



Biomass R&D
Technical Advisory Committee:
Drop-in Fuels Panel

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The forward-looking statements included in the presentation may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These statements address the financial condition, results of operations, business and initiatives of the company in 2008 and beyond and are subject to certain risks and uncertainties that could cause actual results to differ materially from such forward-looking statements.

The Company undertakes no obligation to update or revise any forward-looking statements to reflect events or circumstances that may arise after the date of this presentation. Nothing said today is, or should be relied on as, a promise or representation as to the future performance of the Company.

This presentation should not be construed as a general solicitation.

Company and Products

Amyris Today

Chicago, Illinois

- U.S. fuels distribution business
- 13 terminals in Southeast U.S.

Europe

- Artemisinin partnership with sanofi-aventis
- R&D collaboration with Total

Emeryville, California

- headquarters
- 200+ people
- labs, pilot plant



Alabama

- sugar cane nursery for jet fuel

Campinas, Brazil

- labs, pilot plant, demo plant
- 80+ people
- commercial production in 2012



A Disruptive Platform for Renewable Chemicals and Fuels Industry

ANY FEEDSTOCK



INDUSTRIAL SYNTHETIC
BIOLOGY PLATFORM



RENEWABLE
CHEMICALS AND FUELS



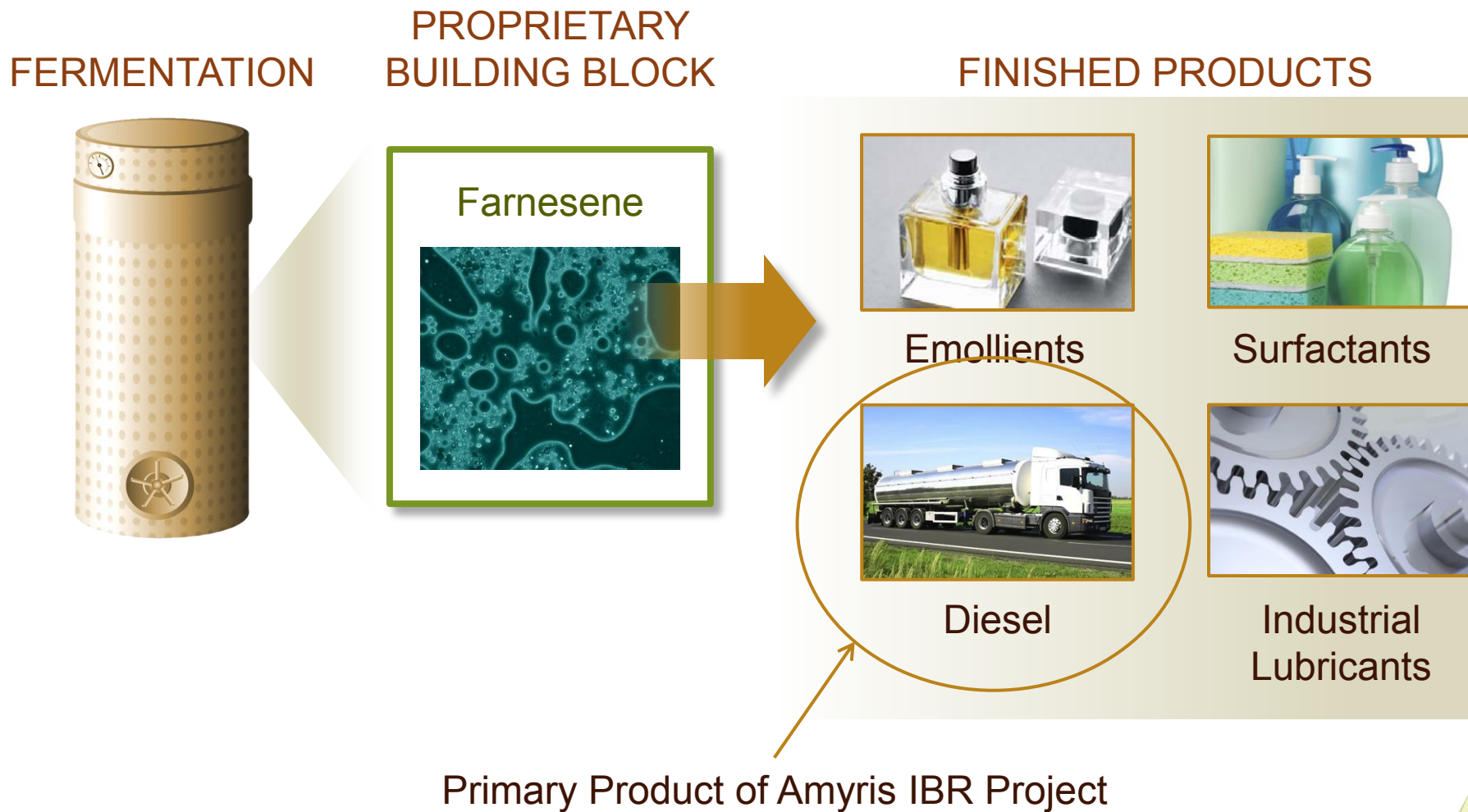
PRODUCERS



CUSTOMERS AND
PARTNERS

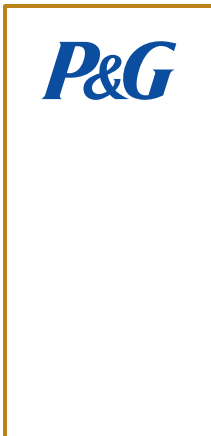


Producing High-Value Products Through Low-Cost Fermentation

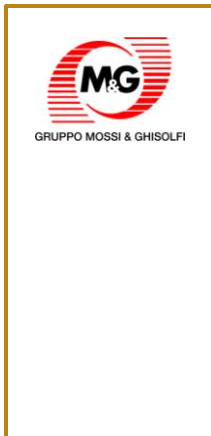


2012 and Beyond: Partners and Customers in Place

AMYRIS BIOFENE® FINAL TESTING IN MAJOR P&G PRODUCT



AMYRIS BIOFENE® IN PET BOTTLES



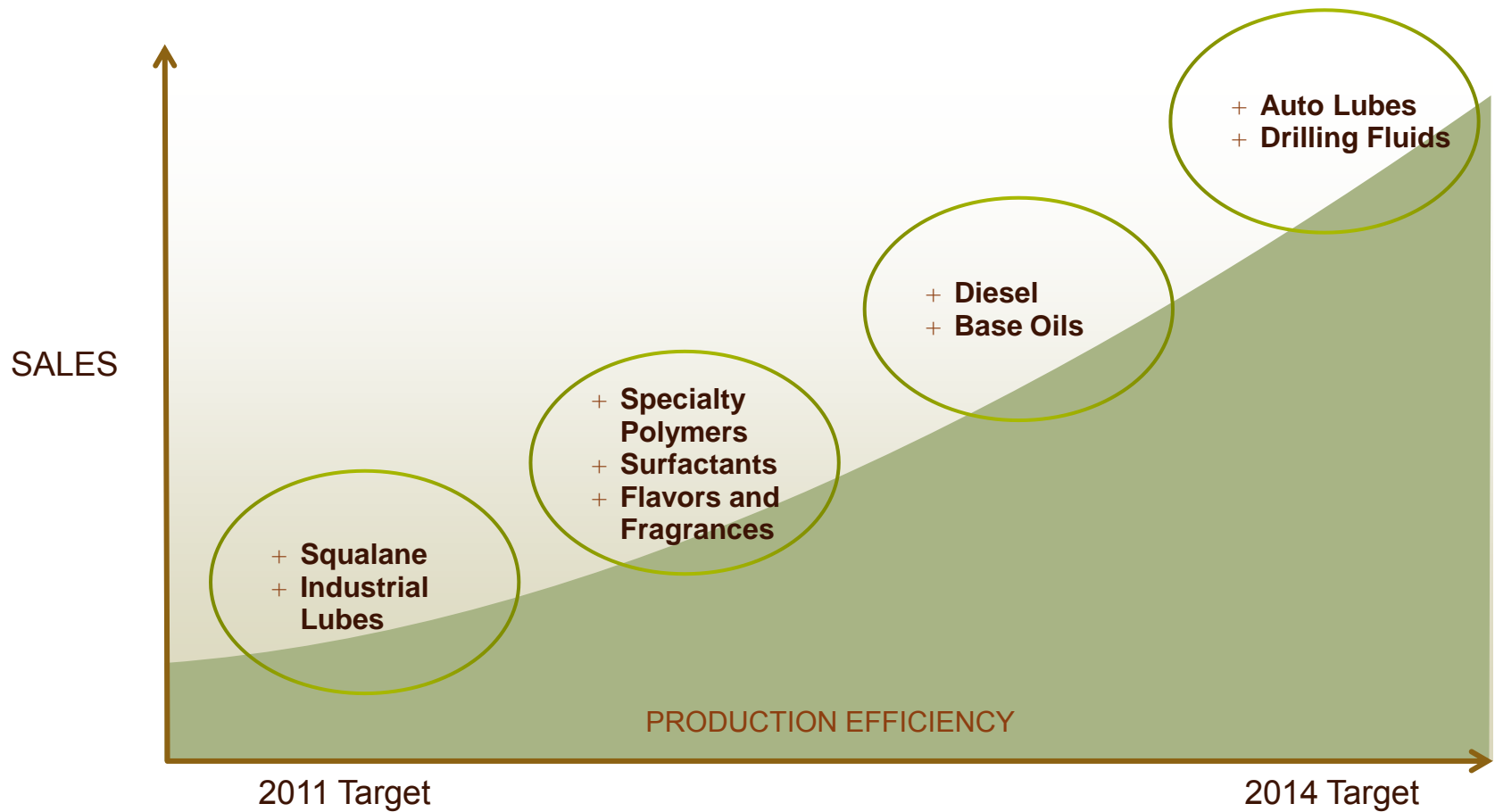
AMYRIS DIESEL WINS INTERNATIONAL COMPETITION



AMYRIS JET FUEL SELECTED FOR TEST FLIGHT

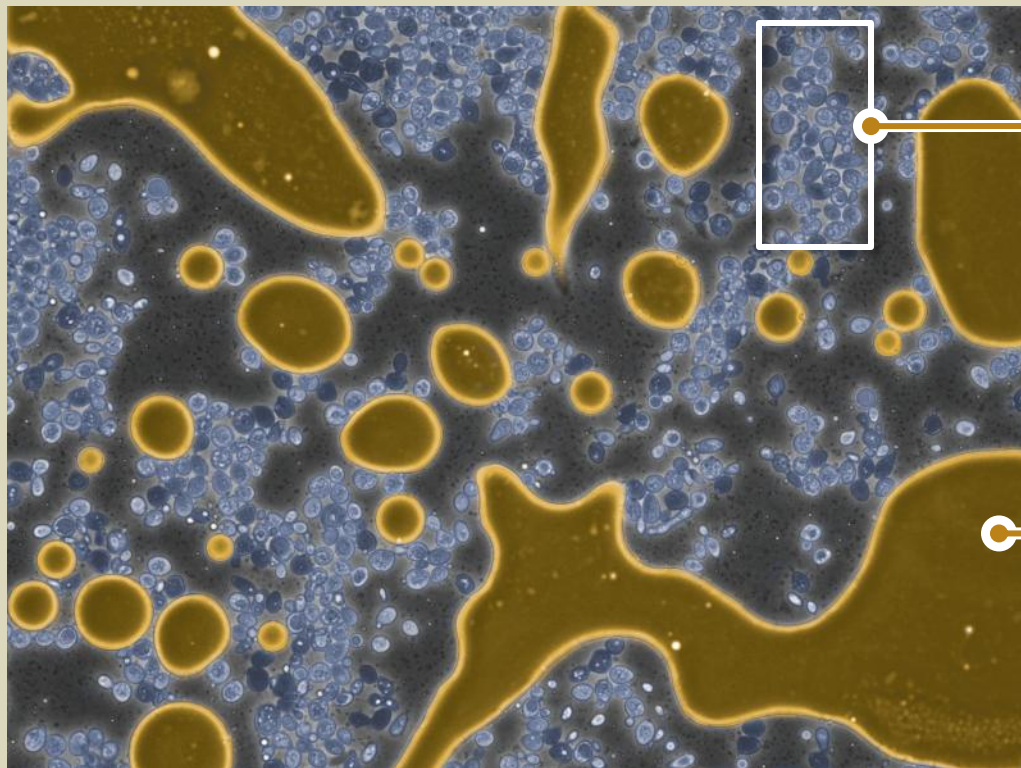


Address Broader Product Portfolio as Costs Fall



Process, Performance and Scale-up

Engineered Microbes Convert Sugar to Hydrocarbons



Amyris
Engineered
Yeast

Amyris
Farnesene

Phase-Contrast Micrograph of Amyris Engineered
Microbes Producing Farnesene

Platform Delivers Multiple Products

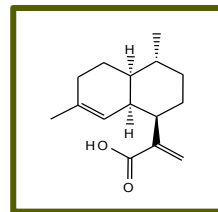


Sugar Syrup

YEAST CELL

Mevalonate Pathway

Artemisinin Acid



Anti-Malarial Drug

p450

CPR

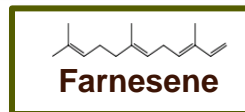
ADS



Diesel & Chemical Precursor

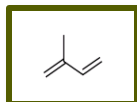
Farnesene Synthase

GPSS

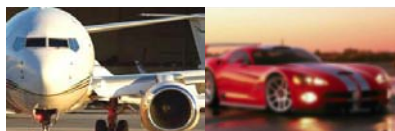


IS

PS

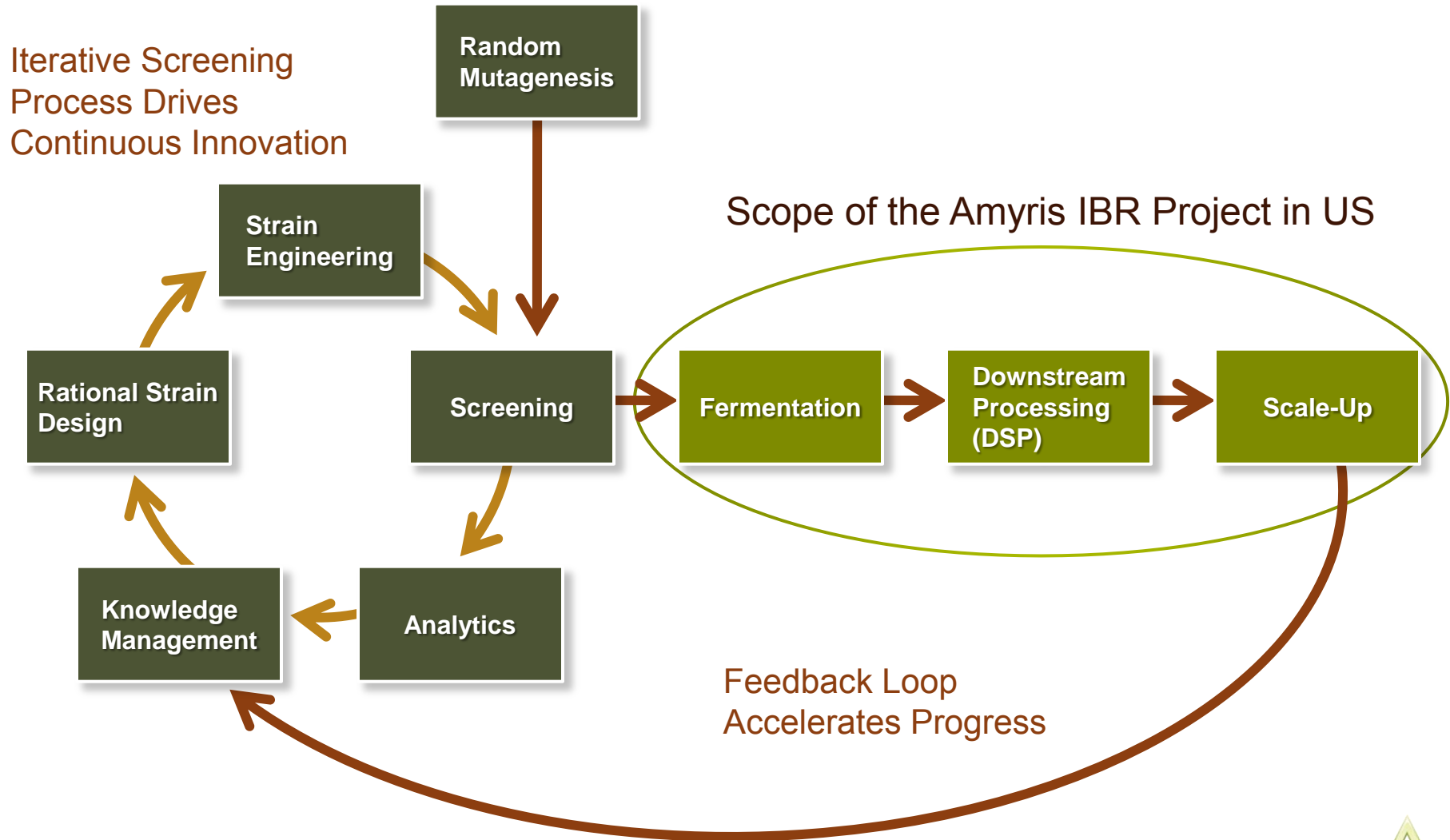


Isoprene



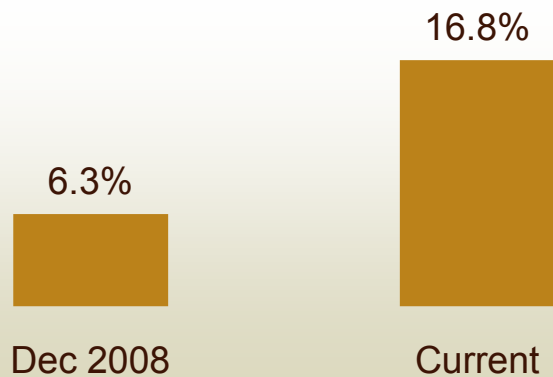
Jet / Gasoline Precursors

Integrated Research Process

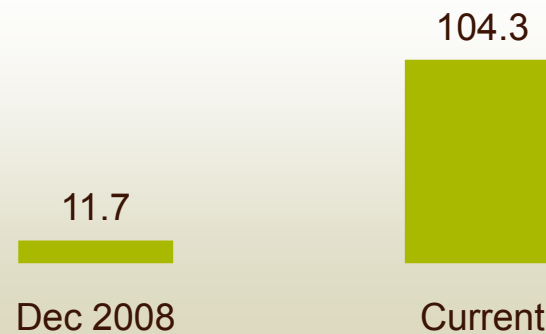


Track Record of Improving Process Performance

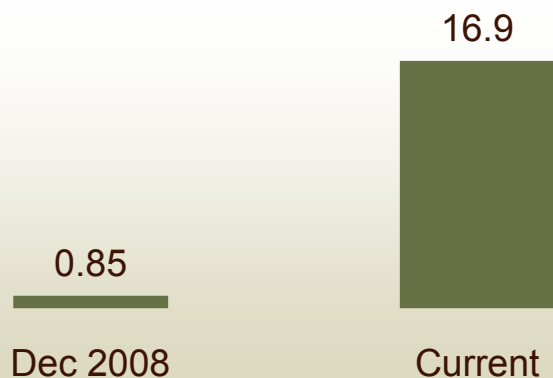
Peak Farnesene Yield



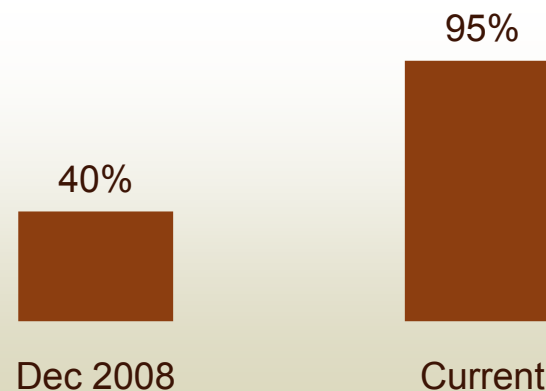
Farnesene Titer (g/L)



Farnesene Productivity (g/L/d)

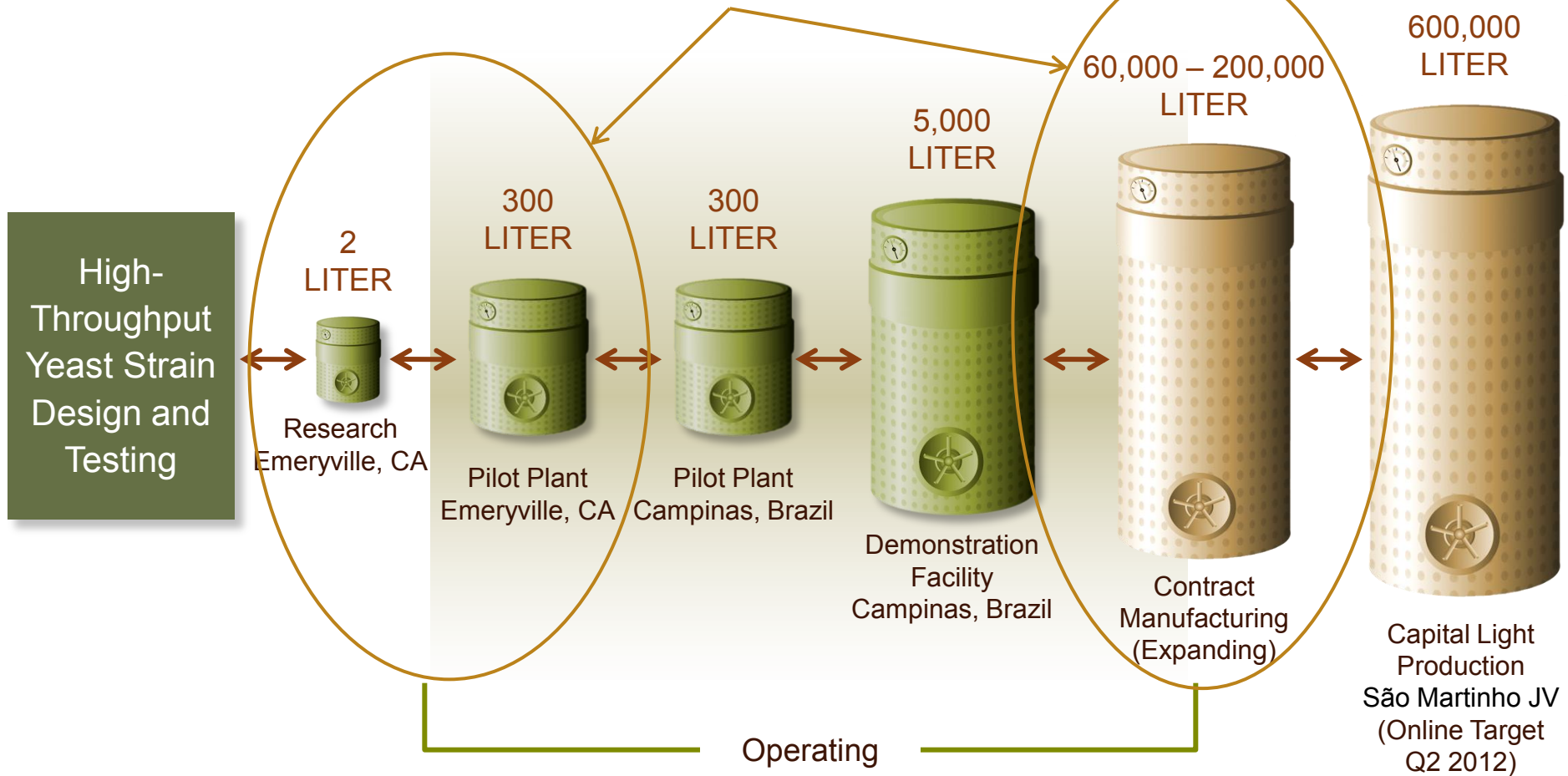


Farnesene Recovery (%)



Low-Cost Performance Regardless of Scale

Scope of the Amyris IBR Project in US



Superior Performance Scaling Through

Process Scale-Up and Manufacturing

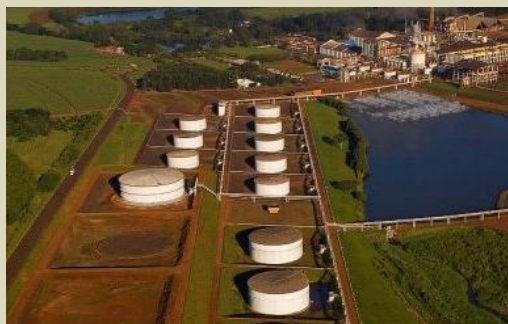
U.S. Pilot Plant



Brazil Demo Facility



São Martinho Site



**Scaled to 60,000
Liter Fermentor**

A. Simple Process

B. Scaling Up Successfully

C. 1st Commercial Plant on
Track for Q2 2012

Also exploring production
options in the U.S. for our
renewable products

Feedstock and Geography Diversification: Strategy and Partners

Using the sugar mill as an evolving biorefinery



Cane Growth and Logistics



Milling



Cogen



Fermentation



Anaerobic Digestion



L/L Separation



Flash Distillation



SMR



Hydrogenation



Using the sugar mill as an evolving biorefinery



Cane Growth and Logistics



Milling



Pretreatment & Saccharification



Fermentation



Anaerobic Digestion



L/L Separation



Biogas Cleanup



Flash Distillation



SMR



Hydrogenation



The Amyris DOE-funded IBR



Sweet Sorghum Logistics



Milling



Fermentation



Anaerobic Digestion



L/L Separation



Biogas Cleanup



Flash Distillation



SMR



Hydrogenation



Pretreatment & Saccharification

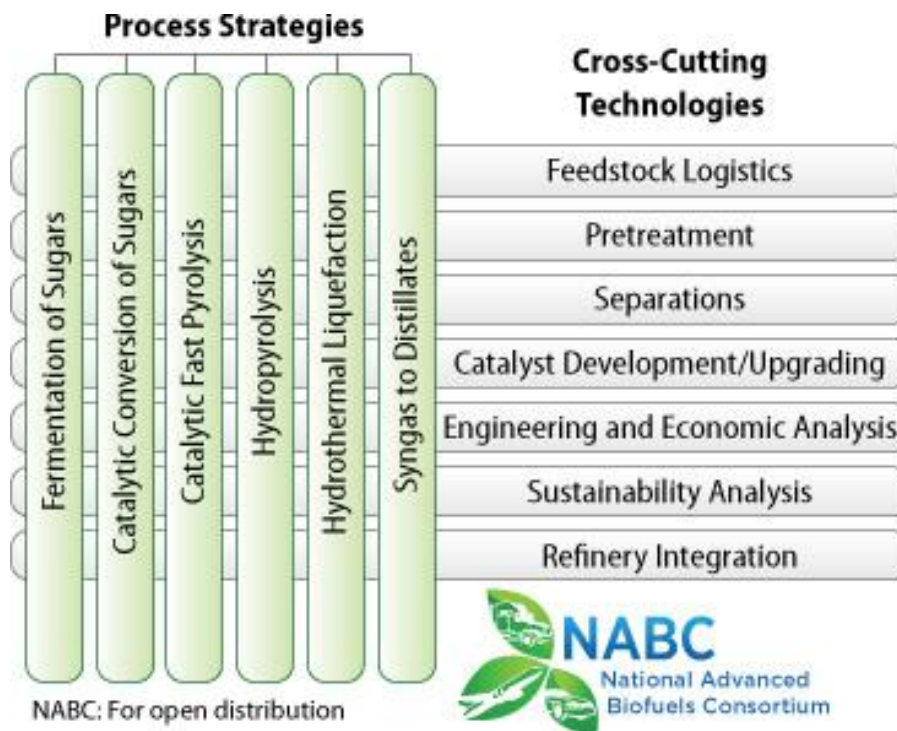
Actual and Virtual Integration at Expanded Emeryville Pilot Plant for Diesel and Chemical Scale-up



Other Amyris Feedstock Feasibility Approaches



“Amyris, Inc. and M&G ... will work together to combine access to low cost sugars by integrating M&G's ProEsa lignocellulosic process with Amyris's synthetic biology platform to produce renewable fuels and chemicals.”



Amyris: Process Strategy Lead
for NABC FOS Team