



WE ARE

Requilibrium Group





And our mission is to

HEAL WATER

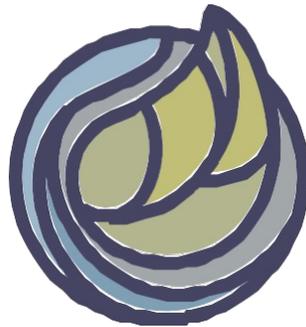


WE RESPECT
LIVING WATER

RE – USE WATER



No chemicals



Passive



Zero or minimal energy consumption



No discharge of methane to the atmosphere



No bad smells

Balance



Water



Renewable
Energy



Sustainable
Ecology

Water and renewable energy in balance for a sustainable future.

Water Healing



We call it healing, not water treatment, because we understand water as a living system. We treat it naturally and passively, without chemicals and with minimal electricity consumption.

We believe in respecting water, striving for balance with its environment through non-invasive solutions.



Drinking water



Requilibrium delivers sustainable, chemical-free water solutions with minimal energy consumption. Through passive and environmentally balanced processes, we purify water from diverse sources, effectively removing heavy metals, PFAS, microplastics, and other contaminants, resulting in healthy, potable drinking water suitable for all uses.



Water bodies "healing".



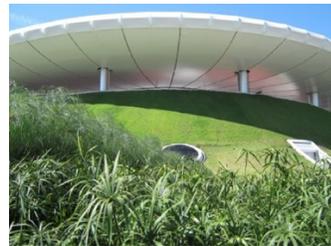
The creation, regeneration and respectful "healing" of natural bodies of water aim to gradually restore the damage inflicted on water, while considering its biosphere and the full range of its multiple natural resources.

We implement floating wetlands, among other nature-based solutions.



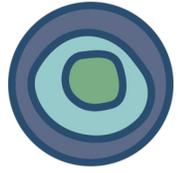
Wetlands

Engineered nature-based



The design and creation of engineered wetlands constitute a natural approach to water healing.

Wastewater flows horizontally or vertically through filtering media and plant root systems, creating extensive surfaces for bacterial life that enable a passive, biological, and highly efficient water healing process.



Design & Creation

Of integrative parks – lagoon regeneration – Efficiency improvements for existing plants.



These parks not only serve as recreational spaces for the community, they are also designed to promote environmental conservation and sustainability.

By combining water healing infrastructure with green and recreational areas, Reequilibrium, in addition to contributing to people's well-being, also encourages a holistic approach towards water management and the preservation of local ecosystems.

We optimize the operational efficiency of existing water healing plants, promote water bodies regeneration, and recover water through aquifer recharge.



Alternative Power generation



Renewable energy generation based on biogas produced from Sewage, organic waste, sargassum, aquatic hyacinth, and other biomass sources, which can be used in:

Water heaters for residential, commercial and tourism-related applications, including swimming pools, among others.

Electric power generation for direct use and/or bidirectional feeding into the public network.

Biomethane as renewable energy for transport.

Power storage securing continuous energy without interruptions.

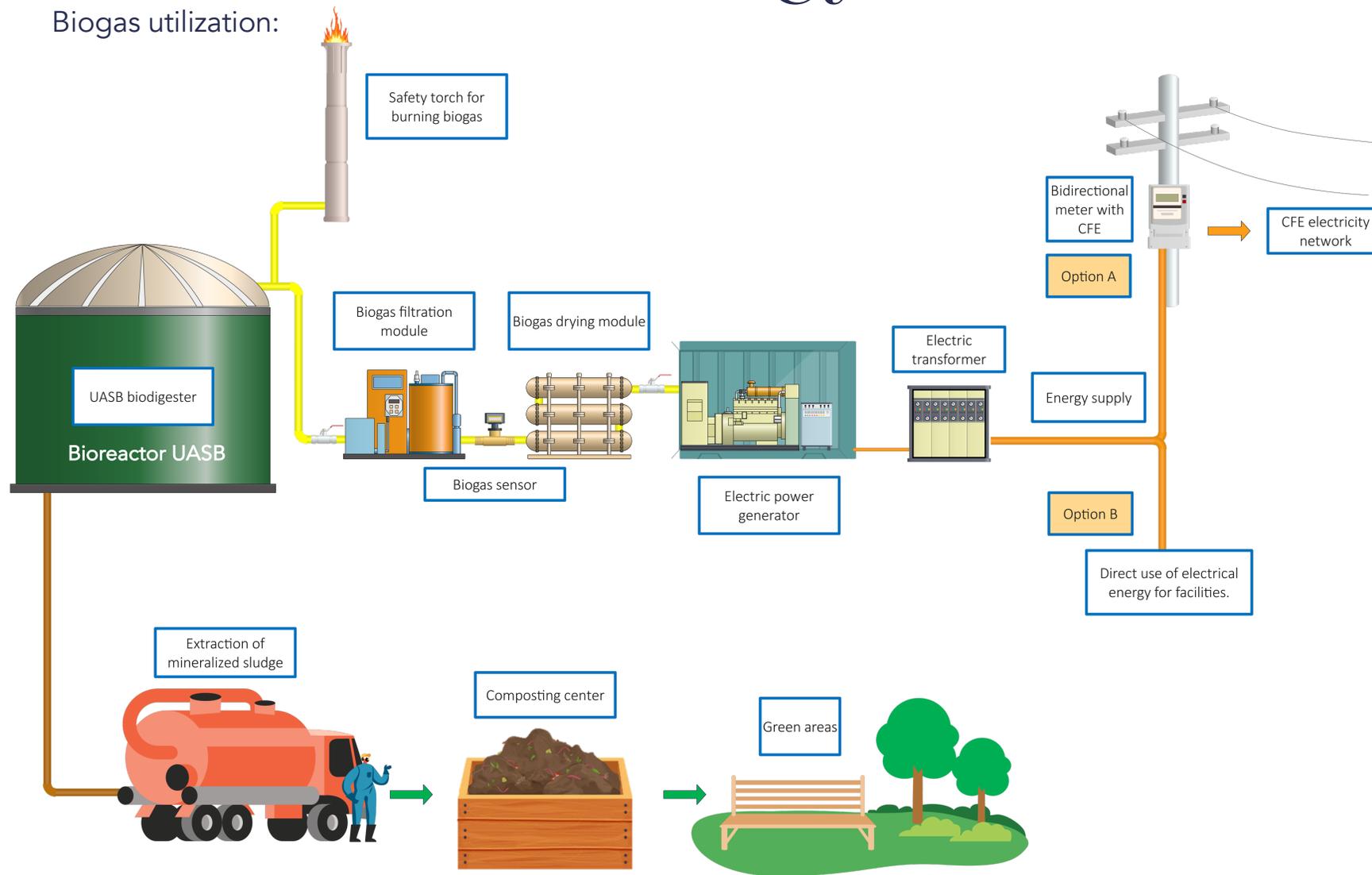
Solar – Wind – Hydro – Geothermal – etc.





Electrical energy

Biogas utilization:



OUR PRODUCTS





Prefabricated Wastewater Healing Plants

Prefabricated Modular Units

- Prefabricated wastewater healing plants for water re-use.
- 100% biological process. Requires no electricity. Low operating and maintenance costs.
- Easy to install and operate.
- Compact modular, made of high-density polypropylene with removable UV resistant lid.
- Circular and oval models.
- Ozone disinfection included.



Magnetic water conditioning

A cylindrical device made of stainless steel or PVC that uses magnetic fields with its permanent magnets, giving greater solubility to minerals to prevent scale buildup and limescale in your pipes.

Its use maintains the efficiency while reducing operating and maintenance costs, as well as energy consumption, ensuring sustainable performance and environmental benefits.



Prefabricated GFS tanks

(Glass Fused to Steel Tanks)

- Glass fused to steel (GFS) at a temperature of 820°C-930°C.
- We combine the flexibility of steel with the anti-corrosive properties of glass.
- Custom-made designs.
- Average lifespan of more than 30 years.
- Elegant design, available in a range of colors.

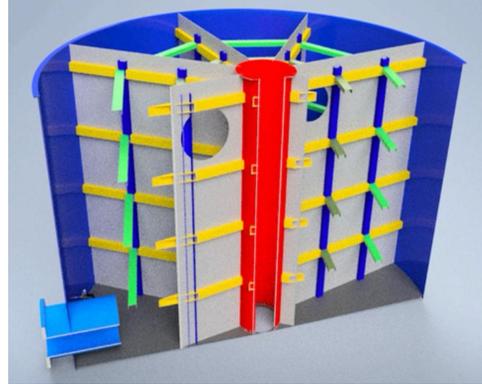
An innovative profitable, sustainable and environmentally friendly storage solution.





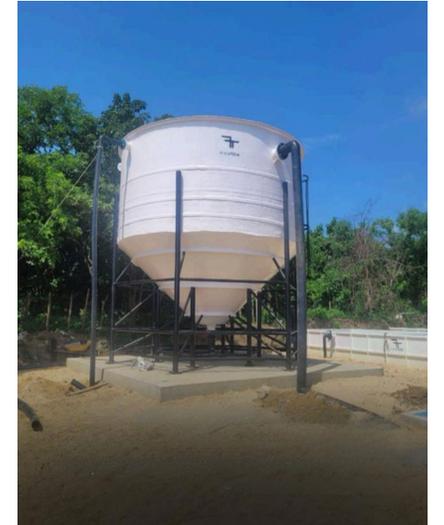
Prefabricated Assembled FRP Tanks

(Fiber Glass Reinforced Plastic Tanks)



- Fiber Glass reinforced plastic tanks are a viable sustainable solution.
- Tanks are fabricated by size and need (storage, treatment plants, superficial, underground).
- Custom-made designs for any use (liquid or dry) water, gas, petroleum, bulk storage and more.
- Average lifespan of more than 30 years.
- Elegant design in any color and a wide range of accesories available.

An innovative profitable, sustainable and environmentally friendly storage solution.



Probiotic cleaning products

Based on biotechnology

- Based on cutting-edge technology.
- Chemical-free.
- Up to 300 times more effective than traditional cleaners.
- No more irritations or allergies.
- Family and pet friendly.



OUR
BUSINESS PARTNERS

SOMOS

PURA



PURA is a Mexican company with international operations, specializing in water treatment and purification.

Its main focus is providing solutions for accessing quality water through purifiers and reusable bottles, promoting sustainable water consumption and reducing plastic pollution.

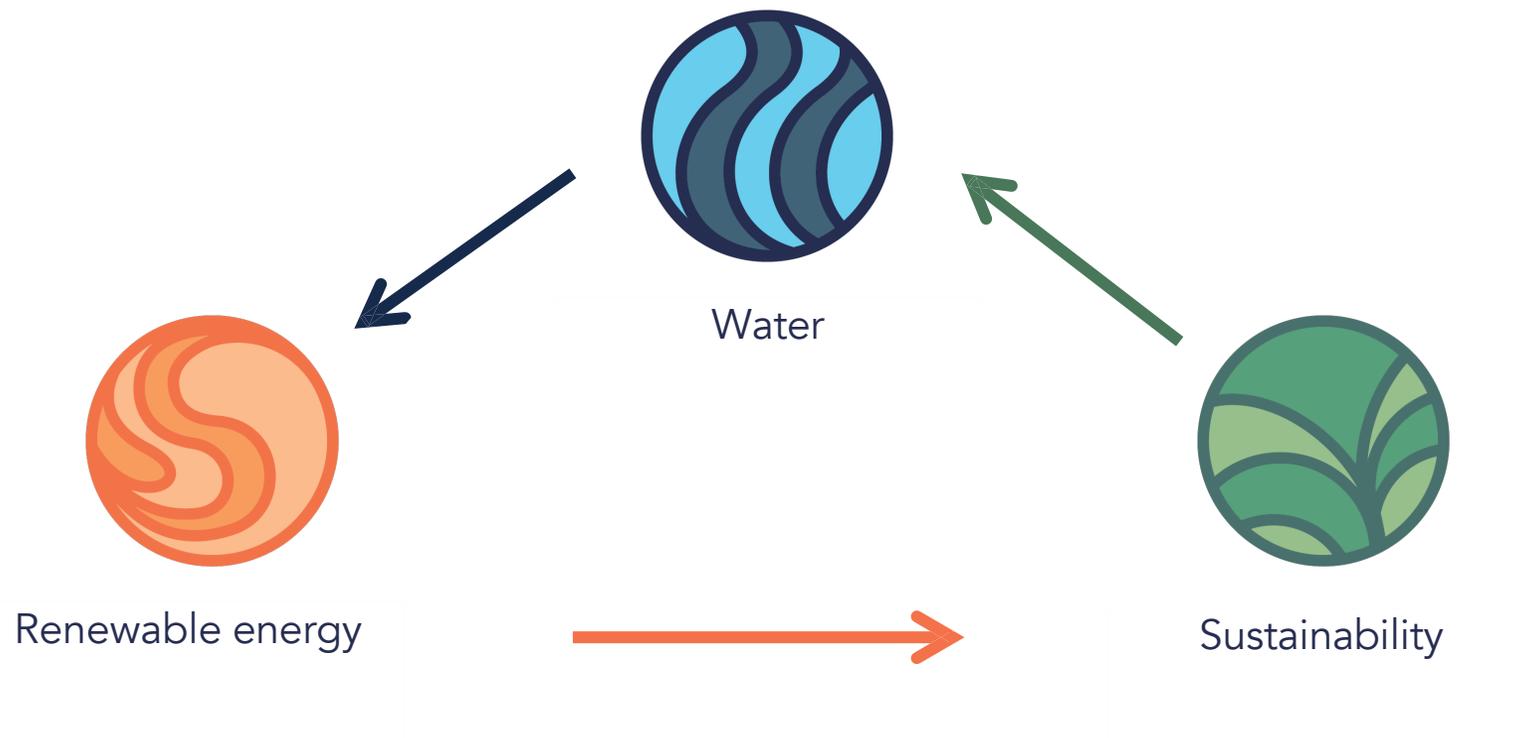
For decades, PURA has manufactured advanced ultrafiltration and reverse osmosis systems, offering unique benefits such as energy savings and water remineralization.

PURA Ultrafiltration – Osmosis with RE-MINERALIZATION



Water circularity

Our water-healing processes are leveraged used to their full potential, generating greater value through a circular approach that works in harmony with nature, promotes sustainability, and is integrated with renewable energy.



WATER CREDITS

WATER POSITIVE – AGUA POSITIVA “

“How to move toward a positive water approach”



Water



**WATER
POSITIVE**



¿WHAT CHANGES WITH THE NEW GENERAL WATER LAW?

- MEASURABLE – TRACEABLE – EFFICIENT – DOCUMENTED – ACCOUNTABLE.
- REQUIRES “TECHNICAL EVIDENCE” OF THE USE, TREATMENT, AND RETURN (OR RE-USE) OF WATER TO THE ENVIRONMENT.
- ACTUAL MEASUREMENT OF: EXTRACTION – PEAK CONSUMPTION – QUALITY – PROCESS EFFICIENCY.
- PROPER AND VERIFIABLE MAINTENANCE – CONTINUOUS OPERATION.
- MORE FREQUENT INSPECTIONS WITH A TECHNICAL FOCUS.
- STRONG REPUTATIONAL AND ECONOMIC IMPACT IN CASE OF NON-COMPLIANCE.
- REUSE AND REGENERATION ARE NO LONGER OPTIONAL.

REGENERATING WATER IS NOT JUST “SUSTAINABILITY”, IT'S A “TANGIBLE ADDED VALUE”

Our commitment:

We generate projects, solutions and alternatives tailored to your needs in a sustainable, friendly and environmentally respectful way.



- Projection, design and installation of sustainable wastewater healing management systems with renewable energy generation.
- Consulting services.
- Conceptual and detailed designs.
- Personalized guidance on renewable energy and wastewater healing.

We are in constantly learning to find the best solutions to heal our planet.

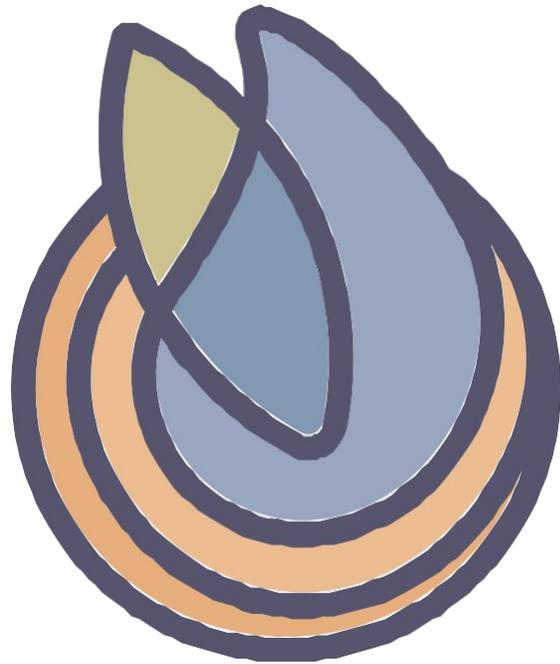
When we conserve water,

We preserve life

Water's future is in our hands

Re-use water

“Water, the source of life, a reflection of our commitment to sustainability and a shared treasure that unites humanity”



OUR SUCCESS STORIES

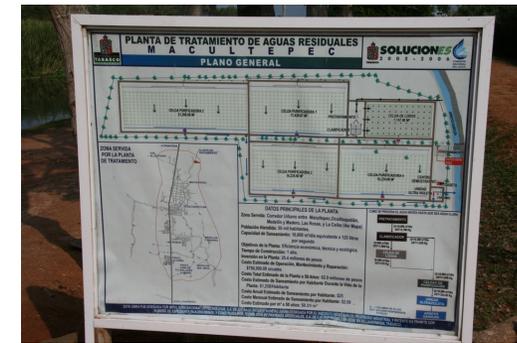


MACULTEPEC

PSAR 125 LPS | MaculTEpec, TAB, México (2005)

Design project and construction of a sustainable passive municipal wastewater healing plant (PSAR) with water quality compliant with NOM 003 SEMARNAT 1997, with a flow rate of 125 liters (33 gallons) per second. The process is based on constructed wetlands and a reedbed with **zero** energy. At the end of the process the reclaimed water is disinfected flowing through a UV channel.

The reclaimed clean water returns to natural water bodies and regenerates the entire surrounding biosphere including fauna and flora.





Rancho 3 Estrellas

PSAR 3 LPS | Tecate, BC, México



Executive project and construction of a sustainable passive wastewater healing plant (PSAR) with water quality compliant with NOM 003 SEMARNAT 1997, NOM 001 SEMARNAT 2021, and California Title 22, USA, with a flow rate of 3 liters per second.

Electricity is generated from biogas with bidirectional energy exchange with CFE (Mexico's Federal Electricity Commission), organic compost is produced, and water is re-used for irrigation of green areas.





Housing / Touristic development

Nuevo Vallarta, Nayarit, México

Executive design and construction of a 5 LPS sustainable passive wastewater healing plant (PSAR), with a "zero discharge" system, not connected to the municipal network. Water quality is based on NOM 003 SEMARNAT and NOM 001 SEMARNAT 2021. Heat energy is generated to heat a swimming pool, and water is re-used in an artificial lake and for irrigation.



Cajititlán Lagoon

Floating Wetlands | Cajititlán, Jalisco, México.

Executive project and installation of floating wetlands for gradual water healing quality of the lagoon.





Chivas stadium

PSAR 0.2 LPS | Zapopan, Jalisco, México.

Executive project and construction of a sustainable passive wastewater healing plant (PSAR) of 2 LPS with water quality superior to NOM 003 SEMARNAT 1997, NOM 001 SEMARNAT 2021 with the re-use of water in stadium facilities.





INTEL - Mexico

PSAR 2.4 LPS | Zapopan, Jalisco, México.

Executive project and construction of zero discharge wastewater healing plants (PSAR), of 2.4 LPS with water quality NOM 003 SEMARNAT 1997 and NOM 001 SEMARNAT 2021 for re-use in irrigation of green areas.





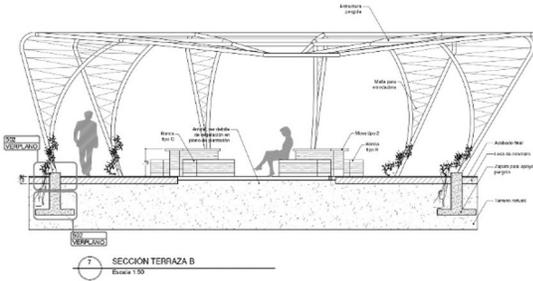
Irrigation water for golf course

PSAR 2.4 LPS | La Paz, BCS, México

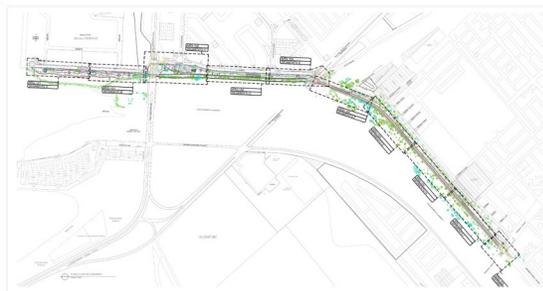
Executive project and supervision of the modernization of a traditional 45 L/sec (3,888,000 L/24hr) wastewater treatment plant into a hybrid plant, achieving significant electricity savings through the transformation of biogas into renewable energy. Complies with NOM 003 SEMARNAT 1997 and NOM 001 2021.



REUTILIZACIÓN Y RECUPERACIÓN DE LOS ESCASOS CUERPOS DE AGUA (DE LA CD. DE LA PAZ, B.C.S.) INFRAESTRUCTURA VERDE Y SU APROVECHAMIENTO SOCIAL "REFUGIO URBANO"



SECCION TERRAZA B
Escala 1:30



Alumbra Project

Linear park Cajoncito I PTAR improvement Municipality of La Paz

La Paz, BCS, México

Development of the detailed engineering design for the second phase of El Cajoncito Park and the La Paz Wastewater healing Plant. This includes water re-use for irrigation of the park's green areas. The design also includes the utilization of biogas for electricity generation and the design of the tertiary treatment system for the La Paz Wastewater Treatment Plant.





ICF Carcamo Project

El Esterito

La Paz, BCS, México

Preparation of an executive project for the modernization and to improve the operational efficiency of the El Esterito pumping station with a capacity of 90 LPS.



Agua Cabo Santos

Todos Santos, BCS, Mexico Proyecto

Executive project for wastewater healing PSAR 30 LPS,
modernization of a treatment plant and distribution and storage
of drinking water, wastewater and healed water.





Wastewater Healing Plant “Rancho La Puerta”

Tecate, BC, Mexico

Sustainable passive municipal wastewater healing of 30 liters per second (LPS) using anaerobic digestion and constructed wetlands, with significant energy savings through the conversion of biogas into renewable energy.

Compliance with NOM-003 and Title 22 for California, for re-use in irrigation. With the option in the coming years to treat a portion of this water to NOM-003/Title22 standards for drinking water (NOM-127).

Construction of interconnected artificial lakes linked by a stream, enabling the use, recirculation, and storage of healed water for irrigation purposes.



In cooperation with:



intel. M



Coca-Cola

Las Jaxas
Agua termal

HYATT



TEQUILA
ELTEQUILEÑO



JSa

Javier
Senosiain
arquitectura orgánica

Hines

Turner intra

HKS



RAFFLES

Alumbra innovations
Foundation





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“WATER IS LIFE.”



We lead. Water

Grupo
Requilibrium®

