

### Sugarcane Drop-in fuels



Movido a Diesel de Cana



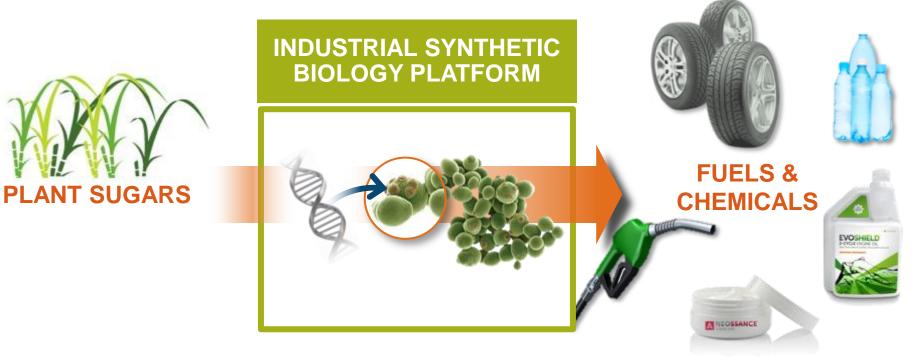
#### The power of sugarcane!



- one of the most energy efficient crops
- Economically competitive with fossil fuels
- Powers ~<sup>1</sup>/<sub>2</sub> of Brazilian cars
- ~ 90% cars sold in Brazil are flex
- But is mostly for spark engines. until now...
- With Amyris technology, Sugarcane power becomes available for:
  - Commercial Vehicles (Diesel)
  - Aviation (Jet Fuel)

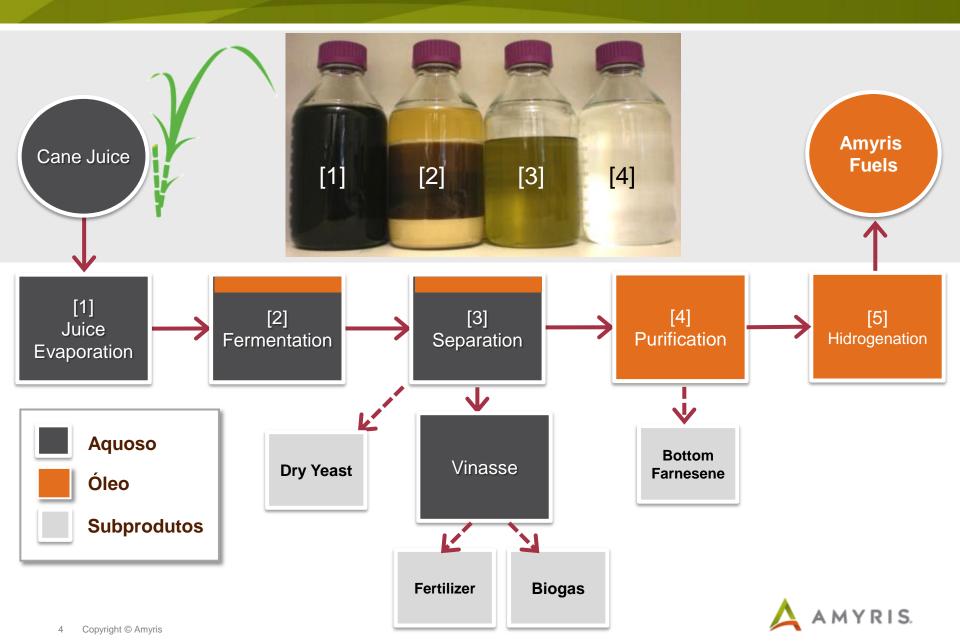


#### **Disruptive Platform for Renewable Products**

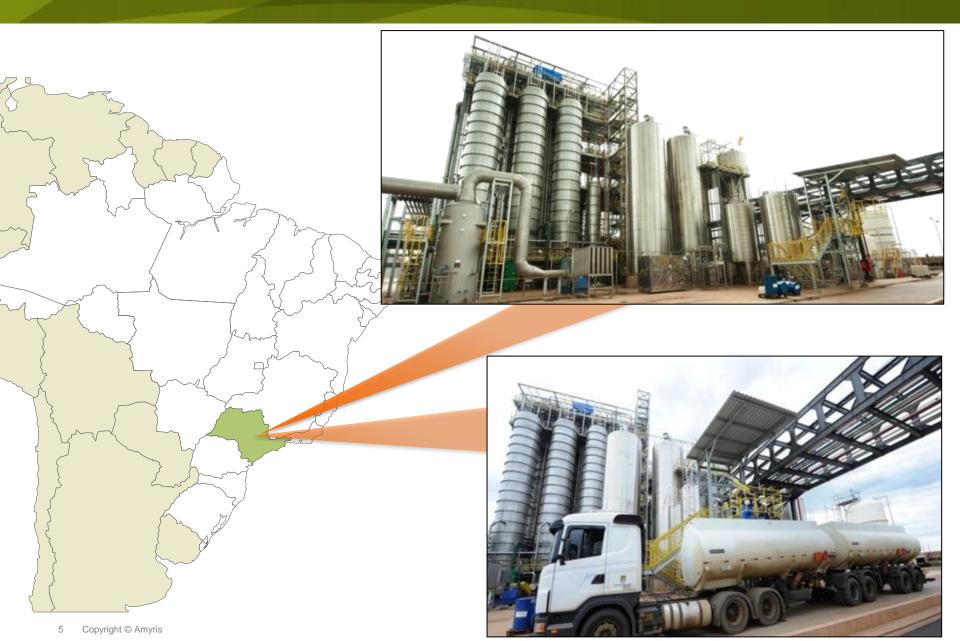




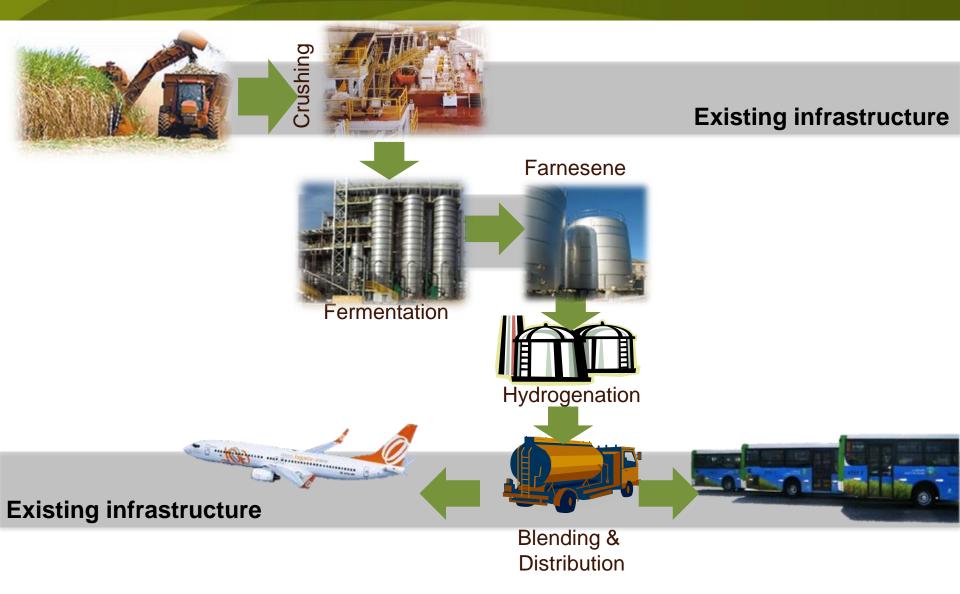
#### **Amyris Drop in Fuels Production Process**



#### First Industrial plant operating since Dec 2012



#### Technology linking 2 value chains!







Amyris Diesel is a 100% renewable solution compatible with existing engine and distribution infrastructure, showing advantages in the areas which are important to the fleet operator !

	Biodiesel (FAME)	Sugarcane Diesel
Technical maintenance	increased costs (filters, wear)	similar to diesel
Vehicle adaption	Adaptations required above 30%blend	no changes required
Garage adaption	Special tank care due to deposits/oxidation	same storage and fueling system
Vehicle Aftermarket	standard used vehicle	standard used vehicle
Fuel Price	Historically higher than fossil fuels	potentially competitive with fossil diesel, with volatility in the short term





#### **Proven Performance**





# over 25 million

km covered with blends of

## Sugarcane Diesel









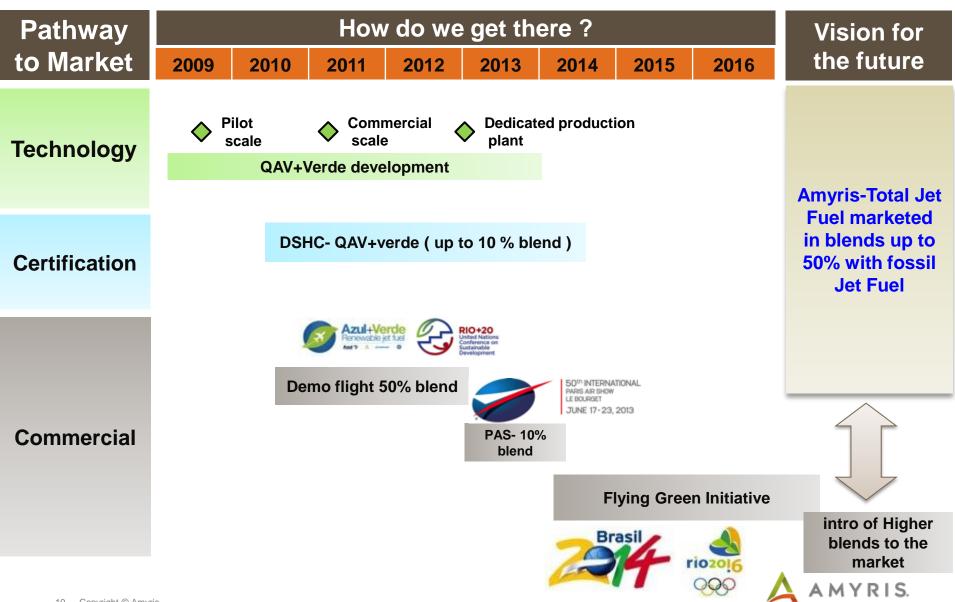
#### Successful demoflights using Sugarcane Jet Fuel







#### **Amyris-Total Jet Fuel Program**





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