ITOCO

ALL THE ANSWERS ARE IN NATURE

TRANSFORM CO2

REHABILITATING UNPRODUCTIVE ARID LAND INTO AN OASIS

Right now, all of humanity has an unprecedented challenge.

That challenge is to restore the balance of nature to its original form eliminating toxic emissions from the atmosphere and diverting climate change from irreversible damage.

A critical component to solving that challenge is large-scale land refurbishing. Imagine unproductive lands and deserts turn into green oases, thriving with plant and animal life; A world where land rehabilitation provides us with renewed hope for a solution to climate change. Imagine government and corporate citizens working toward a circular economy that promises a win-win for the environment and the people.

Land rehabiliation is the future.

CACTUS FARMS

THE NATURAL CO2 CARBON CAPTURE NET-ZERO SOLUTION

Advanced governments and corporations will be looking to support the reduction of CO2 emissions and want to build holistic economies of scale in a way that serves all of humanity, naturally and safely.

As we watch the world temperatures rise and witness wild storms, fires, and floods are wreaking havoc around the globe, we all know the time for change is right now.

The climate catastrophes around the globe are more destructive than we have experienced, and they are beyond anything we can control.

Mother nature has spoken. We are listening.

MEET CARBON GOALS

NOPAL CACTUS CAPTURES CARBON AND PERMANENTLY STORES IT UNDERGROUND

Biologically we know that trees and other plants offset carbon emissions and can be instrumental in removing carbon dioxide so that we can keep global warming below 1.5 C degrees.

Afforestation is a solution that will be widely adapted however it has posed problems in that it requires a lot of water and surface area to develop. C02 removal is not guaranteed with all trees and plants, because when they die, they release C02 back into the atmosphere.

With no clear answer for carbon capture and storage, Scientists and others had to think about a solution in new and creative ways. Incredibly, the answer came from land refurbishing and farming the Nopal Cactus.

Cactus grows in the desert, where there is a lot of available land. They require little water and have a unique way to capture carbon and store it permanently underground.

That was a game-changing discovery.

REACH NET-ZERO

NOPAL CO2 CARBON CAPTURE IS NATURAL, PERMANENT AND NON-EVASIVE.

Succulents like the Nopal Cactus are highly efficient at removing carbon dioxide from the atmosphere. They are perfectly designed, by mother nature, to photosynthesize and decarbonize the atmosphere simultaneously.

The underside of Cactus plants leaves has tiny holes in them. With a microscope, you see that these tiny holes. They are called Stomata. When the stomata are open, they allow carbon dioxide to enter the leaf and photosynthesis occurs.

In essence, the Nopal Cactus is a highly sophisticated CO2-sucking plant. It captures carbon from the atmosphere every night and uses it for photosynthesis during the day. And if that were not magical enough, when a cactus dies, unlike trees and other plants, it does not emit carbon dioxide back into the atmosphere. Nopal Cactus stores the carbon underground through its root formation.

The Nopal Cactus solution is natural, permanent, and non-evasive. This Cactus farming solution is the way forward to a carbon net-negative economy.

CACTUS ECONOMY

ITOCO: DEVELOPERS OF THE 360 NOPAL CACTUS ECONOMY

Understanding the impact of the Nopal Cactus on the environment, visionary company ITOCO set out to create a sustainable carbon sequestration farm in Mexico.

The ITOCO Cactus Farm is lucrative. It proves that arid lands could produce carbon-reducing crops and provide a circular economy where all stakeholders win.

ITOCO strategically established fast-growing Nopal Cactus farms and illustrated how rapid arid land rehabilitation was possible. The Nopal Cactus farm removes toxic emissions from the air and supports local communities with jobs, cactus products, fruit, and more.

ITOCO's sustainable cactus farming project and ability to rehabilitate large-scale landmasses into productive ecosystems are the way of the future. Imagine the possibilities. Think deserts, barren lands, and high-temperature regions that are currently underutilized. For arid and semi-arid lands, there is a massive opportunity here.

CO2 LEADERS

With the development and implementation of climate-smart agriculture, the Nopal rehabilitation farm provides renewed hope for arid and semi-arid regions. It supports the populations of those regions that may have otherwise been struggling with regional adaptations.

The Nopal smart-climate agriculture project is an opportunity for healthy people, healthy communities, and healthy economic benefits, all in one. This project is the epitome of a 360-Cactus economy.

ITOCO is now one of the most innovative companies in Carbon Sequestration in the world. ITOCO, having worked with over 10,000 farmers on tens of thousands of hectares of land, their Nopal Cactus production is now serving customers with organic fertilizer and clean energy production in several Mexican states.

Through a hybridization process and a rigorous genetic selection of more than 15 species of Cactus, and six years working in the field, the ITOCO team increased crop production from 150 tons per hectare to 600-900 tons per hectare per year. This result means exponential carbon sequestration and carbon removal from the air.

President and visionary of ITOCO, Michael Paul says, “We believe we have one of the most cost-effective and environmentally friendly ways to rehabilitate arid and desert lands. Our methods do not require huge amounts of desalination (energy), power generation, infrastructure spending, or groundwater pumping. We can produce profitable crops virtually from the outset. We bring a sustainable CO2 Credit exchange opportunity to countries around the globe that have arid climate conditions. This project supports carbon exchange, social security, food security, employment, carbon sequestration, sustainable agriculture, biodiversity conservation, clean energy production, and afforestation. This project is a win-win solution for everyone involved.”

CLIMATE & COP 26

ITOCO AT COP 26
CLIMATE CHANGE CONFERENCE

ITOCO Director Teresa Tattersfield recently spoke about the Cactus Economy at COP 26, the annual United Nations Climate Change Conference held in Glasgow, UK. While Europe is aggressively implementing Carbon reduction programs, ITOCO will use a natural source of carbon reduction that will also rehabilitate arid areas of the continent and provide a sustainable circular living solution.

Mexico has endorsed the Paris Agreement adopted at the twenty-first session of the Conference of the Parties to the United Nations Framework Convention on Climate Change and is taking action to mitigate its Green House Gas emissions under the Land Use Protocol of the United Nations by 2030.

The ITOCO Program in Mexico has demonstrated Nopal Cactus farming innovations leverage the superb adaptation to dry and arid landscapes which provide carbon credits at an accelerated pace in under twelve months. It is a winner for our environment and our people.

360-CACTUS ECONOMY

GOVERNMENT & CORPORATE OPPORTUNITY: REACH SUSTAINABLE GOALS

With our global population now at more than 7 billion people and projected to be at 9 billion by 2030, we are using more energy, food, and resources than the planet can provide. Our future depends on being innovative, working smarter, reusing, and recreating the world's resources in sustainable ways.

The Nopal smart refurbishing project is an opportunity for healthy people, healthy communities, and healthy economic benefits, all in one. It is truly a circular Nopa Cactus economy. The Nopal Cactus program is a natural government and corporate initiative that will serve communities for years to come.

SMART BUSINESS

5 REASONS WHY THE NOPAL FARMING SOLUTION MAKES SMART BUSINESS SENSE

- For climate-savvy governments, corporations, and investors, the Nopal Cactus project makes good business sense.
- The Nopal Cactus can be eaten, has superior health benefits, bears fruit, and can be used as livestock feed, biofuels, fertilizer, and other applications like cosmetics, alcoholic drinks, food additives, and other pharmaceutical adaptations.
- These days, people often prefer to buy products from sustainable companies. Consumers want to see a commitment to the community and environment than any other product; this is a sign of more conscious times.
- Scientists believe that the capacity to offset carbon emissions is ten times higher in Cactus than carbon fixing by tropical rain forest. The Nopal Cactus can trap up to 30 tons of carbon dioxide per hectare per year. This project delivers $800,000 worth of carbon per thousand hectares in 12 months. Many believe that the Nopal Cactus has the highest ability to remove carbon dioxide from the air over any other plant on earth.
- The Nopal Cactus helps contain water and mud, and therefore it can be used as a living fence to combat winds, erosion, and desertification for other crops to grow simultaneously.
- The Nopal Cactus carbon sequestration and its many products and health benefits make it a world-leading solution for sustainable development, achieving a net negative result.

THE NATURAL SOLUTION

THE ITOCO OPPORTUNITY FOR PARTNERSHIP AND CONTRIBUTION

Micheal Paul says, “Our project provides quality employment in areas that are currently non-productive. It provides a good income and jobs to people in communities in remote areas with less opportunity. The unique carbon-reducing element of Nopal is a wonderful by-product of Nopal farming that is an incredible air cleanser. By planting Nopal in certain ways, we can encourage the growth of other plants, further greening formerly arid or desert areas. It is a dynamic project overall.”

Governments and large-scale landholders are invited to partner with the ITOCO to transform underutilized arid lands into mega-opportunity and infrastructure.

The Nopal Cactus Farms are an innovation whose time has come.

Interested parties wanting to earn carbon credits to achieve net-zero, develop arid regions and transform desert land into agriculture opportunities, or serve the world in a better way contact: ITOCO.net

CLIMATE OPPORTUNITY

MASSIVE OPPORTUNITY
FOR CLIMATE CHANGE ACTION

CHOOSE YOUR
CARBON REDUCING OPTIONS:

GAIN CARBON CREDITS
BE RESPONSIBLE WITH CARBON
BUILD A CATUS FARM & ECONOMY
REHABILITATE ARID LANDS
SUPPORT LOCAL ECONOMIES
INVEST IN SUSTAINABLE PROJECTS
TAKE CLIMATE CHANGE ACTION FOR GOOD

OR ALL OF THE ABOVE....
PLEASE CONTACT: ITOCO.NET