver, Factory of the Future will stand on land laying idle due to a BRAC.

The factory will have the capacity to delivery 2.3 million cells or the equivalent of 370 MWh of energy annually

279 jobs directly related to the production of Li-ION batteries will be created and several hundred of jobs to support the needs of US production facility.

Saft Factory of the Future

