Saft Factory of the Future

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Saft America Inc.
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Project ID: ARRAVT007

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Saft Factory of the Future

Overview

Timeline

Project Start Date: 12/10/2009

Project End Date: 12/30/2013

Project 60% 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.

Saft 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

Previous Accomplishments

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

Current Accomplishments

Batteries and Containerized Energy Storage systems have been manufactured and delivered to customers both domestic and international

Production Line 1 continuing qualification

Production Line 2 of highly automated equipment has been designed and equipment procured.

LEED Silver Certification received

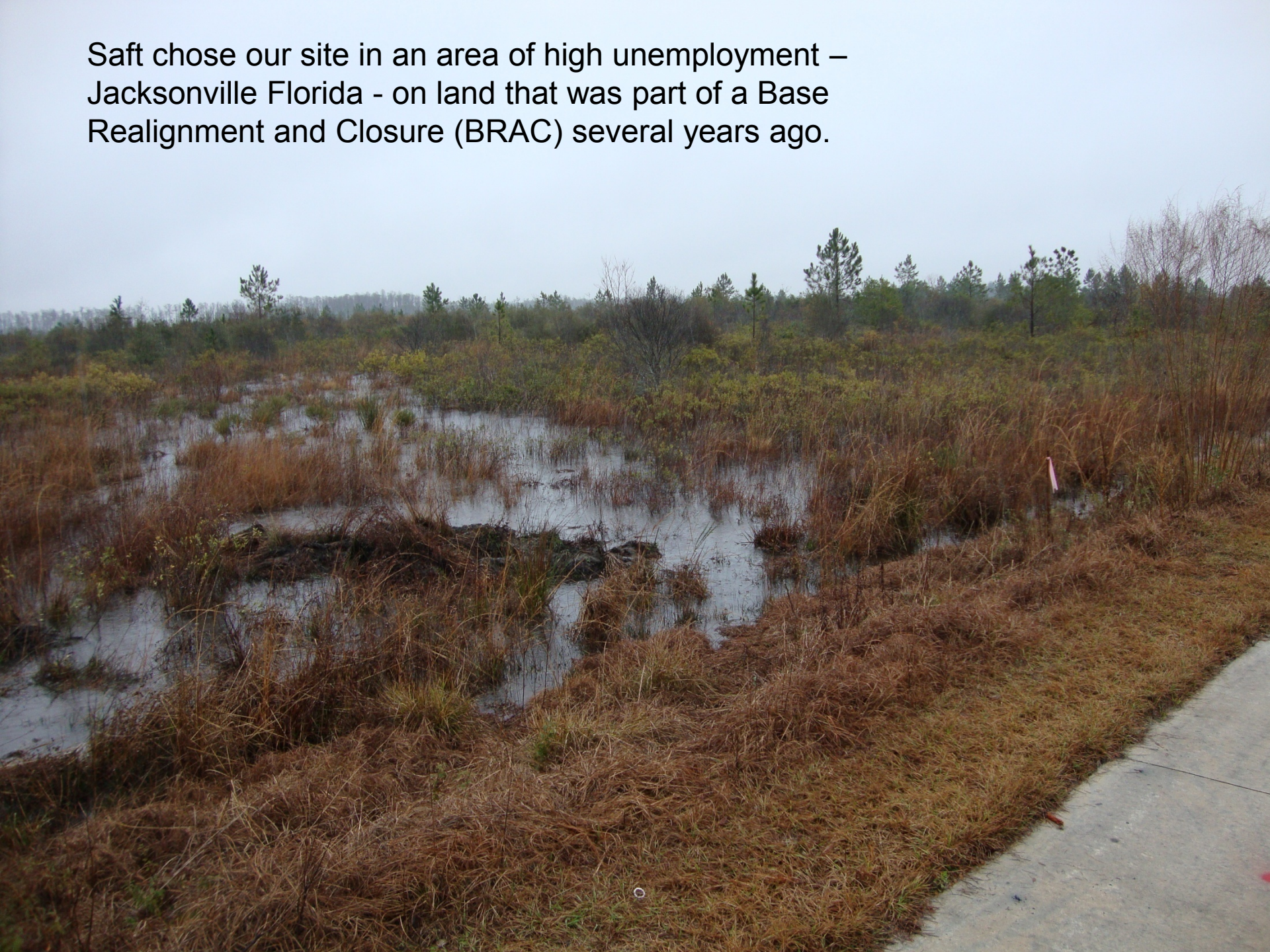
130 full time Jobs have been created

Saft Factory of the Future

HASKELL
America's Design-Build Leader®

LITHIUM-ION
BATTERY MANUFACTURING PLANT
JACKSONVILLE, FLORIDA
RENDERING

Saft 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.



Groundbreaking March 2010

Construction progress

10 Jun 2010

16 Jun 2010

Construction Progress

Front entrance – office area

Interior of clean/dry room #1

Saft Factory of the Future

Aero Photo
727.520.8181
www.aerophoto.com

Saft Batteries Plant

Image # 110221 2353
Date 02.21.11

Building Completed March 2011

Aerial View of Photovoltaic System – 1.02 MW

Coating and Rewind

Calendaring Operation

Drying Ovens

Cell Assembly Line

Cell Assembly Line

Filling Operation

Cell Storage

Shipment of Saft's First Containerized System – Intensium Max

Saft Factory of the Future

Future Near Term Milestones

Complete qualification of first production line

2nd quarter 2012

Complete installation of 2nd production line

3nd quarter 2012

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.