HYDROCARBON INDEX – SYMBOL "Hi"

% of actual hydrocarbon in products + used in manufacturing products										=	Hydrocarbon INDEX "Hi" label on all things made, manufactured & sold				
10	20	30	40	50	60	70	80	90	100		Hi 1	Hi 2	Hi 3	Hi 4	Hi 5

Ci = 70

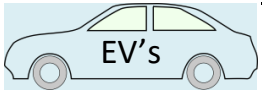
We know the Ci of the SOUP

Hi = ?

The Hi of growing/packing SOUP ?

Fossil fuel heat source is needed to melt & mold mined ore into diesel powered heavy equipment to excavate & transport ore to plant, to make tomato cans, irrigation pipes & pumps, farm equipment to plow, plant, harvest & trucks to transport tomatoes to grocery outlets. Additional fossil activities are needed to produce tomato seeds and fertilizer. 100% fossil fuel tires on all equipment, used in the process & goods delivered on 100% fossil fuel asphalt roads or high fossil fuel content concrete roads.

Hi ?



= 0.0

Wind Farms

= 0.0

= 0.0

= 0.0

Emissions

Working Life up to Recycling or Disposal

Zero "0" Emissions, when promoting EV's, Solar, Wind Farms and Battery Storage is misleading as a "clean energy". Ai is a powerful tool that can be programmed to detail and post all data related to the fossil fuel content of everything we make & use. Having knowledge to choose low Hi items could help lower CO2 emissions. More importantly Ai can better define the Remediation Challenges posed by this latest shift away from Fossil Fuel that may involve a greater environmental disposal crisis where recycling of those components are limited. Additionally, a specifically designed Ai tool could evaluate cleaner uses of hydrocarbon - natural gas for example - plus carbon capturing and sequestering technologies. The goal, to offset the long term massive disposal scenarios facing end-of-life for EV batteries, solar panels, windmills and grid storage facility batteries, currently posing a new type of modern waste.

Fossil fuel products are classified as HYDROCARBONS (CxHy) represented mainly by natural gas, butane, propane, gasoline, kerosene, diesel, fuel oil, bitumen, asphalt, and coal. Fossil fuels are required to power the entire transportation industry and needed to manufacture all components for the electrical grid. This includes the solar panels themselves, with their massive array of field frames, miles of high grade copper coated wire to integrate the panels and deliver their electricity to a grid holding battery storage facility or direct to an already established grid. Windmill farms, are also fossil fuel dependent for mining, fabricating, manufacturing, transporting & constructing of the primary structures, fiberglass blades, turbine generators, auxiliary components, copper wiring as with Solar Farms to get the electricity to the grid battery storage facilities, or into the existing grid itself. To be effective, Wind and Solar farms need Battery Centers to store the electricity they produce when necessary to feed the grid. Today, whole assortments of specialty batteries, dependent upon fossil fuel energy in their making, represent a major shift of energy to support new technologies from EV's, power tools, lawn mowers, leaf blowers, etc. Then there is the entire Petrochemical Industry, solely dependent on fossil fuel sources to manufacture pretty much everything needed and used by every living human on earth every day. Plastics, automotive parts, industrial & home textiles, medical devises, construction materials, home appliances, carpeting, laminate, clothing apparel, sports gear, upholstery, tires, rubber, seals, hoses, lubricants, paints, adhesives, coating, cleaning agents, castings, circuit boards, complex medical paraphernalia, pharmaceuticals, DATA storage clouds, Ai centers, rockets, satellites, wireless towers/components, computers, I-pads, smart phones - the list goes on. Fossil fuel is critical to agriculture and our entire food supply.

Written, designed and prepared for Poster Presentation at the 2025 RemPlex Summit on Environmental Remediation by Albert Sardella, Technical Director, Environmental Remedies, Kingdom of Bahrain, email: albertotto1@outlook.com