

Impulsando la producción agrícola del Valle del Chira





THE CHIRA RIVER VALLEY, 60 KM AWAY FROM PIURA, NORTH OF PERU





AN UNFRIENDLY, MOSTLY DESERTED AND DESOLATED LAND





AN UNEXPLOITED AND RICH SOIL, WITH LIMITED ACCESS TO IRRIGATION WATER





A RURAL REGION, WHERE PEOPLE STILL LIVES IN POVERTY





IN SIMPLE SHELTERS, MOST OF THEM WITH NO ELECTRICITY





NOR RUNNING WATER, NOR SEWERS





WITH BASIC MEANS OF TRANSPORTATION AND COMMUNICATION SERVICES





AND HEALTH AND EDUCATIONAL CENTERS STILL NEED PROGRESSING





IN 2006 THE ROMERO GROUP BEGINS A PIONEER PROJECT IN THE REGION





A NEW BIO-REFINERY TO PRODUCE 25,000,000 GPY OF FUEL GRADE ETHANOL FROM SUGAR CANE





AN IMPOSSIBLE MISSION WITHOUT THE VISION OF THE PROMOTERS AND FAITH OF THE LOCAL POPULATION





EXISTING WATERWAYS ARE MODIFIED TO HANDLE THE FLOW NEEDED IN THE CANE FIELDS





RESERVOIRS ARE BUILT TO SETTLE AND TREAT THE WATER TO BE PUMPED INTO THE PLANTATION





PUMPING STATIONS ARE INSTALLED TO DISTRIBUTE WATER AT A RATE OF NEARLY 12,000 M3/HA PER YEAR





FIELDS ARE FLATTENED AND PREPARED TO RECEIVE THE SEED





DRIP IRRIGATION SYSTEMS ARE EMPLOYED TO REDUCE THE CONSUMPTION OF WATER AND FERTILIZERS





43,000 KM OF WATER PIPES ARE LAID DOWN TO COVER THE 6,500 HECTARES OF SUGAR CANE





SEVERAL CANE VARIETIES ARE PLANTED TO TEST PRODUCTIVITY AND LIMIT PEST RISKS





BENEFICIAL INSECTS ARE PRODUCED IN LARGE SCALE TO CONTROL PESTS





THE BIOLOGICAL CONTROLLERS ARE INNOCUOUS TO MEN AND REPLACE PESTICIDES





24 MONTHS OF HARD WORK BRING THE DESERT INTO LIFE.
WITH IT THE HOPES OF PROGRESS OF THE LOCAL COMMUNITY





6,500 HA OF WASTELAND ARE CONVERTED INTO A PRODUCTIVE GREEN VALLEY





THE CANE AT MATURITY OBSERVE THE COMMON 3-3-3
RULE, 3 M HIGH, 3 CM WIDE, 3 KG





THE PLANTATION ACHIEVES OUTSTANDING RESULTS. AVERAGE PRODUCTION OF 130 T/HA WITH 15% SUCROSE





UNI-SYSTEMS IS SELECTED AS CONTRACTOR FOR THE INDUSTRIAL PLANT





THE DISTILLERY IS DESIGNED, CONSTRUCTED AND COMMISSIONED IN 22 MONTHS





WITH A PROCESSING CAPACITY OF 4,000 TON OF CANE PER DAY, OPERATING 315 DAYS PER YEAR





PRODUCING 30 MM GAL/Y OF ETHANOL AND 90,000 MWH/Y OF ENERGY





THE FACTORY PRODUCTION LINE IS A BENCHMARK OF EFFICIENCY AND RELIABILITY





THE SUGAR CANE IS RECEIVED AND WEIGHED, SAMPLES ARE TAKEN FOR LAB TESTS





THE CANE UNLOADED, DIRT IS SEPARATED THEN PROPERLY PREPARED





JUICE IS EXTRACTED AND CLARIFIED. THE BAGASSE IS DRIED TO 50% MOISTURE





THE CLEAR JUICE IS HEATED AND EVAPORATED





THEN FERMENTED IN A CONTROLLED ENVIRONMENT WITH YEAST SUITABLY TREATED





THE RESULTING BEER IS DISTILLED TO ETHANOL THEN DEHYDRATED IN MOLECULAR SIEVES





STEAM IS GENERATED AT HIGH PRESSURE AND TEMPERATURE IN A BAGASSE FIRED BOILER





ELECTRICITY TO POWER THE FACTORY MOVERS AND THE PLANTATION, IS GENERATED IN STEAM TURBINES





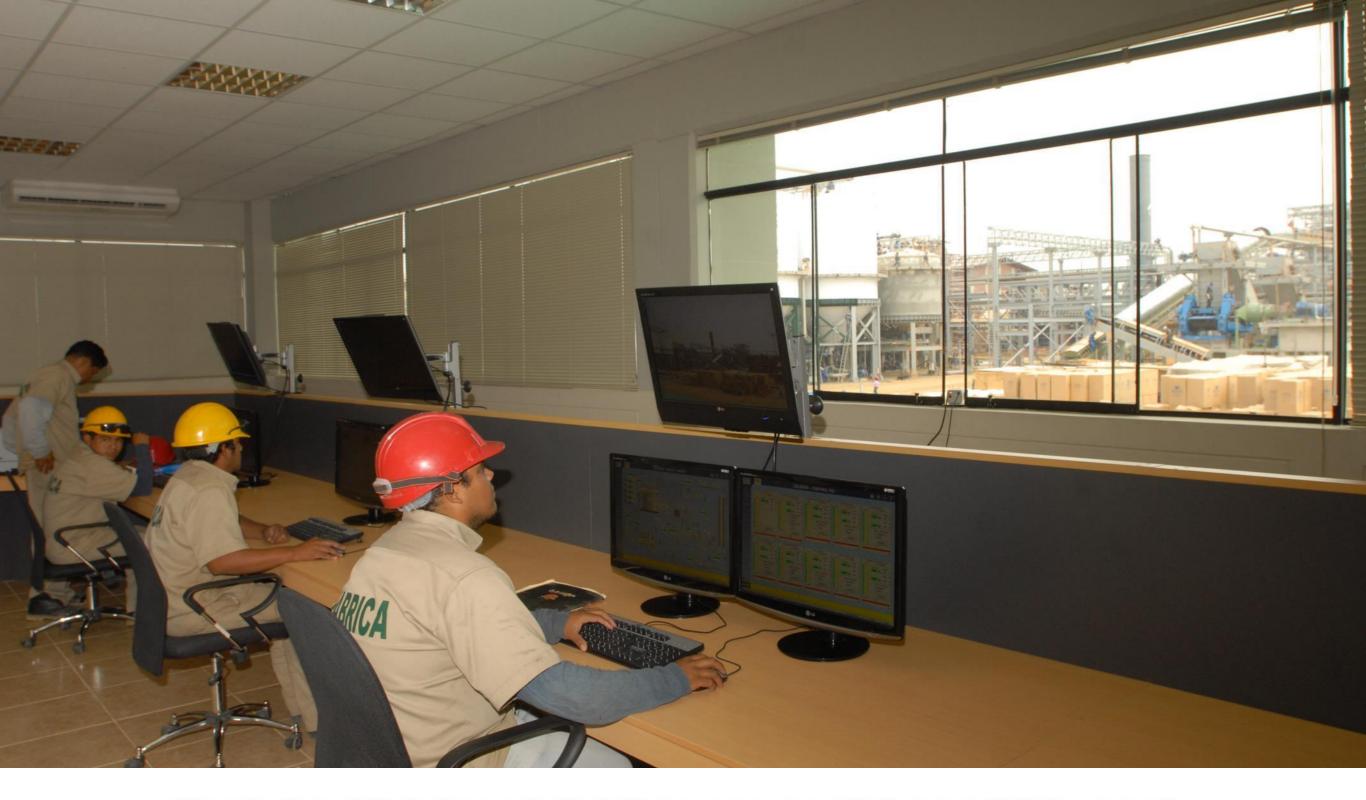
RAW WATER IS SUITABLY TREATMENT FOR USE AS PROCESS OR COOLING WATER





POWER IS DISTRIBUTED THROUGH SUBSTATIONS TO THE EACH FACTORY AND PLANTATION LOAD POINT





THE FACTORY IS TOTALLY AUTOMATED AND CONTROLLED FROM THE OPERATING CENTER





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THE ETHANOL OUTPUT REPLACES GASOLINE PRODUCED BY 2,000,000 BARRELS OF OIL A YEAR





THE ANNUAL GROSS OPERATING REVENUES FROM ETHANOL AND POWER EXCEEDS 100,000,000 USD





250 PERMANENT JOBS ON PERMANENT BASIS WERE CREATED TO OPERATE AND MAINTAIN THE FACTORY





AND ALMOST 1500 PERMANENT JOBS FOR THE FIELDS, IRRIGATION, HARVESTING AND TRANSPORTATION





THE DIRECT AND INDIRECT NUMBER OF JOBS GENERATED IN THE REGION EXCEEDS 7,000.





FACTORY PERSONNEL HIRED WITH BASIC SKILLS HAVE BECOME EXPERIENCED PROFESSIONALS





600,000 TON OF CO2 ARE REMOVED EVERY YEAR FROM OUR SKIES BY PHOTOSYNTHESIS IN THE PLANTATION





WE ARE PROUD OF OUR CONTRIBUTION TO THE SUCCESS OF THIS CAPTIVATING PROJECT

