

ECONOMIC, SOCIAL & ENVIRONMENTAL VALUE CHAIN

Low Vulnerability - Vital Energy and Water Systems (VEWS).



OFF-SHORE WIND & SALINE WATER EXTRACTION

COMMON TRANSMISSION LINES, INFRASTRUCTURE, ENGINEERING & DEPLOYMENT

PUMPED ON DEMAND - FLAT ENERGY COST (PV AND WIND)

PUMPED DESALINATION / PUMPED HYDRO

COMMON TRANSMISSION LINES & TECHNOLOGIES, PUMPED FROM SEA LEVEL OPTIMISING DESALINATION PUMPING PRESSURES TO A +/- / NET ZERO COST (COMMON ENERGY USE)

WATER STORAGE BATTERY, FLOATING PV, ON-SHORE WIND

COMMON TRANSMISSION LINES / \$0 PV LAND PROCUREMENT / LOW WIND LAND PROCUREMENT

CO-BENEFITS:
- REDUCED PV OPERATING TEMPS, INCREASED CELL EFFICIENCY
- REDUCED WATER EVAPORATION AND ENVIRONMENTAL CONTAMINATION

ON-SHORE WIND AT ALTITUDE & COASTAL WINDS, COMMON LAND PROCUREMENT

CLEAN WATER + CLEAN ENERGY STORAGE >> HYDRO

DISCHARGED AT HIGH ENERGY PRICING AND/OR WATER DEMAND

PV & WIND SUPPLY DIRECT TO NETWORK IN LOW WATER DEMAND / REDUCED REDUNDANCY

CAN BE DISCHARGED BACK TO SEA - NO CURTAILMENT AS PER FRESH WATER HYDROPOWER & PUMPED-HYDRO

COMMON TRANSMISSION LINES, INFRASTRUCTURE & LAND PROCUREMENT

DISTRIBUTED PV AND WIND INTEGRATED INTO TRANSMISSION LINES

REGENERATION WATER TURBINES

COST POSITIVE TRANSMISSION - INCREASED ENERGY EFFICIENCY, REDUCED MLFS

CLEAN ENERGY AND DRINKING WATER SUPPLIED INTO MUNICIPAL NETWORKS & MARKETS

ENERGY & WATER RETAIL PRICING - DIRECT TO CONSUMER

CREATION OF VIRTUAL RETAIL WATER MARKET

EXISTING WATER SUPPLIES - UPSTREAM CONSUMPTION FOR CURRENT AND FUTURE AGRICULTURE AND INDUSTRY



WATER & ENERGY SECURITY +

**\$44.11M per month +
4,925MWH x \$300MWH =
\$1.48M per month**

**= \$45.59M operating
profit per month**

**x Y volume (125GL pa)
x Z plants**

**15GL Headworks pa
REDACTED CONTENT**