



HALCYON ENERGY SYSTEMS OFFERS A COMPLETE TURN-KEY WATER AND POWER SOLUTION FOR REMOTE VILLAGES IN ARID, DROUGHT-STRICKEN AREAS WITHOUT ELECTRICITY. THE WATER AND POWER SOLUTION TRANSFORMS AGRICULTURE IN REMOTE VILLAGES, ALLOWING FARMERS TO ADVANCE FROM SUBSISTENCE FARMING TO COMMERCIAL FARMING AT VERY LOW OPERATING COSTS. THE SOLAR ENERGY POWERS A WATER PUMP THAT DRAWS CLEAN AND SAFE WATER FROM DEEP AQUIFERS AND STORES IT ON THE SURFACE FOR MANAGED IRRIGATION AND DRINKING. THE SYSTEM ENABLES FARMERS TO IRRIGATE CROPS REGARDLESS OF RAINFALL FREQUENCY. MULTIPLE CROPS CAN BE PLANTED THROUGHOUT THE YEAR AND CROPS THAT COULD NOT BE PLANTED DUE TO MINIMAL RAINFALL CAN NOW BE PLANTED.

THIS SYSTEM IS DESIGNED TO ESTABLISH MICROGRIDS IN REMOTE LOCATIONS TO MEET BOTH AGRICULTURAL AND OTHER VILLAGE POWER NEEDS.

SPECIFICATIONS

- HALCYON CENTURION 10.5 MOBILE SOLAR GENERATOR
- 20,000 GALLON (75 M³) HIGH GRADE GALVANIZED STEEL WATER STORAGE TANK WITH UPGRADED ANSI/NSF 61 APPROVED INTERIOR TANK LINING FOR POTABLE WATER
- WATER WELL DRILLING TO 100 METER DEPTH INCLUDED
- SUBMERISIBLE WELL WATER PUMP
- IRRIGATION BOOSTER PUMP
- FULLY INTEGRATED SYSTEM DESIGN WITH STATE-OF-THE-ART AUTOMATED CONTROLS

FEATURES

- WATER AND POWER SYSTEM INSTALLED PER UNITED STATES STANDARDS
- BURIED AND PROTECTED PIPING INSTALLED BETWEEN PUMP DISCHARGE AND STORAGE TANK
- IRRIGATION BOOSTER PUMP INCLUDED
- WELL BASELINE AND PERFORMANCE TESTS INCLUDED
- CREDIT AVAILABLE FOR USE OF EXISTING WELLS WITH ADEQUATE DEMONSTRATED PERFORMANCE
- ADDITIONAL ELECTRICAL OUTLETS PROVIDED
- 3-YEAR LIMITED WARRANTY ON PARTS AND SERVICE

CONTACT US FOR PRICING AND PRODUCTION SCHEDULE

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SECURE ENERGY TO POWER OUR FUTURE

OPTIONS

- A. WELL-DRILLING FOR DEPTHS GREATER THAN 100 METERS
- B. HIGHER CAPACITY WATER STORAGE TANK
- C. CUSTOM ENGINEERING AND DESIGN SERVICES TO SATISFY SPECIALIZED REQUIREMENTS

SYSTEM BENEFITS

THE HALCYON CENTURION 10.5 IS POWERED BY THE SUN AND PROVIDES CLEAN, SAFE AND RELIABLE ELECTRIC POWER. IT IS A STATE-OF-THE-ART AMERICAN MADE SYSTEM PROVIDING THE MOST EFFICIENT AND RELIABLE ENERGY AVAILABLE IN THE MARKETPLACE TODAY. OPERATING EXPENSES ARE MINIMAL. HALCYON ENERGY USES THE LATEST COMMERCIAL GRADE SOLAR TECHNOLOGY WITH DECADES OF SOLAR PANEL LONGEVITY.

CLEAN WATER IS SUPPLIED FROM DEEP AQUIFERS FOR IRRIGATION AND SAFE DRINKING WATER. OPPORTUNITIES ABOUND TO EXPAND THE WATER DISTRIBUTION SYSTEM FOR MANY OTHER USES. THE IMMEDIATE AVAILABILITY OF SAFE, CLEAN WATER ALLOWS FOR REALLOCATION OF HUMAN RESOURCES.

MULTIPLE CROPS SEASONS ARE POSSIBLE BECAUSE WATER FOR IRRIGATION CAN BE MANAGED YEAR-ROUND. IN ADDITION, HIGHER VALUE CROPS CAN BE GROWN WITH PLENTIFUL WATER SUPPLIES. THE MOBILITY OF THE HALCYON CENTURION 10.5 SOLAR POWER GENERATOR PROVIDES FLEXIBILITY BY REPURPOSING IT TO LOCATIONS WHERE POWER IS MOST NEEDED. ELECTRICAL OUTLETS PROVIDE FOR LIGHTING, MOBILE PHONE, COMPUTER CHARGING AND OTHER ELECTRICAL POWER REQUIREMENTS.