

Life Cycle Assessment:

Definition:

<http://www.lcacenter.org/library/pdf/PSME2002b.pdf>

Bio Based Polymer:

Dupont Bacteria Generated Bioresin

http://www2.dupont.com/Sorona/en_US/uses_apps/tatelyle/tate_lyle.html

Corn & Soybean Resin

http://www.ashland.com/press_room/news_detail.asp?s=1630

Eniverez Corn & Soybean Resin

<http://www.tradeonly-digital.com/tradeonly/200810/?pg=56>

Bioresin

<http://www.entropyresins.com/blog>

<http://www.entropyresins.com/downloads>

<http://www.entropyresins.com/products>

Bio-Acetone

<http://www.westmarine.com/1/1/63655-bio-solv-acetone-replacement-gallon-from-mas-epoxy.html>

Bio-Resin Market Analysis

[http://www.forestry.gov.uk/pdf/cr_existingBioresins.pdf/\\$file/cr_existingBioresins.pdf](http://www.forestry.gov.uk/pdf/cr_existingBioresins.pdf/$file/cr_existingBioresins.pdf)

Biofuels:

Algae Oil Production

<http://www.originoil.com/technology/algae-oil-basics.html>

Biofuel Pollution Evaluation

www.chimicaverde.net/chimicaverde/show_attach.php?id_cnt=2680&PHPS ESSID=c65615396995e0c642bd801a269a86e3

Batteries:

A123 Lithium Battery

http://www.technologyreview.com/read_article.aspx?ch=specialsections&sc=batteries&id=20570&a

Sea Water Battery

<http://ieeexplore.ieee.org/Xplore/login.jsp?url=/iel2/511/3906/00145804.pdf?arnumber=145804>

Heavy Duty Lead Acid Battery

<http://www.tnrbatteries.com/odysseypc2150s.html?gclid=COLkheaa55cCFQw9GgodzR0iDA>

Energy Storage

<http://www.technologyreview.com/energy/21155/>

More Efficient Lithium Battery

<http://www.technologyreview.com/energy/22351/>

Liquid battery

<http://www.technologyreview.com/energy/22116/page1/>

Composite material:

Resin Information

<http://www.google.ca/search?hl=en&q=manufacturing+energy+polyester+resin&meta>

Bamboo and bamboo composites

<http://www.springerlink.com/content/j603r1734k822206/>

Bamboo Stretch-Glassing Technique

<http://www.greenlightsurfsupply.com/glassing.html>

Bamboo Fiber Manufacturing

<http://www.tenbro.com/>

Hemp Construction

<http://www.ratical.org/renewables/plywood.html>

Hemp fiber composites

<http://www.hempline.com/applications/composites/>

Hemp Architecture

http://www.hemp.on.net/final_folder/about_us/what_weve_done/campaigns/industrial_env/hemparch.html

Bamboo & Hemp Bike

<http://www.calfeedesign.com/bamboo.htm>

Environmental Impact of Composite Materials

http://www.infra.kth.se/fms/pdf/Life_Cycle_Assessment_of_Fiber_Composite_Materials2.pdf

Structural Plastic Lumber

<http://www.tangentusa.com/1b3.html?qclid=CN7A5OSipZcCFQJ-xgodHnxifg>

Composite Material

<http://www.ecoboard.org/>

Fuel Cell:

Fuel Cell Competition

http://findarticles.com/p/articles/mi_m0EIN/is_2008_Oct_6/ai_n29478519?tag=content:col1

German Fuel Cell

<http://www.sfc.com/de/verteidigung.html>

Hydrogen Fuel Cell

<http://www.cogeneration.net/RegenerativeFuelCells.htm>

Hydrogen Fuel Cell System for Aircraft

<https://www.llnl.gov/str/Mitlit.html>

Fuel Cell Technology

<http://www.protonex.com/technology/index.aspx>

Materials:

Aluminum Manufacturing

[http://www.ifc.org/ifcext/enviro.nsf/AttachmentsByTitle/qui_alummfg_WB/\\$FILE/alum_PPAH.pdf](http://www.ifc.org/ifcext/enviro.nsf/AttachmentsByTitle/qui_alummfg_WB/$FILE/alum_PPAH.pdf)

Biomass For Energy

http://books.google.ca/books?id=l4md2B_nk9UC&pg=PA1164&lpg=PA1164&dq=life+cycle+assessment+hemp+composite&source=web&ots=sV3UDfazC&sig=D8VxCJbV6u8Mi5ocPb3JaQ-pLxU&hl=en&sa=X&oi=book_result&resnum=1&ct=result

Nano Paper

<http://www.technologyreview.com/Nanotech/20907/>

Graphene-Polymer Composite

<http://www.technologyreview.com/Nanotech/20821/?a=f>

Sails fro Pop Bottles

http://findarticles.com/p/articles/mi_qa5350/is_200306/ai_n21332014

Polyethelene Terephthalate Recycling Facility

<http://www.nd.edu/~enviro/design/pet.pdf>

Propulsion:

Electric Outboard

<http://microsec.net/whisperxt.pdf>

German Outboard

http://www.yachtproductsintl.com/files/Torqeedo%20Catalog%202007%20US%20Version_061016.pdf

Torqeedo German Electric Outboard

<http://www.westmarine.com/webapp/wcs/stores/servlet/SiteSearchView?jspStoreDir=wm51&catalogId=10001&view100page=100&Nao=0&Ntx=mode%20matchallpartial&keyword=electric%20outboard&Ntt=electric%20outboard&N=377%20710&storeId=10001&Ntk=Primary%20Search&cid=1111>

Electric Outboard

<http://microsec.net/whisperxt.pdf>

Hydrogen Fuel Cell Sail Boat

http://www.agoenvironmental.com/Under_development.htm

Electric Propulsion System

<http://www.ngcmarine.com/115.html>

Stern Drive Electric Motors

http://www.asmomarine.com/2005/asmo_uk/01.shtml

Inboard Electric Motors

http://www.asmomarine.com/2005/asmo_uk/pdfs/Asmo_Marine_THOOSA_6000.pdf

Permanent Magnet Electric Motors

<http://www.lemcoltd.com/>

SkySail Ship Propulsion

<http://qcaptain.com/maritime/blog/ocean-kites-top-10-green-ship-designs/>

SkySail Video

http://www.ted.com/index.php/talks/saul_griffith_on_kites_as_the_future_of_renewable_energy.html

Alternative Energy Propulsion Systems

<http://www.rexresearch.com/articles/wavepowr.htm>

Wave Power

http://www.treehugger.com/files/2005/04/wave_power_alte_1.php

Wave Power Theory

http://en.wikipedia.org/wiki/Wave_power#Wave_power_formula

Electric Propulsion

<http://www.solidnav.com/index.htm>

Wave Powered Station Keeping Buoy

http://www.nytimes.com/2009/02/24/science/24wave.html?_r=1&em

Sterling Engine

<http://www.whispergen.com/content/library/whispergen.html>

<http://www.whispergen.com/main/HOME/>

Solar:

U. S. Solar Radiation Maps

http://rredc.nrel.gov/solar/old_data/nsrdb/redbook/atlas/Table.html

Flexible Solar Cells

<http://www.uni-solar.com/interior.asp?id=102>

Solar Photovoltaic Product Descriptions

<http://www.advancedenergysolution.com/catalog/solar/index.htm>

Efficient-Cheap Solar Cells

<http://www.technologyreview.com/Biztech/21405/>

Systems:

60 Ft. Green Power yacht

http://boatingsailing.suite101.com/article.cfm/green_yachting_on_the_horizon

Solar powered Yacht

http://www.ted.com/index.php/talks/saul_griffith_on_kites_as_the_future_of_renewable_energy.html

Wave Powered Yacht

http://www.nytimes.com/2008/03/11/science/11boat.html?_r=1&ex=1362974400&en=f29cdb7231516b55&ei=5088&partner=rssnyt&emc=rss&oref=slogin

Green Ocean Race

<http://www.greenoceanrace.com/>

Solar Boat Competition

<http://www.solarsplash.com/>

Wave Powered Yacht

http://www.nytimes.com/2008/03/11/science/11boat.html?_r=1&ex=1362974400&en=f29cdb7231516b55&ei=5088&partner=rssnyt&emc=rss

Electrically Powered Launch

http://www.electracraft.com/electric-boat_lapstrake_18LS.html

Electrically Powered Yacht

<http://dsehybrid.com/>

Hybrid Yacht Propulsion System

<http://www.nxtbook.com/nxtbooks/boatus/200903/index.php?startpage=62#/62>

Sailboat System

<http://www.sail-world.com/Cruising/Green-Sailboat-Dream-Wins-Award-for-Inventor/50939>

Compressed Air Propulsion

<http://www.mdi.lu/english/index.php>

Compressed Air Propulsion

<http://www.technologyreview.com/energy/20071/page1/>

Misc.:

Improving Yacht Fuel Efficiency

<http://www.boatus.com/foundation/cleanwater/fuel.asp>

Green Ocean Race

<http://www.greenoceanrace.com/>

Interesting Yacht Designs

http://www.solarnavigator.net/catamaran_hull.htm

Microtransat Competition

<http://www.microtransat.org/?lang=en>

Piezoelectric Power Generation

<http://www.tinaja.com/glib/hack63.pdf>

Green LEED ratings

<http://continuingeducation.construction.com/article.php?L=114&C=401&P=7>

Questionable Green Yacht Designs:

Green Yacht Design?

http://www.2wglobal.com/www/pdf/Green_Flagship.pdf

Slender Yacht Design?

<http://www.autobloggreen.com/2008/02/13/meet-the-maryslim-a-very-slender-vessel/#comments>