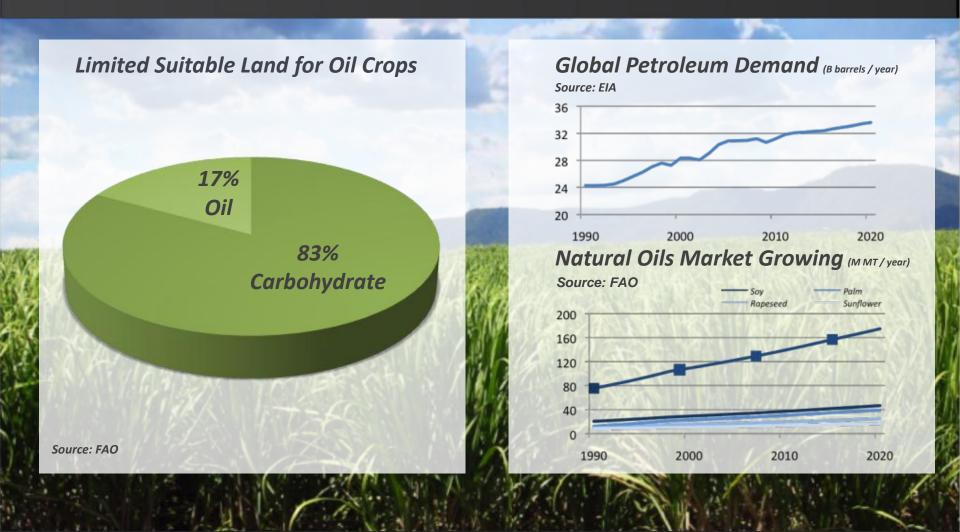
SOLAZYME INTEGRATED BIOREFINERY PROJECT

PRESENTATION TO BIOMASS TECHNICAL ADVISORY COMMITTEE

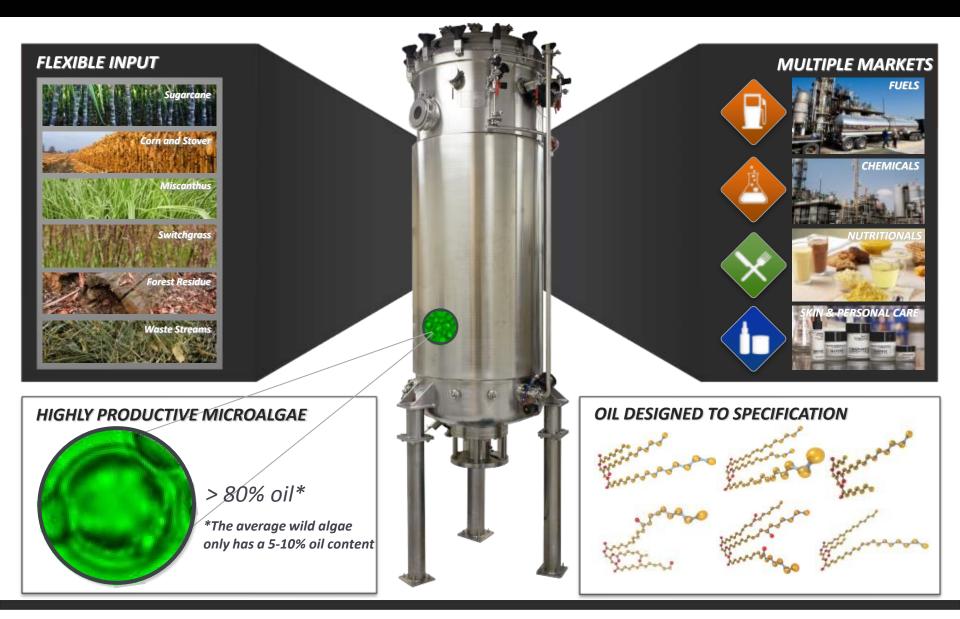
NOVEMBER 15, 2012

- Solazyme Technology Overview
- Solazyme IBR Project Overview
- Project Funding
- Project Scope and Schedule
- Project Performance and Status

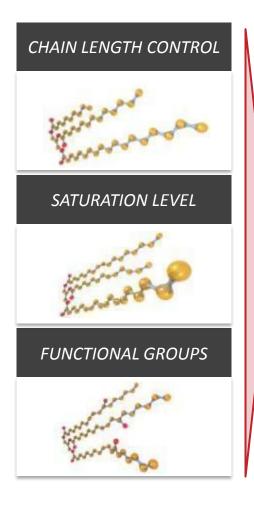
WE MAKE OIL

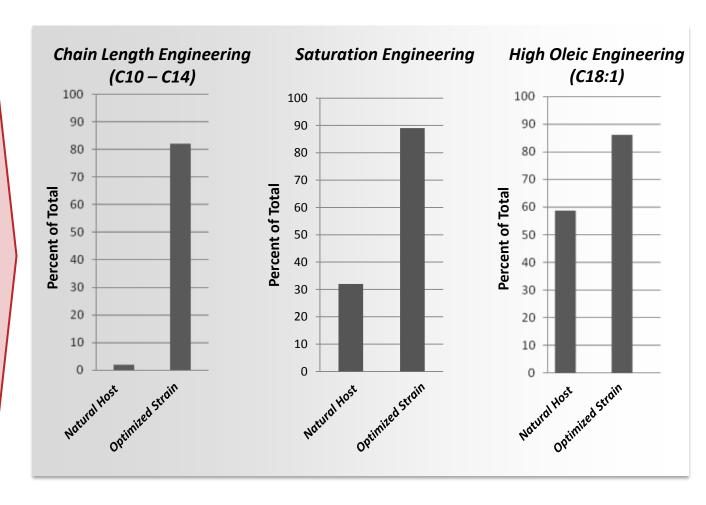


SOLAZYME BACKGROUND



OIL TAILORING PLATFORM





COMPREHENSIVE FUELS STRATEGY

LAND







SEA









AIR









RETAIL FUEL AGREEMENT

Solazyme & Propel bring Soladiesel® BD to consumers in pilot program



- Soladiesel_{BD} meets or exceeds ASTM quality specifications
- Soladiesel_{BD} significantly outperforms ultra-low sulfur diesel in total hydrocarbons (THC), carbon monoxide (CO) and particulate matter tailpipe emissions

In four markets across the Bay Area, drivers can now choose Propel B20 biodiesel made from Solazyme's 100% algae-derived Soladiesel®_{BD}

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SOLAZYME IBR PROJECT BASICS

PROJECT TITLE	Solazyme Integrated Biorefinery (SzIBR); Diesel Fuels from Heterotrophic Algae
PROJECT DESCRIPTION	Solazyme will build, operate and optimize a pilot-scale "Solazyme Integrated Biorefinery." SzIBR will demonstrate integrated scale-up of Solazyme's novel heterotrophic algal oil biomanufacturing process, validate the projected commercial-scale economics of producing multiple advanced biofuels, and enable Solazyme to collect the data necessary to complete design of the first commercial-scale facility.
PROJECT AWARD DATE	January 28, 2010
PROJECT TYPE	Cooperative Agreement
TOTAL GOV'T SHARE	\$21,765,738

This project is housed at a Solazyme-owned facility which supports multiple Solazyme activities. The facility was not purchased with DOE funds.

SOLAZYME IBR PROJECT OBJECTIVES



Expeditiously commence construction and operations



Integrate all process unit operations into a pilotscale biorefinery



Validate feasibility of low cost production at commercial scale



Demonstrate refining of algal oil into fullycompliant liquid transportation fuels



Accelerate development of high-impact lignocellulosic feedstocks



Successfully complete the project on schedule

PROJECT SIGNIFICANCE

First of its kind algae biorefinery producing tailored oils that can be refined into drop-in fuels

- Fully integrated unit operations- an indispensable step in reaching commercial scale
- Scaled feasibility of producing renewable drop-in replacements for petroleum
- National security benefits- SzIBR is capable of making hundreds of thousands of gallons for use in military platforms
- Critical link to convert cellulosic feedstocks to oil
 - Creating path to cellulose-derived oils and fuels from wood pulp waste & other feedstocks







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PROJECT FUNDING

DOE cost capped at \$21,765,738. Remaining project execution costs are paid by Solazyme.

DOE Cost Share

\$21,765,738 (71.5%)

Solazyme Cost Share

+ \$ 8,688,313 (28.5%)

Total Project Forecast

= \$30,434,051

Project expenses include:

- IBR equipment
- IBR construction
- Staff labor and travel

- Fermentation feedstock
 - Sucrose and cellulosic sugar
- Algal oil manufacturing
- Algal oil refining to fuel

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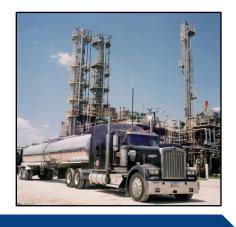
PROJECT SCOPE AND SCHEDULE



IBR Construction & Commissioning 4Q2011 – 3Q2012



Algal Oil Manufacturing 4Q2012 – 3Q2013



Fuel Production 4Q2013 – 1Q2014

- All equipment installed and operated in integrated process
- 58 jobs created (2Q2012)
- First crude algal oil production June 2012

- Domestically sourced sugar cane and cellulosic feedstocks
- Algal oil production underway

 Refining partner to convert oils to drop-in transportation fuel

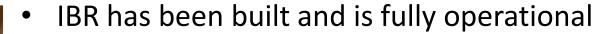
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PROJECT PERFORMANCE

Solazyme has met all project objectives to date, and is on track for on time project completion 1Q2014.

Project Objective	Status	Scheduled Completion Date
Expeditiously commence construction and operations	✓	
Integrate all process unit operations into a pilot-scale unified biorefinery	✓	
Validate feasibility of low cost production at commercial scale	Ongoing	
Demonstrate refining of algal oil into fully-compliant liquid transportation fuels		3Q2013
Accelerate development of high-impact lignocellulosic feedstocks	Ongoing	
Successfully complete the project on schedule		1Q2014

IBR PROJECT STATUS (NOVEMBER 15, 2012)



DOE manufacturing runs in progress

