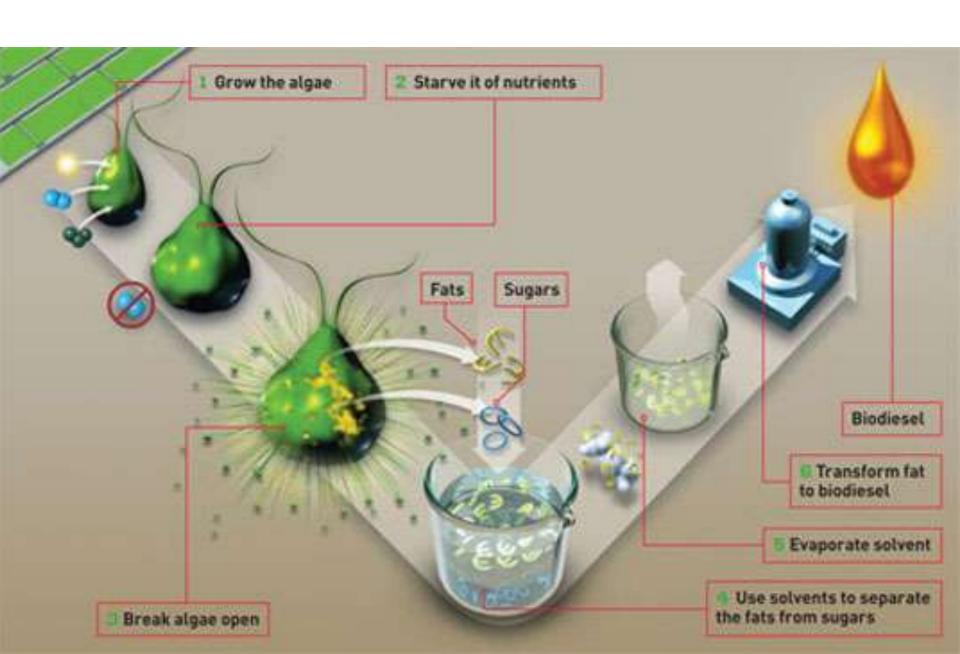
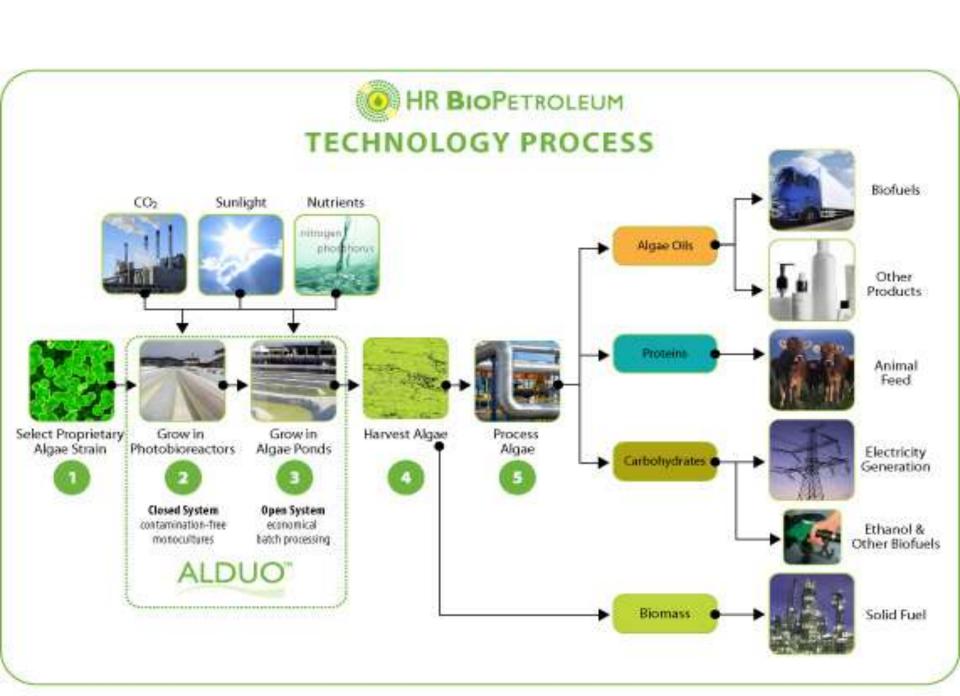
Biofuels from ALGAE



Advantages of Algae Biofuels

- Can be cited anywhere (near coal plants)
- Does NOT use irrigation water
- Harvest cycle very fast (every 2 weeks)
- Very high production per area, does not use much land
- Much easier processing, starts with a triglyceride, not cellulose/lignin





From HRBioPetroleum [www.hrbp.com]

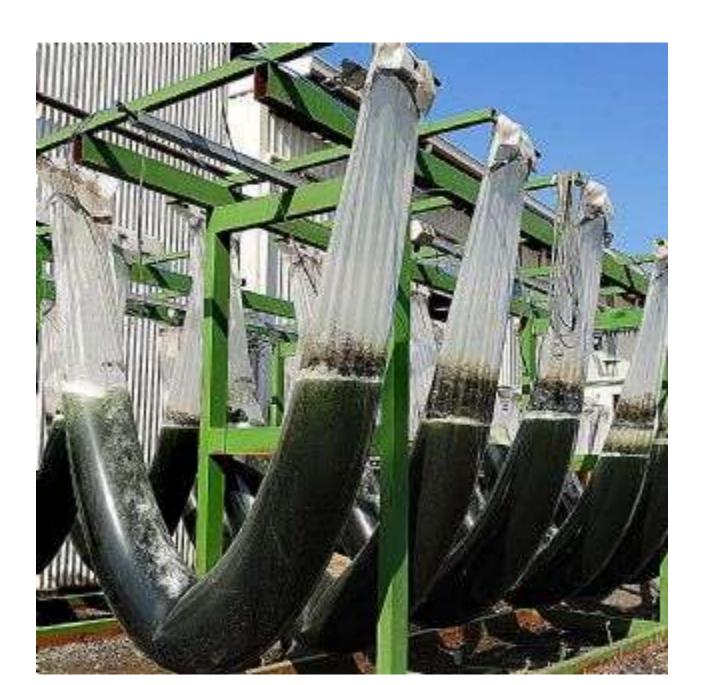
Oil Source	Biomass (Mt/ha/yr)	Oil Content (% drymass)	Biodiesel (Mt/ha/yr)	Energy Content (boe/1000ha/day
Soya	1-2.5	20%	0.2-0.5	3-8
Rapesee	d 3	40%	1.2	22
Palmoil	19	20%	3.7	63
Jatropha	7.5-10	30-50%	2.2-5.3	40-100
Microal	gae 140-255	35-65%	50-100	1,150-2,000

Crop	Oil Yield Gallons/acre	
Corn	18	
Cotton	35	
Soybean	48	
Mustard seed	61	
Sunflower	102	
Rapeseed/Canola	127	
Jatropha	202	
Oil palm	635	
Algae (10 g/m²/day at 15% TAG)	1,200	
Algae (50 g/m²/day at 50% TAG)	10,000	









AlgaeVenture Systems Harvester

Separates algae from water, dewaters, dries

