

ECLIPS By-Products Produced & Uses

ECLIPS is a true re-cycling process treating waste as a valuable raw material, producing valuable by-products for commercial use.

ECONOMIC BENEFITS	BY-PRODUCT USES
CLEAN ELECTRICITY	Sold to grid/local industry or for internal use
HEATING	District community heating in CHP configuration
CLINKER/ ASH	Road Rubble/Bricks & new materials under development
WATER	<p>Car batteries - distilled water.</p> <p>Irrigation - Agriculture - Increased food production</p> <p>Drinking - with addition of mineral additives</p>
OXYGEN	Eclips plant re-use - efficiency increase/excess for commercial sale
CARBON DIOXIDE	<p>Cleaning - Clothes - Car/Aeroplane/Marine Parts - Buildings, bridges, infrastructure</p> <p>Fire Safety - Fire Extinguishers</p> <p>Fumigation - Wheat/rice/grain silos - increased food supply</p> <p>Food - Market Gardening - increased food supply - Refrigerated Transport - food preservation - Food grade ice for shops - Removes fat from milk - Removes caffeine from coffee</p> <p>Soft Drinks - Bubbles in “fizzy” soft drinks</p> <p>Oil Industry - Increase oil well production - energy supply</p>
NITROGEN	<p>Car/Bikes - Pressurised suspension systems</p> <p>Aero Ind. - Safety, pressurise empty fuel tanks</p> <p>Steel - Annealing/softening steel</p> <p>Glass - used in glass manufacture</p> <p>Electronics - Clean chip manufacture</p> <p>Medical - Bio-technology research- blood/gene store</p> <p>Agriculture - Manufacture of nitrates and fertilisers</p> <p>Food - Preservative, seals food in tin cans</p> <p>Cleaning - Ammonia production for all household cleaning agents</p>
HYDROGEN	<p>Energy - Fuel cell manufacture - car industry - Rocket fuel</p>
OIL	Tyres - Oil/fuel additives from tyre disposal
OTHER PRODUCTS	Acids & Gypsum