

PROBLEMS-SOLUTIONS MATRIX
- SOLVE PROBLEMS with D5170 ROTARY SOLUTIONS -

PROBLEMS IN		WATER, HEALTH, HUNGER & SOLAR SOLUTIONS:
<u>WATER:</u>		
- Unsafe water	-	Solar water pasteurization, Solar Cookers, WAPI's (Water Pasteurization Indicators), SODIS (Solar Disinfection),
		Filters (bio-sand, UV, arsenic removal, chlorine, etc), Water Testing.
- Water shortage	-	Wells, Pumps, Pipelines, Conservation,
		Rainwater Harvesting (roofs, dams creating lakes),
		Fog/Dew collection (even in deserts), Desalination.
- Farming water	-	Irrigation, Drip systems, Pumps (treadle, rope, solar, etc).
<u>HEALTH:</u>		
- Water related	-	Safe Drinking Water solutions (see Unsafe water above),
		Sanitation, Hygiene, ECO toilets, Public toilets, Education,
		Community building, Women empowerment.
- Environment	-	Smoke-free/no-open fire Cooking: Solar Cookers & Rocket Stoves.
		Burn Centers (<i>Coaniquem</i>).
- Pandemics	-	HIV/AIDS Prevention/education/counseling programs, PMTCT,
		Prevent Polio, Malaria, Cholera, Worms, Diabetes, TB, Cancer, etc
		Prevent Drug abuse, STD's.
- Medical	-	Basic care, Pre/Postnatal care, Telemedicine (through internet),
		Artificial limbs, Cleft lips/palates (<i>Rotaplast, Faces of Hope</i>),
		Wheelchairs (www.freewheelchairmission.org and <i>Rotary Wheelchair Foundation</i>), Hand-driven tricycles.
		Dental, Eye care, Cataract surgery, Heart etc surgery,
		Mobile Clinic, Ambulance, Hospital supplies/equipment, <i>RotaCare</i> .
- Mental Health	-	Treat Mental Illness, Trauma rehabilitation, Prevent Drug abuse.
- Miscellaneous	-	Bone marrow registry.
<u>HUNGER:</u>		
- Starvation	-	Emergency Response/Relief, Distribute food/vitamins/medicine,
		Save lives, Prevent Brain damage (longtime starvation/malnutrition)
- Malnutrition	-	Sustainable agriculture, Irrigation, Composting, Vegetables, Seeds,
		Fruit trees,
		Solar drying (fruit/vegetables/meat), Greenhouse, Income generation
		Empowering women, Livestock breeding, Fishing gear, Micro-
		Teach proper diet, Soup kitchens, Surplus Food distribution.
<u>ENERGY:</u>		SOLAR:
	-	Photo-Voltaic (PV) Solar technologies: solar lighting, WLED lights,
		pumping, refrigeration.
	-	Thermal (passive) Solar technologies: Solar Cooking, Water
		Purification/Heating, Drying, Space-heating, Greenhouses.