بسم الله الرحمن الرحيم

MSB eUniversity Self Sustaining Dairy Village Campuses

Organic Food & Waste to Value Technologies maintained by EMBA in Entrepreneurship Professionals

1. Introduction to TQLMA
2. Aeroponic Feed System
3. Waste to Energy Technologies
4. Space Foundation Certified Technology
5. MSB EMBA powered Dairy Villages

Introduction

Total Quality Life Maintenance Associates Our Story:

TQLMA Group of Companies was created at Institute of Business Management as an Incubation Company to inculcate Total Quality Life Maintenance Processes in Middle Class Families and SMEs of our World.

TQLMA is a leader in cutting edge technology in the combined fields of agricultural, hydroponics, and renewable energies. With our current efforts our company is on the verge of some explosive growth and we would like to share this information with you!

There are a lot of companies out there that have ideas on how to address many of the issues that our modern society is dealing with. For example; food shortages, energy issues. Well TQLMA not only has ideas, but we are on our way to implement our Innovative Life & Business Maintenance Processes Globally.

TQLMA Technology Associates are integrating the Current Best Processes in MSB eUniversity on-campus Organic Dairy Village Hybrid Power Industrial Parks in Pakistan, USA, Canada, Middle East & Africa .

TQLMA is already working on processes to realize the funds to develop MSB eUniversity Dairy Village Hybrid Power Campuses worldwide via US$ Ten Million PAK & FRESH Milk and Dairy product s sales in Karachi & JV Associations.

- The Model Texas Farm will train the MSB eUniversity EMBA in Entrepreneurship students from families of SMEs and Dairy Farmers to build the 7500 Heads Dairy Village Hybrid Power Halal Food Industrial Park campuses worldwide.
- The Karachi –Texas project will be launched by enrollment of One Thousand EMBA in Entrepreneurship students .

OBJECTIVE

TO ENABLE GLOBAL FAMILIES TO ENJOY Total Quality Life via LEAN LIFE & Business MAINTENANCE Strategy powered by TQLMA Group MSB eUniversity HALAL Food, Finance & Education @ Global Dairy Village Campuses

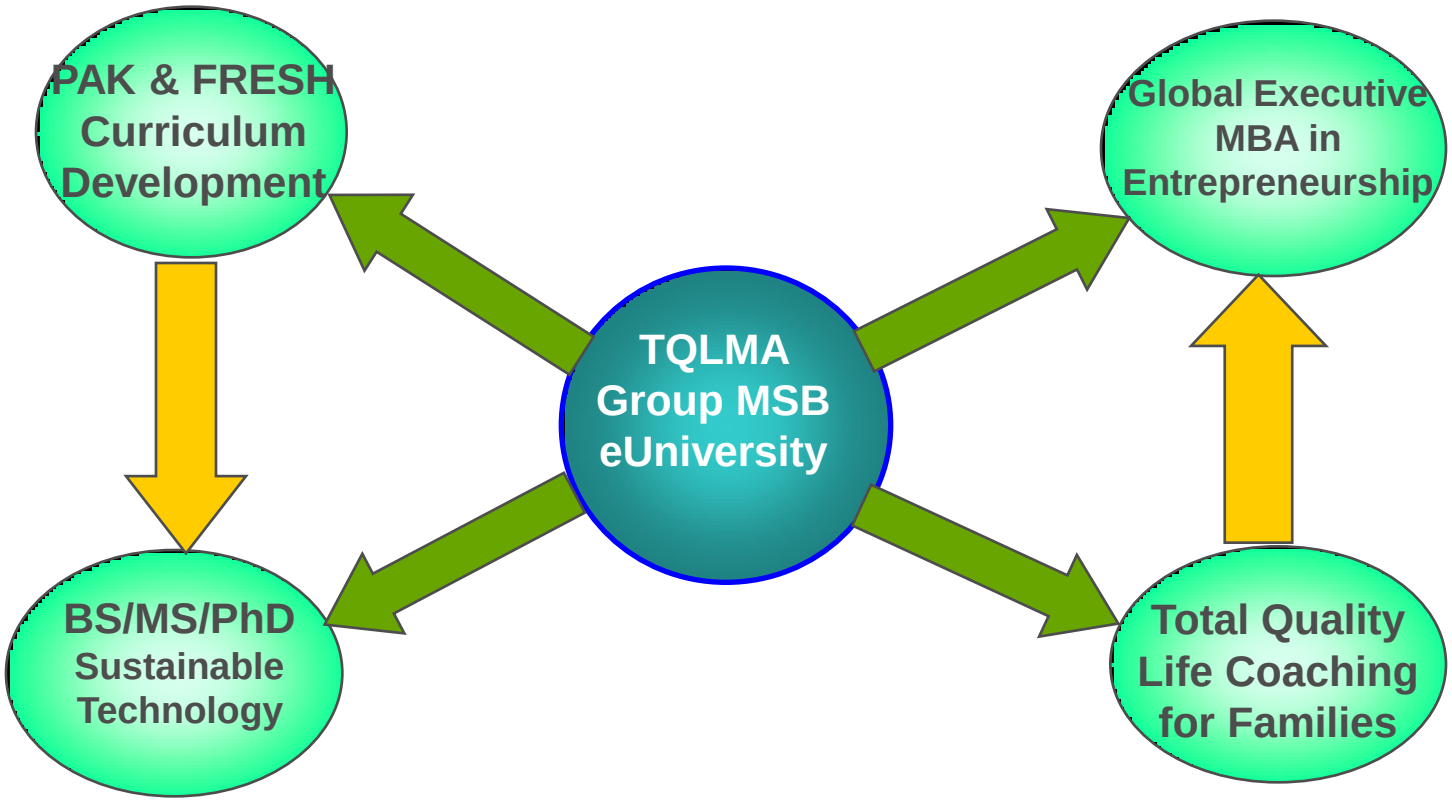
Vision

Integrate Current Best Affordable Technologies & Services for Total Quality Lean Life of Families & Businesses of our World

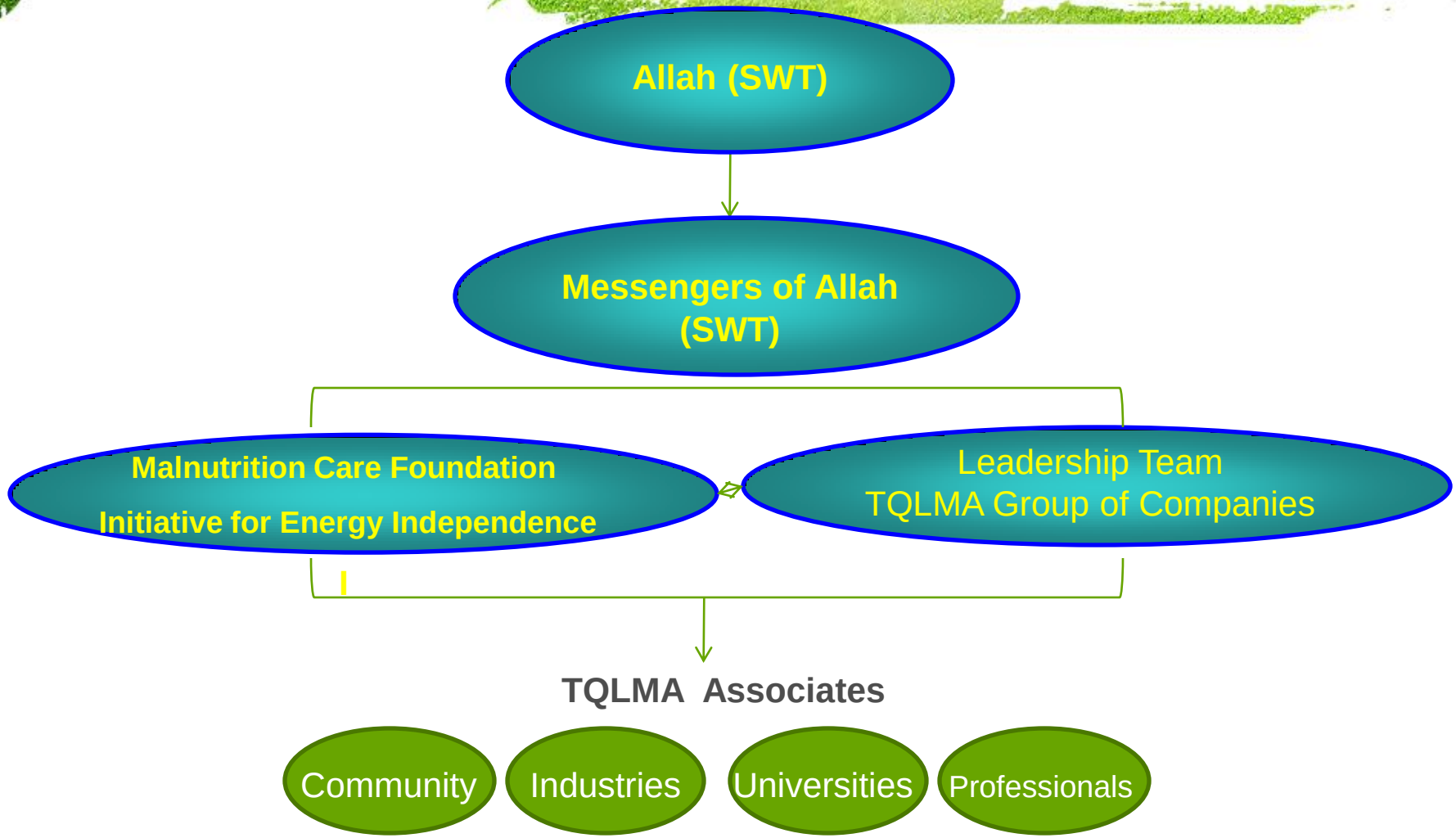
Mission

SPREAD SMILES through ECONOMIC VIBRANCY of Families and Businesses via HALAL ENTERPRENEURSHIP with Traction & BENCHMARK HALAL Products & Services

MSB eUniversity Holistic Education System



TQLMA Group Holistic Business Process



Total Quality Life Maintenance Associates

Associate Companies

Energime
Self Sustaining Technologies

MSB Global eUniversity
Sustainable Technologies & Entrepreneurship Education with Traction

Reliable Energy Savings Inc.
Energy Conservation and GREEN Energy Generation

SMB Environmental Project Pvt. Ltd.
Environmental & Chemical Engineering Consultants

Monolithic
Disaster proof Building System

Institute for Leadership & Global Education
Leadership Trainer in TQLMA Global Executive MBA in Entrepreneurship

Pure Water Corporation
Innovative Water Purification Solutions

Caley Aerospace Inc. powered MSB Global Airline
Total Quality Cargo & Passenger Service for Families, Professionals & Entrepreneurs

Biontics Integrated Dairy & Cattle Farm Management
Total Quality Natural Food Value Chain

Regional Neighborhood Community Development Corporation
Economically Nursing the Communities back to Health

TQLMA Leadership Team

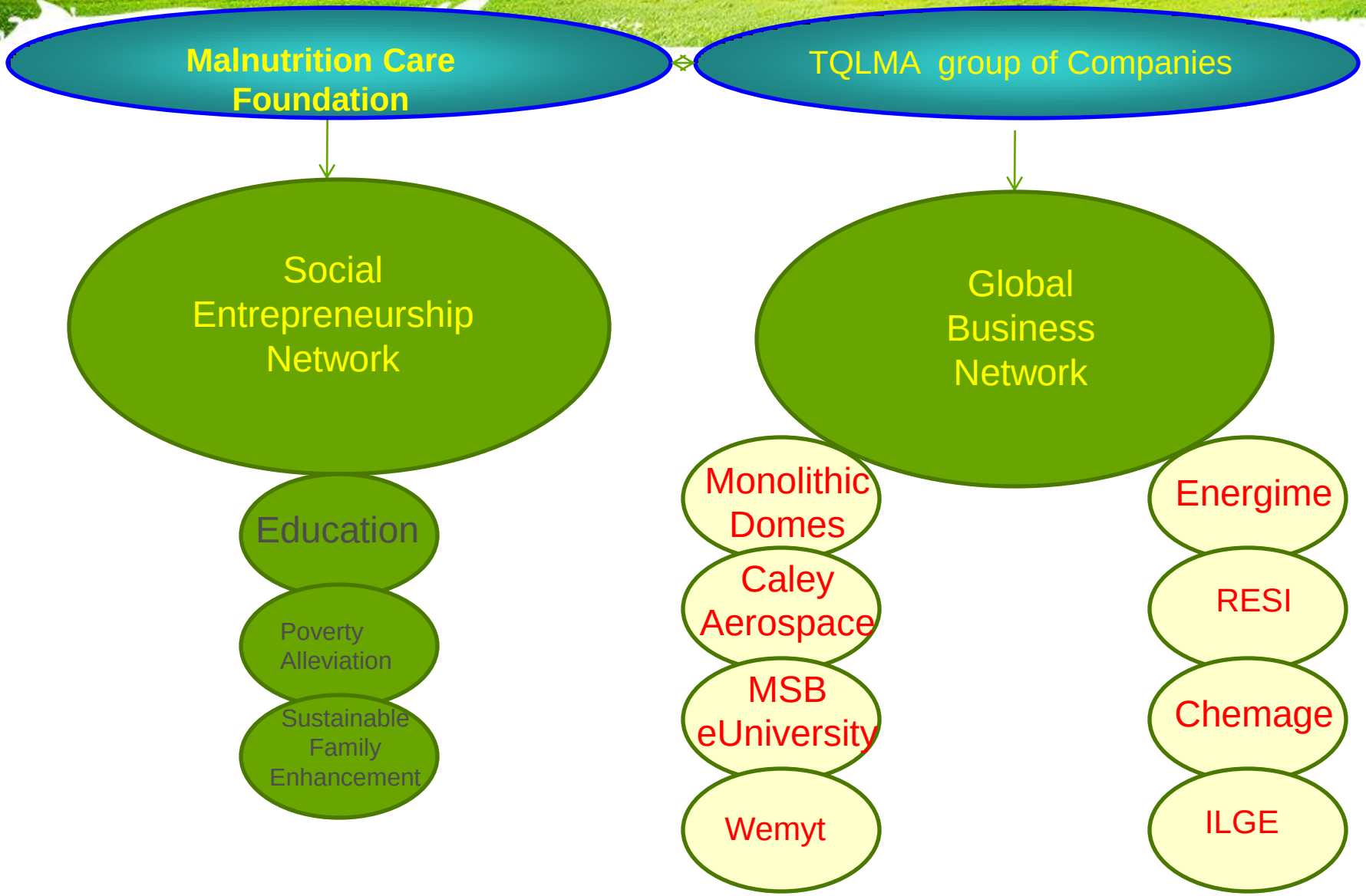
Dr. Mufaddal Mirza	President & Chief Knowledge Coach
Burhanuddin Taskeen	Environmental Friendly Chemical Engineer
Hashim Arastu	Global Technical Director
Shaikh Irfan	ERP Value Chain Coach
David South	Disaster-Proof Building System Expert
Bill Sosinsky	President – Energime University
William Danshin	Water Technology Expert
Jay Dubinsky	Director – GREEN Technologies
Hashim Adil	Mind Science NLP Coach
Dr Asher Rasheed	Cattle & Dairy Farming Expert
Joseph Roberts Sr.	Social Entrepreneurship Coach


TQLMA
Strategy

Strategy to THRIVE in 2015+

GLOBAL SOCIAL Entrepreneurship via PAK & FRESH

Education & Natural Food Value Chain


Malnutrition Care Foundation
TQLMA group of Companies
Social Entrepreneurship Network
Education
Poverty Alleviation
Sustainable Family Enhancement
Global Business Network
Monolithic Domes
Caley Aerospace
MSB eUniversity
Wemyt
Energime
RESI
Chemage
ILGE

INNOVATIVE Family Development Process

- **Enhance FAMILIES & COMMUNITIES to enjoy QUALITY in all aspects of Personal & Professional LIFE via Self Sustaining**

  TQLMA Life & Business Maintenance System.

- Enable SMEs & Farmers desiring

  WORLD CLASS PEERFORMANCE

  via MSB eUniversity EMBA in Entrepreneurship maintained Self Sustaining Industrial Parks & Halal Food Value Chain in USA, Pakistan, Middle East & Africa..

Self Sustaining Financial Model

The MSB eUniversity US$110/Year member Families & Businesses can enjoy Sustainable Income via MSB eUniversity Dairy Village Halal Food Industrial Parks and Tri-Cycle /SMART Community Center Franchise maintained by Global Executive MBA in Entrepreneurship Graduates from member families with an investment of US$25300 to attend the Launch session in Texas.

Deposits can be made in Equivalent PAK Rupees in Total Quality Life Maintenance Associates Account # 0121-20311-121228 in North Napier Road Branch of Habib Metropolitan Bank

Total Quality Life & Business for All Stakeholders

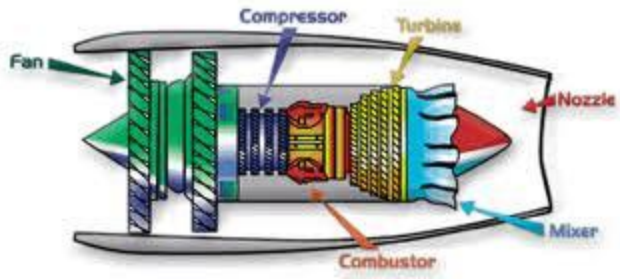
• EMBA in Entrepreneurship will acquire Entrepreneurship Education to develop, co-own and operate the Family Business at graduation.

• The Family Business will be organized via ERP/NLP integration to assure guaranteed Performance Enhancement and globalization via Business ownership in USA.

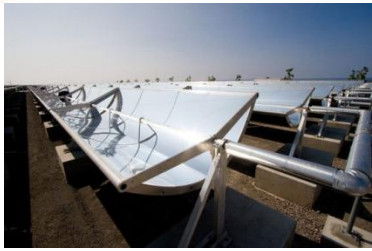
•TQLMA assures Healthy Body & Mind of member families via Space Foundation Certified Water System, Organic Milk, Honey and Natural Food Products.


TQLMA Group
Global Associate
Companies

Energime Group



- 60 MW Production on 250 Acres & 7500 Heads Self Sustaining Dairy Village Campus from Waste, Wind and Red Sun



Some DELIGHTED Clients

We have DELIVERED the RESULTS and we plan to IMPROVE performance at your site

Our **"Productivity improvement"** coaching via Total Quality Lean 6-Sigma Kaizen Management Strategies **ASSURES** Savings in **Operations & Procurement Cost**

Energy Conservation Services

RE$I specialize in improving "Energy Efficiency" for electricity and gas – Typically about 57% of the energy generated is wasted. We can reduce the Utility Bill from 6 – 30% with a ROI of 30-66% or a payback of 18-40 months.

A/C Refrigeration	12 - 40%
Lighting	20 - 50%
Equipment	2 - 18%

RE$I has teamed up with TQLMA to provide "Renewable Energy" solutions via Power Generation from Solar Thermal, Wind and Bio Fuels.

RE$I

EASI
ENERGY AUTOMATION SYSTEMS INCORPORATED

TQLMA powered MSB eUniversity

- Total Quality PAK & FRESH Curriculum
- Campuses at Worldwide Dairy Villages
- Training in Sustainable Technologies
- NLP powered Family Entrepreneurship with Traction in GEMBA
- Business Co-Ownership at graduation
- Ownership of Dairy Farms and Industry in Dairy Village Industrial Park
- Global Business via Business acquisition and Immigration to USA.

Monolithic Building System

- Disaster Proof Construction Technology for SAFE Low Cost Housing to rehabilitate victims of Earthquakes, Hurricanes and man-made disasters..

AWARDS of TQLMA Group Companies

Winner of the

Export Brands of the year Award ©

IT'S ALL ABOUT CHAMPIONS

"High Performance Organic Feed Systems without Pesticides"

"Saving 97% of the water and costing 50% of normal feed prices"





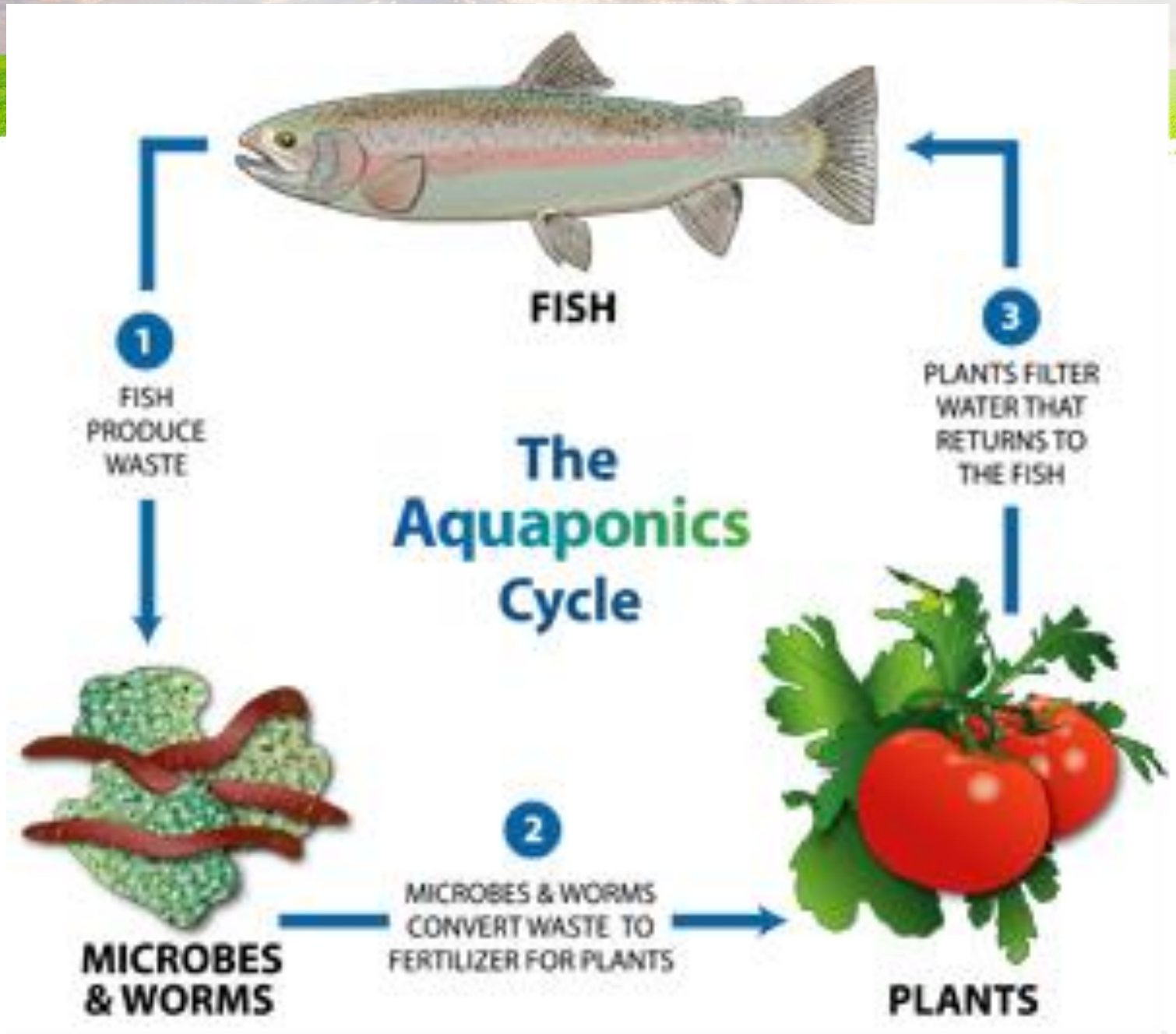


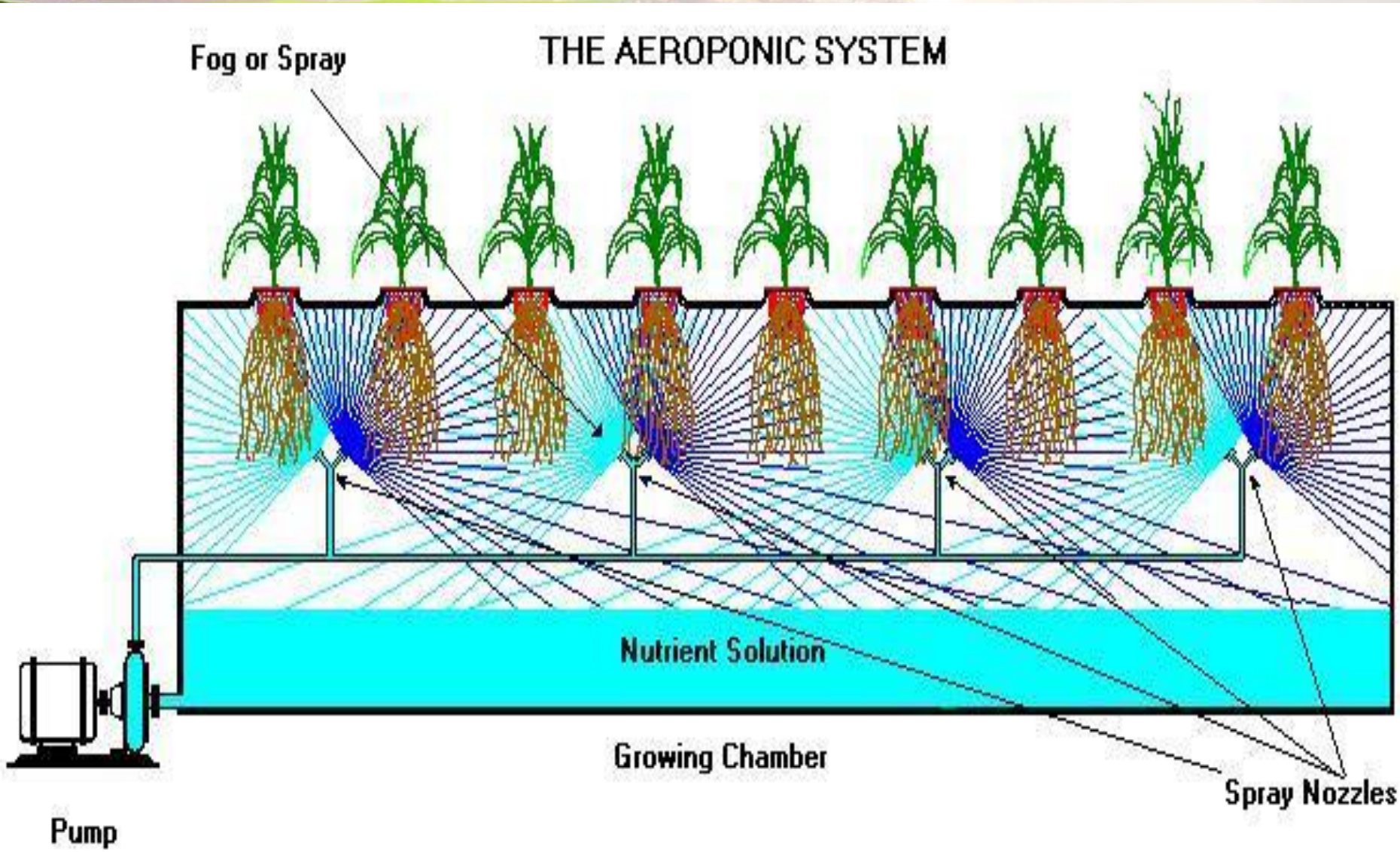


Aeroponics involves growing plants in a mist environment without using soil or an aggregate medium, which is commonly known as hydroponics. *Vitruvian Gardens* manufactures and supplies aeroponic growing units to farmers in the agriculture sector with options for animal farms to process manure. Available in standard sizes ranging from 280 to 10,000 kg a day of production

Makes urban farming possible!

Compared with traditional growing methods that require at least 80 ℓ to 90 ℓ of water for every kilogram of fodder feed harvested and a growth period of 8 to 12 weeks, the fertigated aeroponic grow units requires less than 2.5 ℓ of water for every kilogram of fodder feed grown and only has a harvesting output period of seven days. “In addition, growing 10 tons of barley sprout fodder feed a day using conventional method requires 1280 ha of land, whereas the aeroponic method requires only 2,000 m² to produce the same yield.”


FISH
1
FISH PRODUCE WASTE
3
PLANTS FILTER WATER THAT RETURNS TO THE FISH
The Aquaponics Cycle
2
MICROBES & WORMS CONVERT WASTE TO FERTILIZER FOR PLANTS
MICROBES & WORMS
PLANTS


THE AEROPONIC SYSTEM
Fog or Spray
Nutrient Solution
Growing Chamber
Spray Nozzles
Pump

Increase Animal Production by 3 x's!

A farmer feeding cattle with aeroponic barley green sprout fodder could sell 200 head of cattle up to three times a year, compared with a farmer who uses good paddock grazing methods who can only sell 200 head of cattle once a year.”

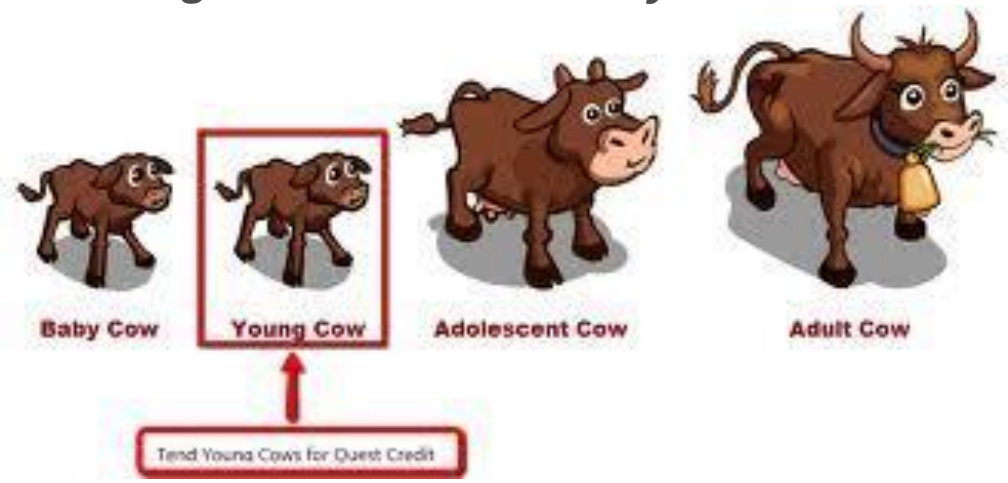
Performance of Dairy Cows

With a ration of fresh hydroponic barley grass, maximum performance is achieved due to better assimilation and digestibility of its daily feed. cows will generally eat between 6 - 10 Kg of sprouts per day, depending on the cow's weight

Performance in the Dairy Output

Sprout feeding is a good way to provide organic vitamin C in times of stress and for dairy cows increasing butterfat content by 14%.

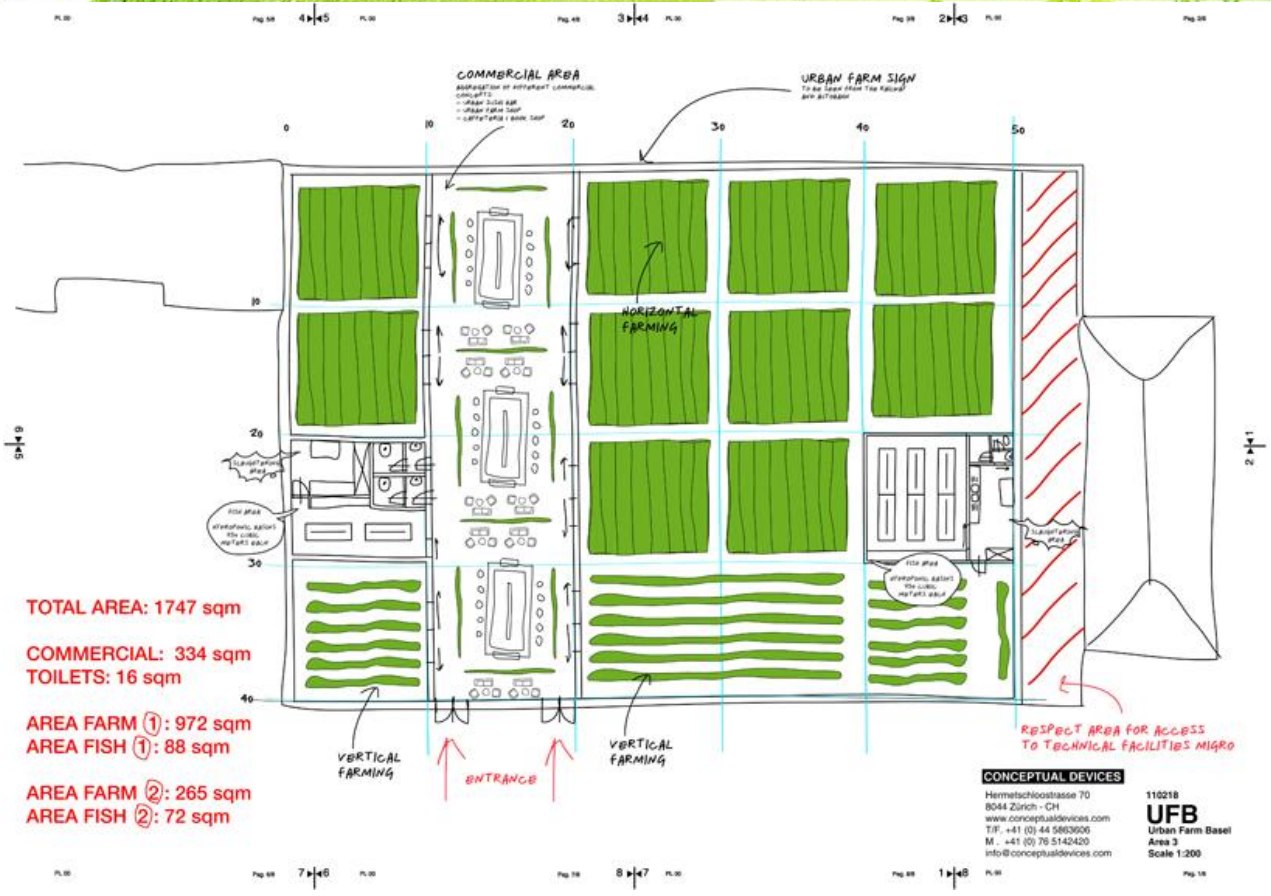
Although sprouts contain fewer mega joules (or calories) per kilo, the energy is in a more digestible form for the dairy cow than the grain from which it came.



Automated Systems for Beginners

Growing barley in the conventional manner can only yield a crop once a year while this system can produce barley sprouts for feed 365 days a year. Under feedlot conditions, producing 46 crops per year vs. 1 crop per year in UK!

2000 m2 replaces over 1280 ha grazing land.



Turnkey Computer Controlled Automation Saves Labor

Waste to Energy Technologies

Changing the Waste Perspective

The Mission

Solving Waste Management Across Multiple Sectors

Agricultural

Municipal

Industrial

Taking Advantage of Organic Waste

Food Waste

Anaerobic Digestion

Electricity

Fuel (CNG)

Anaerobic Digestion
Breaking Down the Process

Naturally occurring biological process

Microorganisms break down biodegradable material in the absence of oxygen

Methane, carbon dioxide and water are produced (biogas)

Biogas
“On Demand” Renewable Energy

Biogas is the most **multi-talented of all the renewable energies, as it can** produce electricity, heat and fuel. It’s not subject to changes in weather, allowing for continuous production.

Biogas Production Process
The Basics

1. Input
2. Process
3. Product

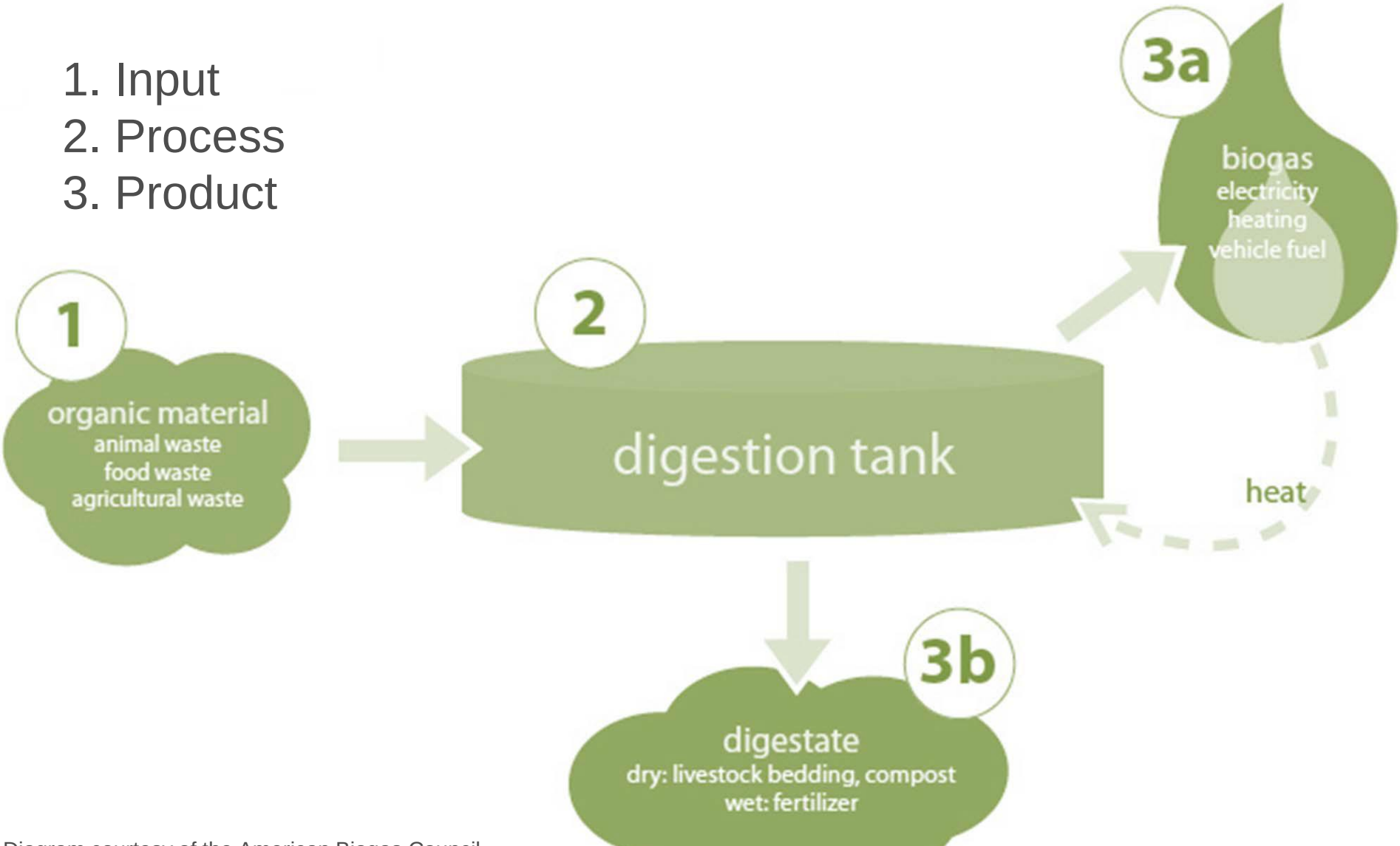
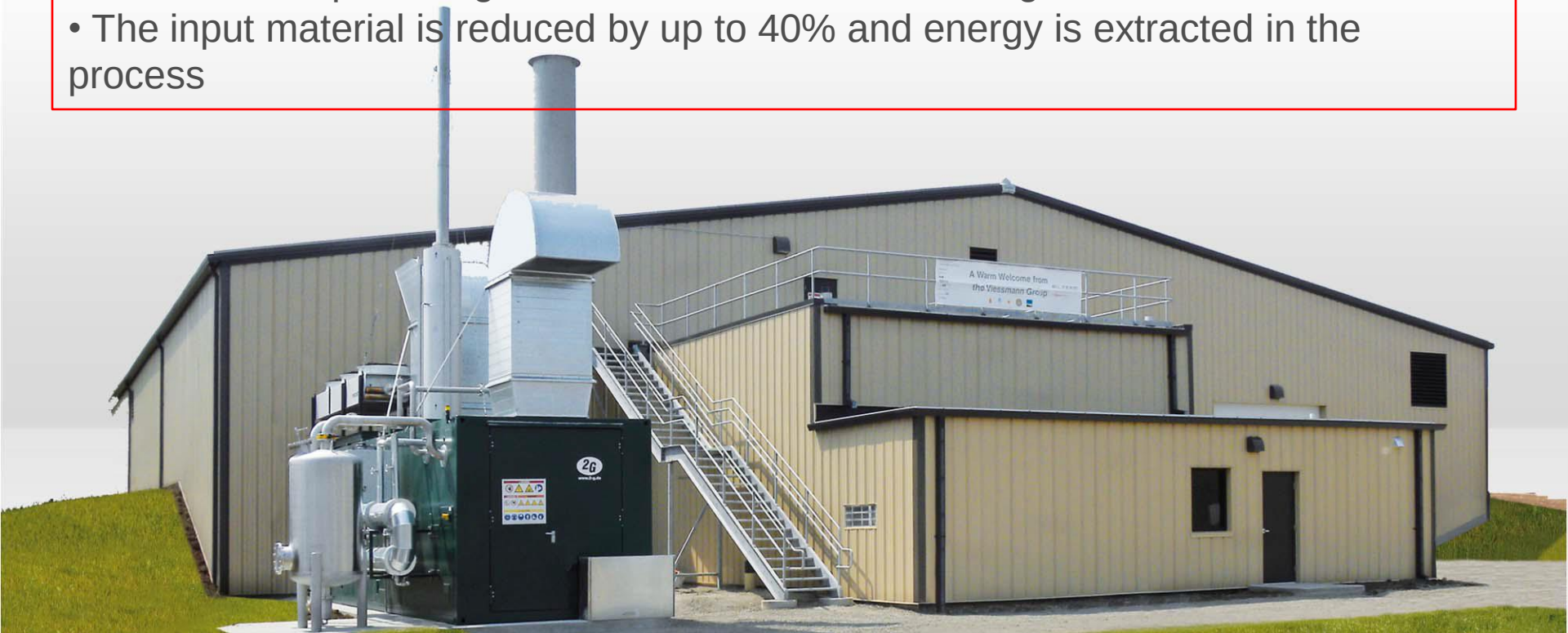


Diagram courtesy of the American Biogas Council

Municipal and Waste Management
Dry Fermentation System

- The BIOFermTM industrial grade dry fermentation anaerobic digestion process uses organic input materials to produce biogas
- A batch system - reloading on a 28 day cycle
- Minimal additional water required
- Material stays stationary, while bacteria (percolate) is sprayed over it to accelerate the decomposition process
- Percolate seeps through the biomass and is reused again
- The input material is reduced by up to 40% and energy is extracted in the process



Municipal and Waste Management
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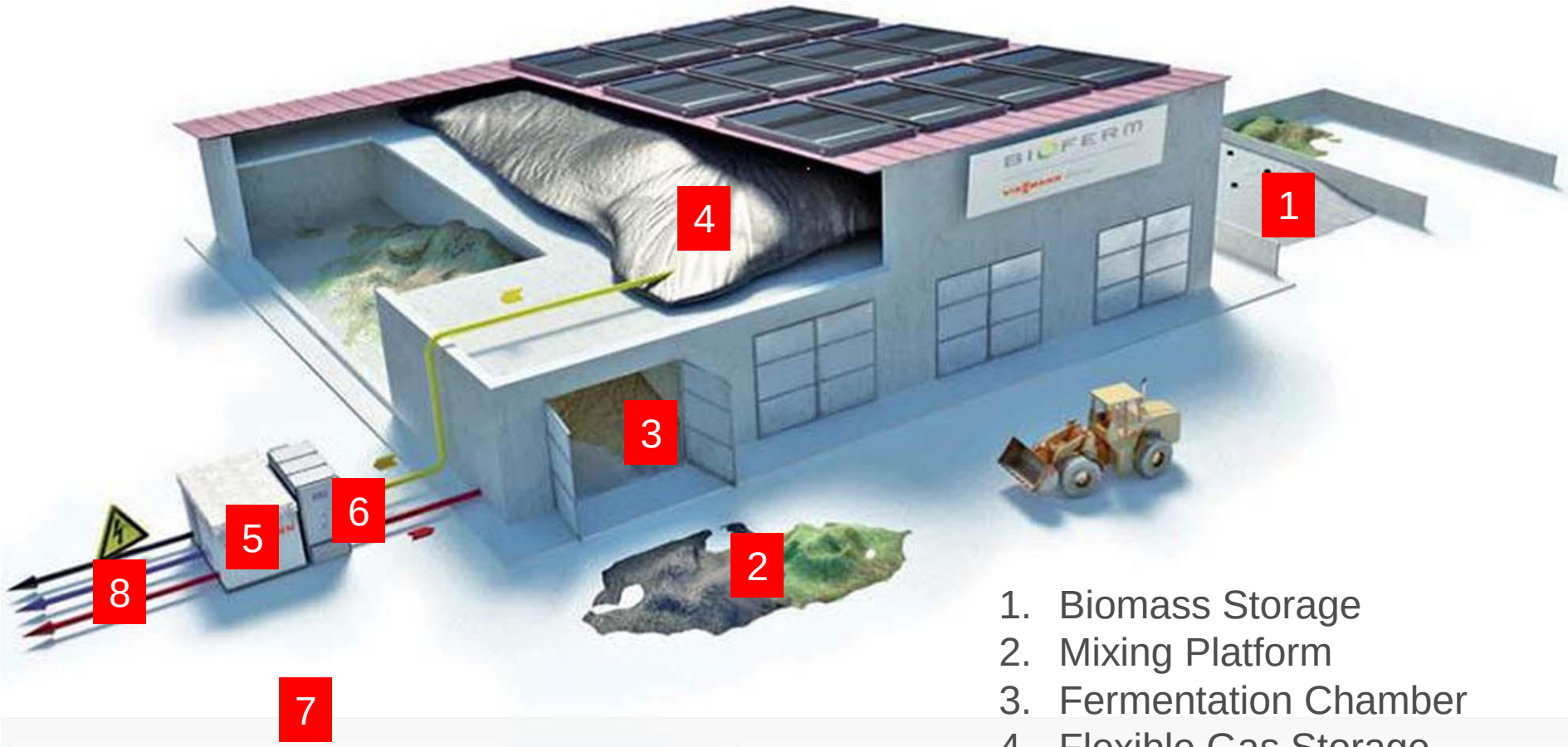
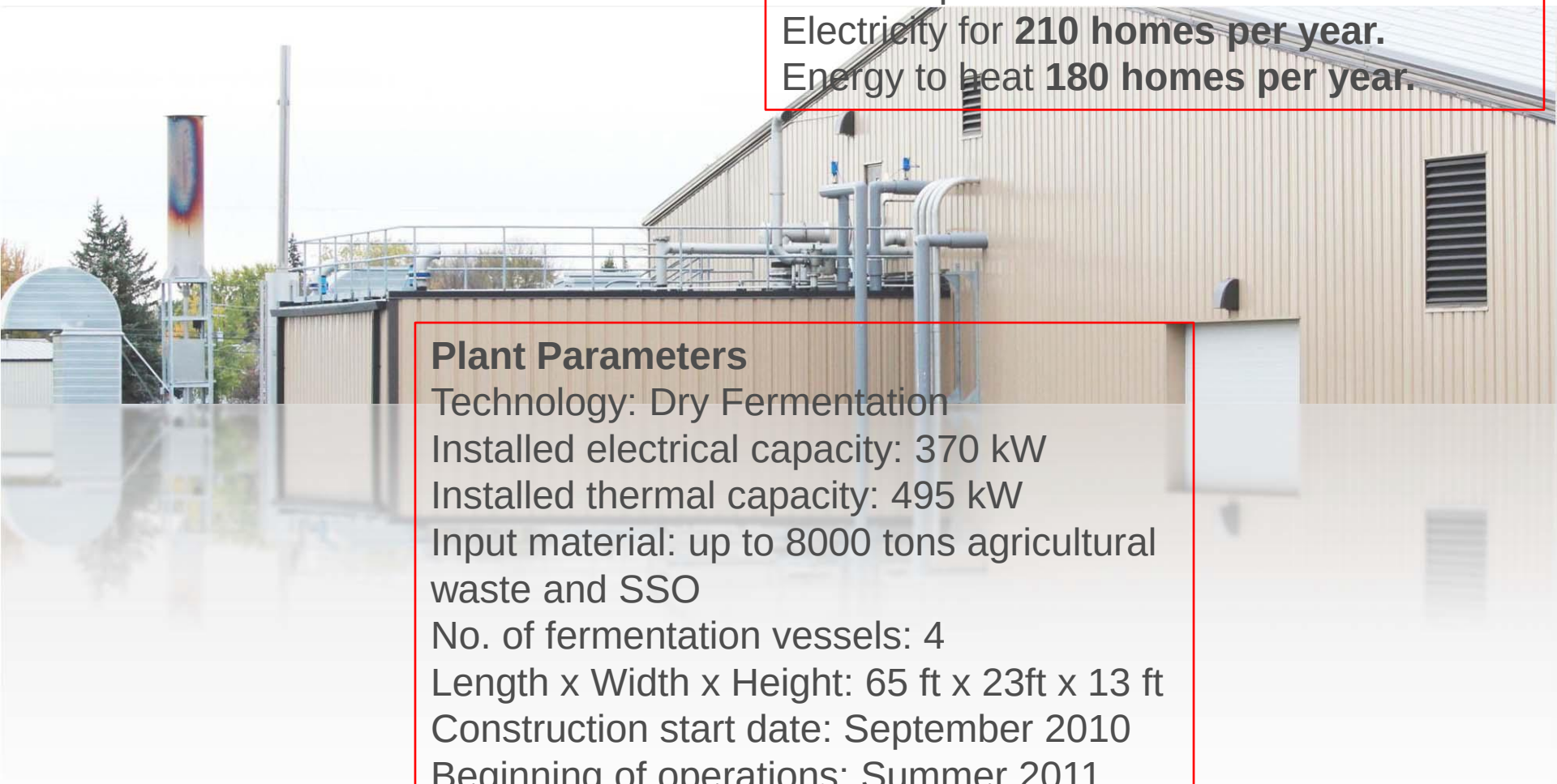


1. Biomass Storage
2. Mixing Platform
3. Fermentation Chamber
4. Flexible Gas Storage
5. Biogas Boiler
6. CHP
7. To District Heating
8. Electric Grid Connection

Case Study
The University of Wisconsin– Oshkosh

- $3.5 million capital investment
- Federal government grant: $500,000
- State of Wisconsin)$232,587

UW Oshkosh's biodigester provides up to **10% of their electricity needs on campus.**
This is equivalent to:
Electricity for **210 homes per year.**
Energy to heat **180 homes per year.**

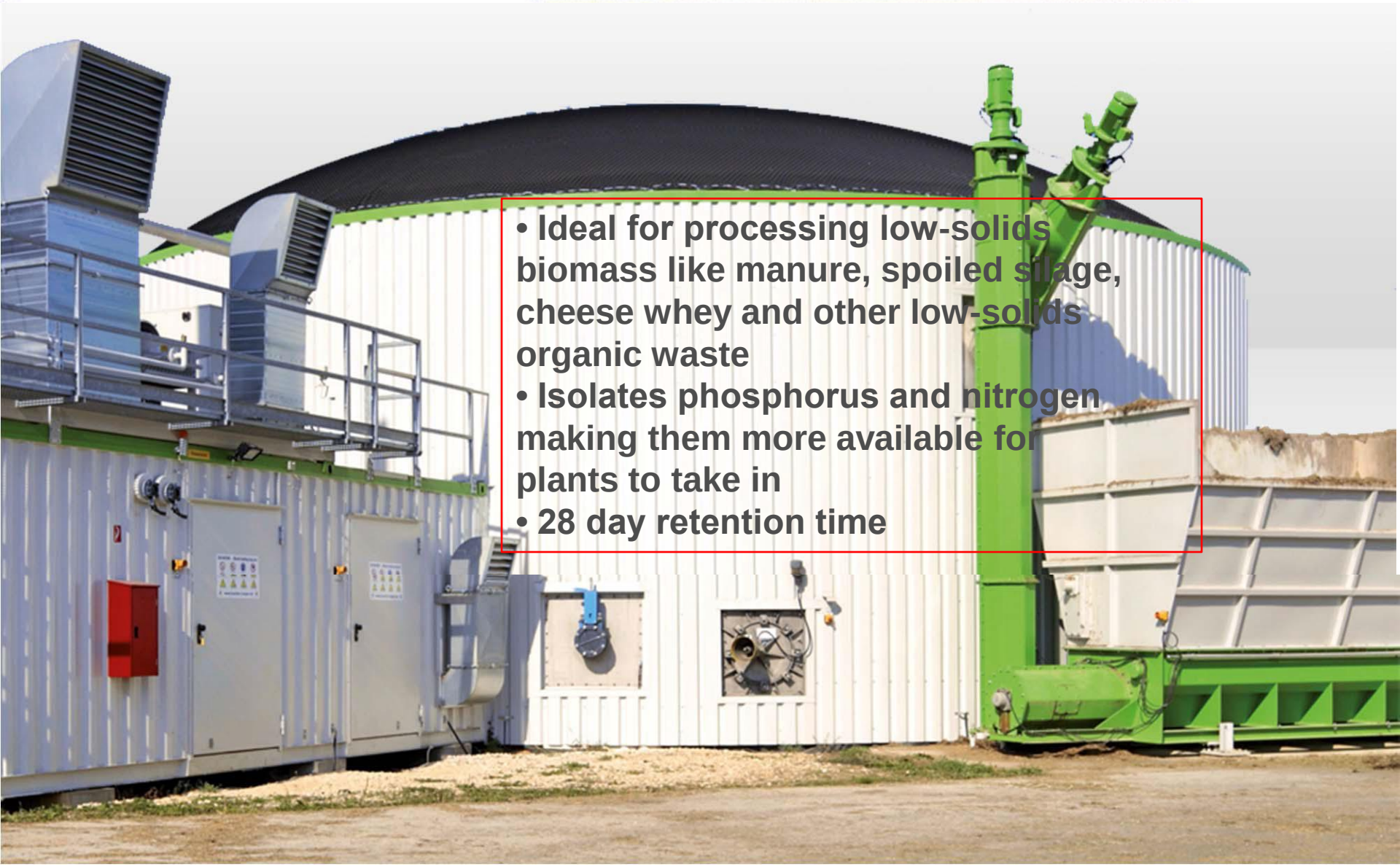


Plant Parameters
Technology: Dry Fermentation
Installed electrical capacity: 370 kW
Installed thermal capacity: 495 kW
Input material: up to 8000 tons agricultural waste and SSO
No. of fermentation vessels: 4
Length x Width x Height: 65 ft x 23ft x 13 ft
Construction start date: September 2010
Beginning of operations: Summer 2011

Case Study
Waste stream

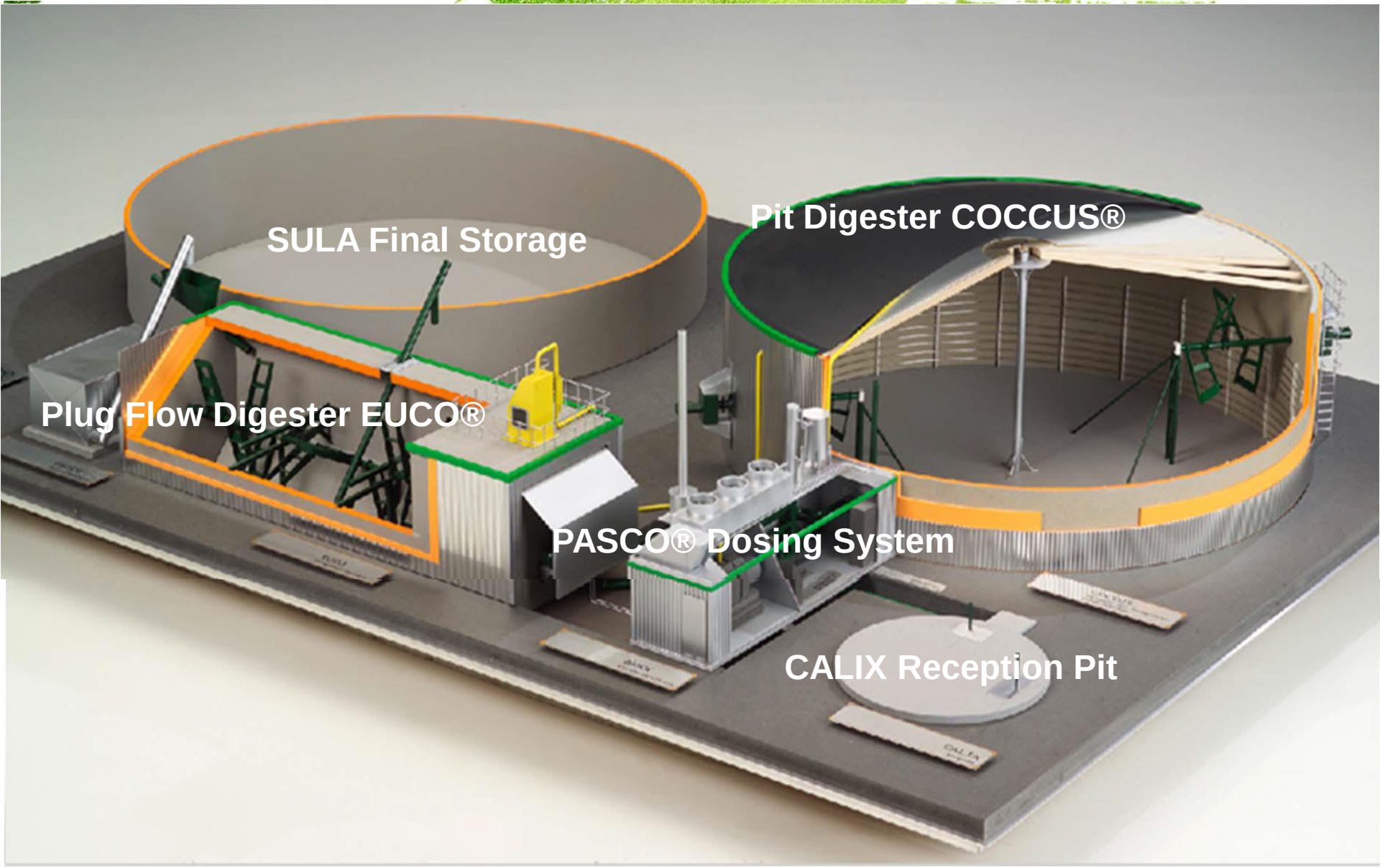
- Food waste from local grocery stores and restaurants
- Yard waste consisting of grass clippings, leaves, brush, shrubs and tree clippings
- Post-consumer food waste University cafeteria
- Animal bedding from local farmers

Complete Mix “COCCUS”



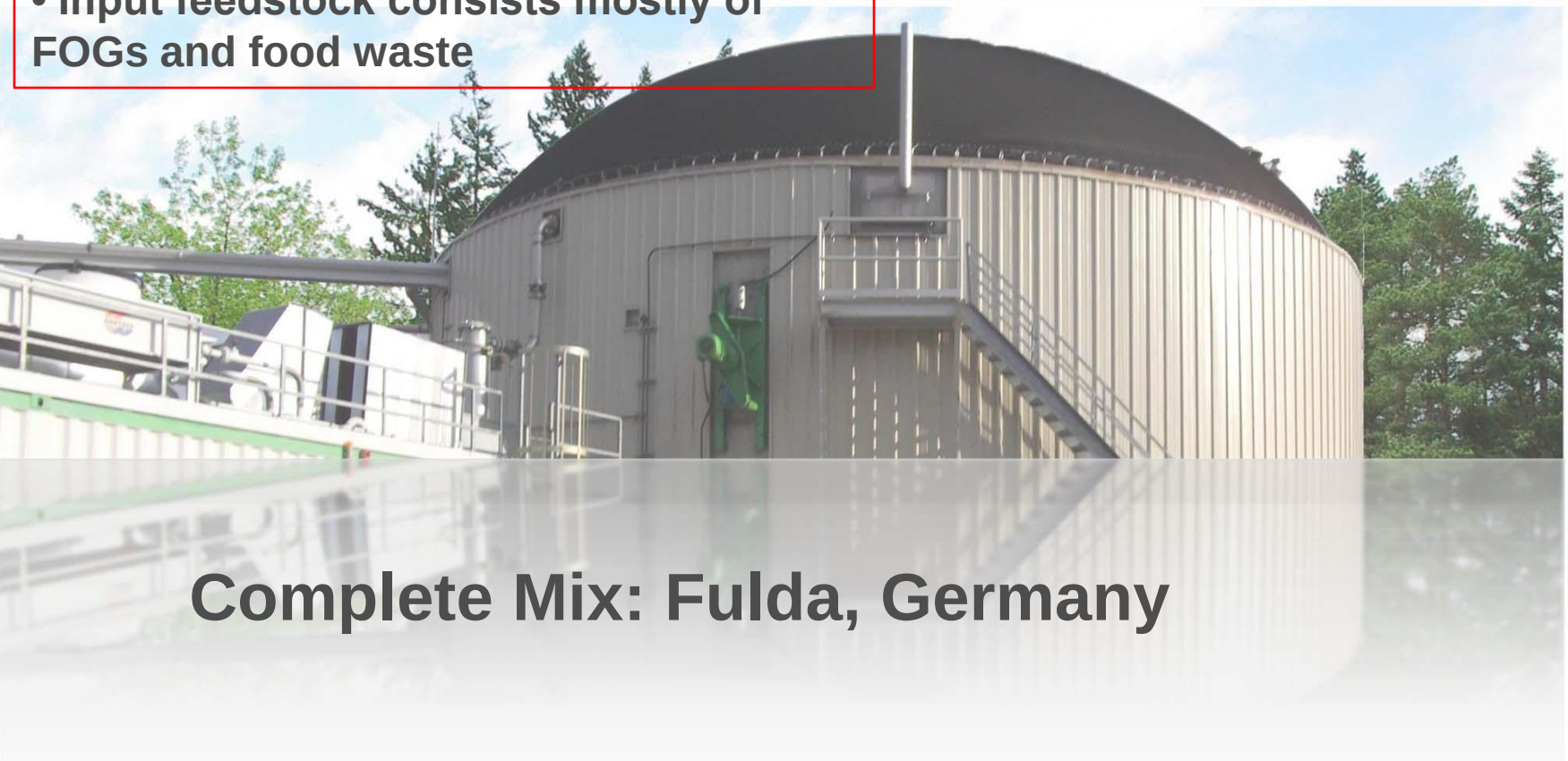
- Ideal for processing low-solids biomass like manure, spoiled silage, cheese whey and other low-solids organic waste
- Isolates phosphorus and nitrogen making them more available for plants to take in
- 28 day retention time

Complete Mix Biodigester



Case Studies
Reference projects

- 2 COCCUS fermentation tanks, 4 SULA storage tanks
- Capacity: 35,400 tons per year
- Total footprint: 310,000 square feet
- Produces approx. 19,600 MWh of gas
- Input feedstock consists mostly of FOGs and food waste



Complete Mix: Fulda, Germany

Plug and Play Digester "EUCOlino"

- Ideal for processing smaller amounts of manure, spoiled silage, cheese whey and other low-solids organic waste
- Isolates phosphorus and nitrogen making them more available for plants to take in
- Ideal for small food processing and farm operations

- A EUCO150 fermenter can process 1-5 tons of organic waste a day
- Standard dimensions are 50'x12'x12' (LxWxH)
- A CHP unit (40'x8'x8') would be attached to the fermenter

Case Studies
Reference projects

Compact Biogas Plant: Schwandorf

- **Plant type: EUCOlino 15 kWel**
- **Feed-in capacity: approx. 120,000 kWh/a electric and 135,000 kWh/a thermal output; potential electric power requirement for approx. 31 households as well as supply heat for approx. 7 households.**
- **Input material: mix of cow slurry, corn and grass silage, manure.**
- **Operational since summer 2011**

Myths and Truths of Anaerobic Digestion

Myth: “Anaerobic digesters just don’t work.”

Truth: Anaerobic digesters have been around for over 200 years. Since their conception, digesters have been used worldwide to treat wastewater, power homes and as a clean source of renewable energy.

In 2010, 162 anaerobic digesters generated 453 million kWh of energy in the United States in agricultural operations, enough to power 25,000 average-sized homes.

Germany leads the European nations with 6,800 large-scale anaerobic digesters, followed by Austria with 551.

The Big Advantage of MCV Water Technology

MCV on every shuttle

MCV® (Microbial Check Valve) Iodinated resin developed for, and used on, all space shuttle flights to assure water safety.

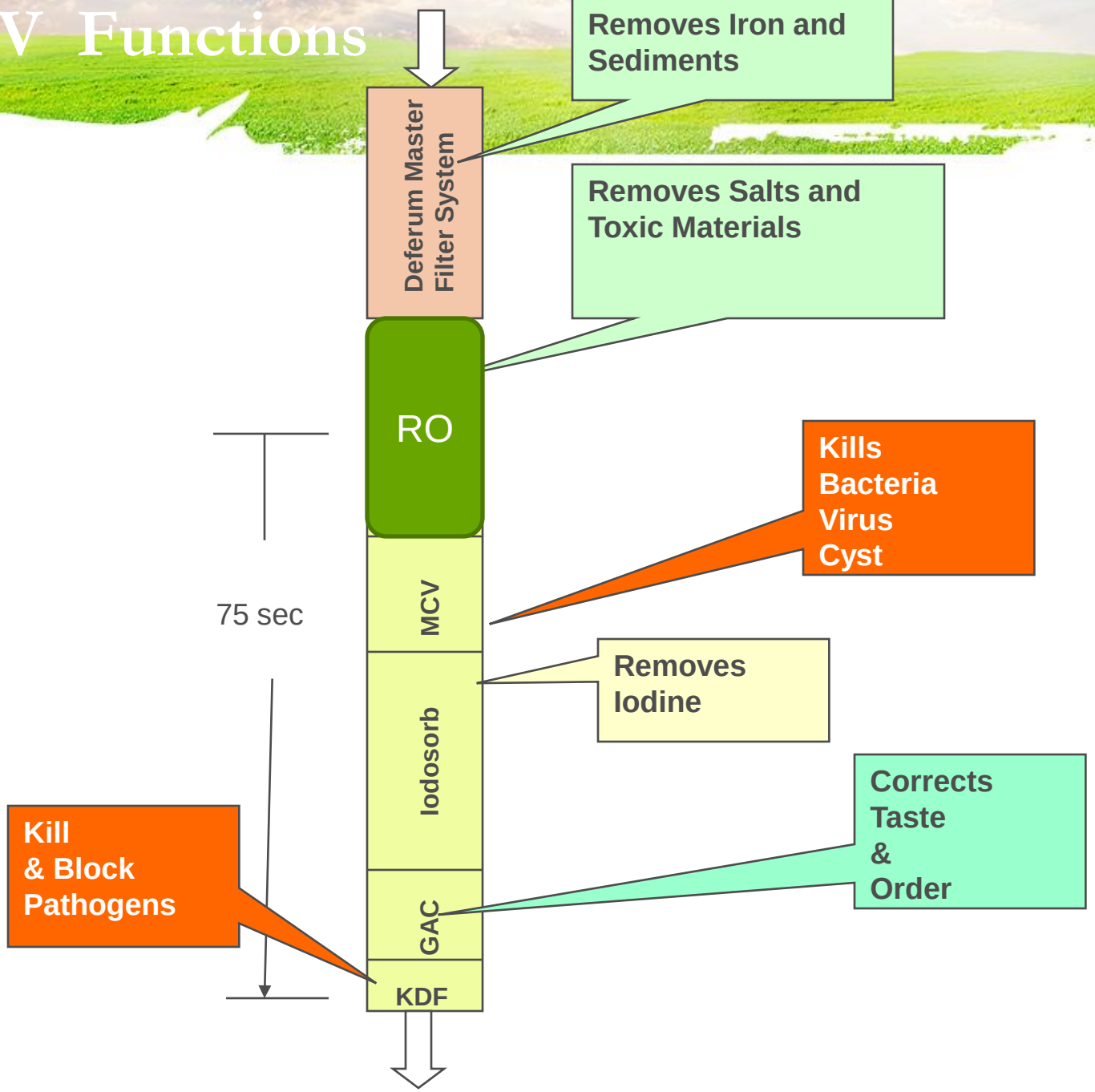
Iodosorb® The **only** iodine scavenging resin to remove all forms of iodine.

Unibed® The combination of Iodosorb® and other elements to remove nitrates and heavy metals.

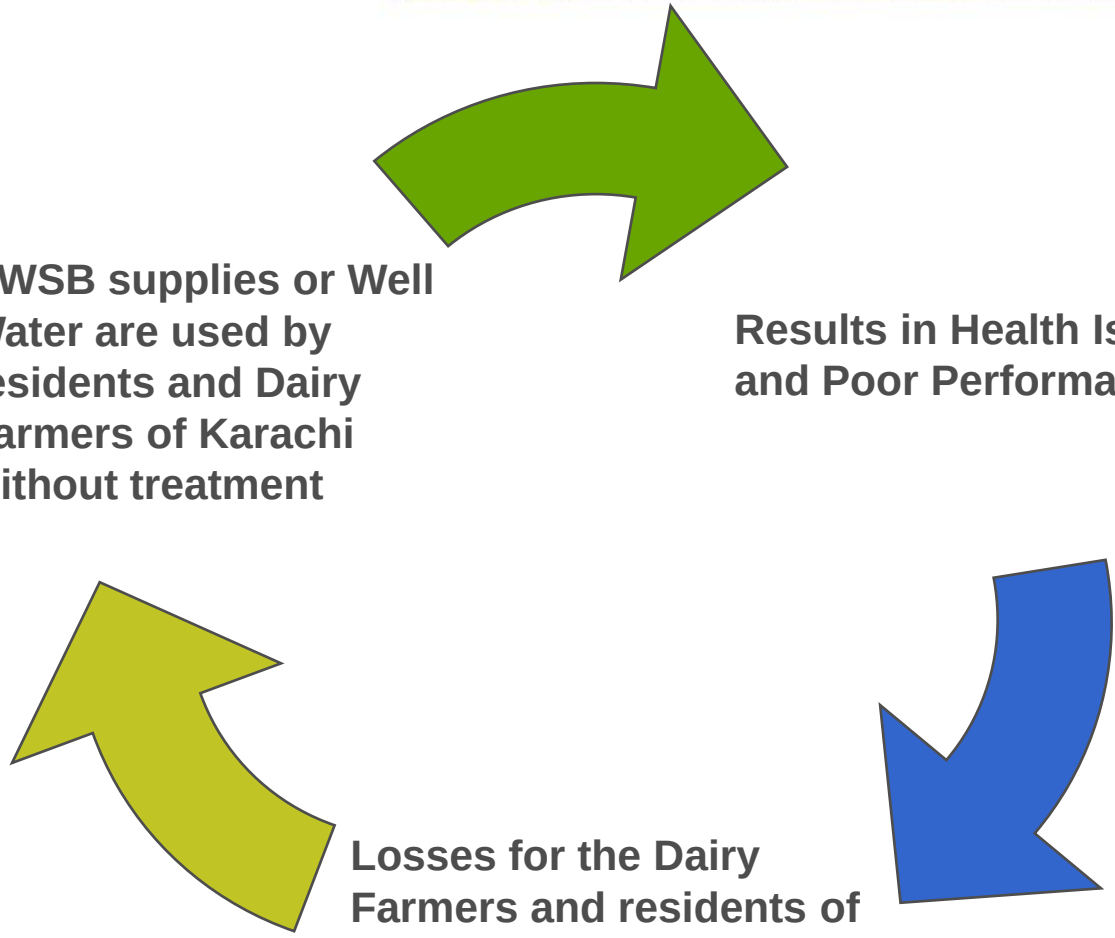
Water Solution for Dairy Farms

- Why Iodine in MCV® for disinfection?
  - Overcomes issues with other Halogens
    - Chlorine and Bromine can produce carcinogens that are difficult to remove
    - Chlorine and Bromine are hazardous materials to transport and store.
    - 2 ppm Iodine Water is an effective solution for disinfection of udders and Milk Utensils in Dairy Farm, Home and Drinking Water.
- WSC's patented Iodosorb® removes excess Iodine to non-detectable levels to produce drinking water for Cattle and Human Asset of the Farm.
  - MCV Allows for a residual concentration in product water to prevent re-growth, as opposed to mechanical filtration and Irradiation (UV).

How MCV Functions



Current Water Supply Process



TQLMA MSB eUniversity - Business Model

Human and Cattle Enjoys Healthy Natural Mineral Water at Affordable Price

Natural Mineral Water processed JIT via MCV Technology 40,000 Liters Capacity Iodine Water Plant with an investment of PAK Rs 7 Lacs for Deferum-RO-MCV for Well Water with operating cost of Rs 2 per Liter.

Purified Water Cooler and disinfection solution available for Dairy Farms and Families

Sustainable Income to MSB eUniversity member Farmers and Families .

TQLMA MSB eUniversity 500 Liters per Hour of Deferum Master Filter System for Apartment Buildings

Ultra-Filtration or MCV for 100% Bacteria/ Virus Removal

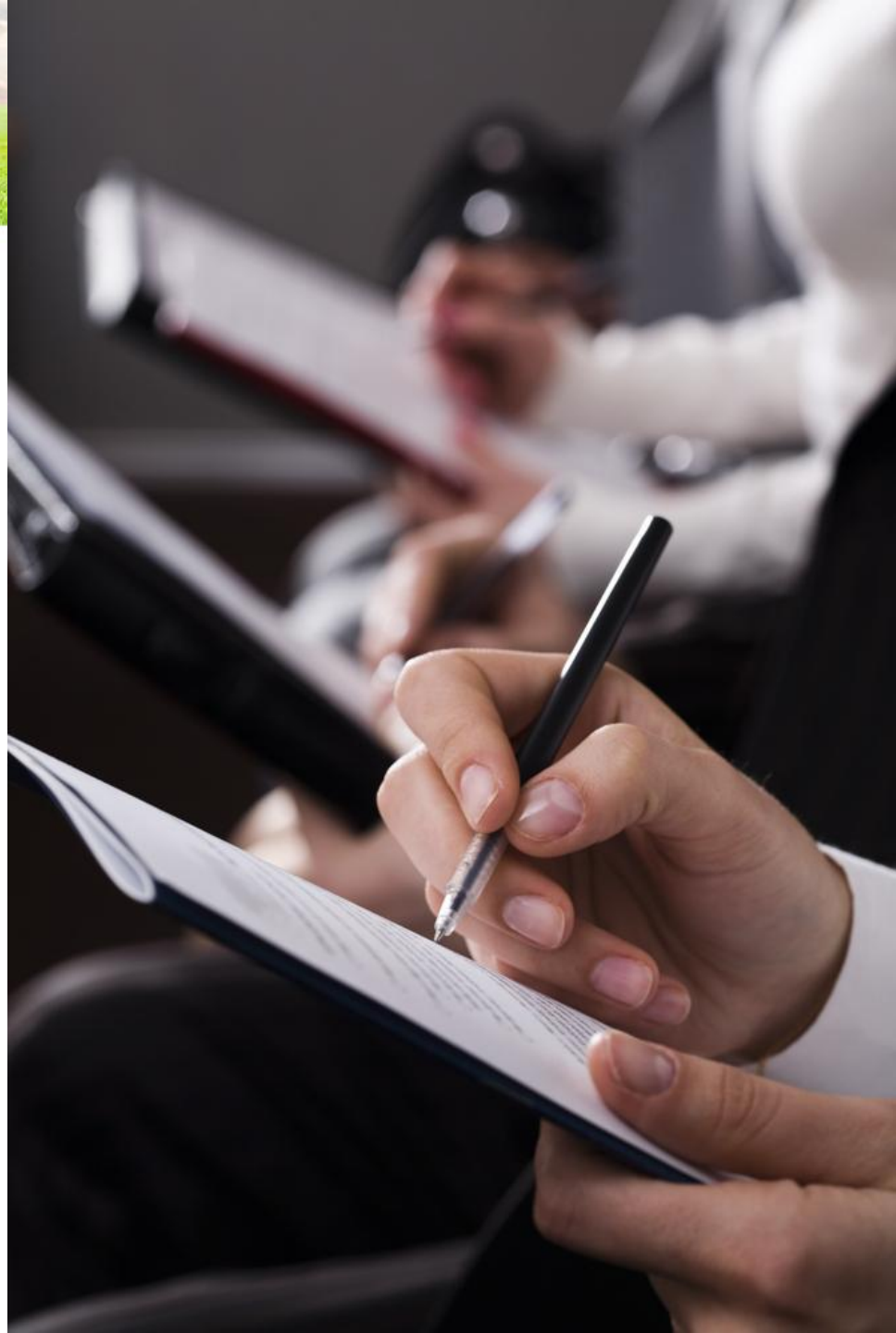
MSB eUniversity Dairy Village Campuses in Karachi & Texas

Karachi Cattle Colonies has 2000+ Farms housing One Million Buffaloes and Cows (95% Buffaloes) producing Ten Million Liters of Milk and 20000 Tons of Manure to produce CNG, Power and Organic Fertilizer and Mozzarella Cheese..

- One Million Buffaloes & Cows produce Ten Million Liters of Milk per Day. PAK & FRESH Milk Value Chain can earn US$ One Million per day.
- In phase I, 200 Dairy Farms with 200K Heads will be transformed to produce Oxytocin Free Milk via PAK & FRESH Value Chain maintained by 1000 EMBA in Entrepreneurship Professionals and Dairy Farmers.
- 1000 EMBA Students will be trained in Texas Model Farm.

Project will be Financed via MSB Global Equity Fund created via EMBA/PhD Students and Dairy Farm/Industrial Park/Tri-Cycle Mobile/SMART Community Center Franchisees..

HALAL Marketing Strategy



TQLMA HALAL Organic Food & Education Franchise

- TQLMA Pvt. Ltd. MSB eUniversity EMBA in HALAL Entrepreneurship program will develop High Performance Human Asset to co-own and lead MSB eUniversity Dairy Village Hybrid powered Industrial Park campuses , SMART Community Centers and Tri-Cycle Franchise Business Worldwide.
- Families/Businesses can co-own the TQLMA Franchise Business with an investment of US$5300 to provide Organic Food & Education to Families and earn Sustainable Income.
- Dairy Farmers and Entrepreneurs can also acquire the TQLMA facilitated Businesses in USA to acquire the Permanent Residency.

TQLMA MSB eUniversity EMBA in Entrepreneurship

- Family Investment = US$25300 for EMBA & Monolithic USA Launch Session
- Co-Ownership of Karachi-Texas Dairy Village Industrial Park at graduation

Launch Bonuses:

- Organization of Family Business via EPR
- PERM (LABOR CERTIFICATION)
- Participation in development of Texas Model Dairy Farm

TQLMA USA Business Immigration Package

- Family Investment = US$530000
- TQLMA Professionals will acquire and operate the Business to provide Sustainable Income to MSB eUniversity member Family to enjoy Total Quality Life

Launch Bonuses:

- Travel and Permanent Residence in USA
- EMBA in Entrepreneurship for all children to assure guaranteed continual enhancement of acquired Business in USA.

The Benchmark Business Model

- TQLMA MSB eUniversity EMBA in Entrepreneurship students will be enrolled and trained in Windom Texas Dairy Farm Campus on Waste to Energy Technologies to realize the 7500 Dairy Village Hybrid Power campuses in Pakistan, Middle East and Africa.
- EMBA in Entrepreneurship students will co-own and maintain all areas of the PAK & FRESH Value Chain in their cities.
- The EMBA Student Family Business will be organized as per Ethical Business Principles via SAP ERP integration.
- The MSB eUniversity global campuses will assure Total Quality Life of Families via transformation of one child per family into High Performance Entrepreneur.

TQLMA MSB eUniversity Family Development Model

Starting with One TQLMA Tri Cycle Food & Beverage Franchise will enable a Middle Class Family to earn and educate their children for Sustainable Total Quality Life. To meet the demand of Karachi, Global Entrepreneurs can own TQLMA Franchise to enjoy Total Quality Life via profits from Business in USA & Pakistan..

Business Growth of TQLMA Families..

- Family Savings will be secured from inflation and static losses and will be dynamically utilized in Fail-Proof Professionally Designed Business.
- Family can utilize the profits to provide Higher Education to their children in TQLMA MSB eUniversity Campuses and affiliated Schools.
- The profits can also be reinvested to grow the US$7200 Tri-Cycle Franchise into a Million Dollar Enterprise.
- The Family will have time and resources to TRAVEL the World and Globalize their TQLMA Franchise Business.

Globalization

- The Karachi Model can be duplicated in ALL Geographies of our World to serve Families with AFFORDABLE Natural PAK & FRESH Food and Economically Enhance MSB eUniversity members to enjoy Total Quality Life.

- The Economic Enhancement of TQMA Families will enable them to DELIGHT Families in their Global Network leading to Global Economic Vibrancy.

Growth of Partner Educational Institutions

- Enrollment Growth via admissions of TQLMA MSB eUniversity member Family Students.
- Additional Revenue and Health Assurance of students & faculty via set up of TQLMA SMART Entrepreneurship Center and Dairy Village Waste-Wind-Sun to Energy Power Plant.
- Assurance of ZERO-Dropouts via Financial Assistance from TQLMA Qardhan Hasanah Funds.

Total Quality Life for ALL

- Develop all members of a Family for Sustainable Income leading to Total Quality Personal & Professional Life via MSB eUniversity Family Coaching with Traction Program.

- Develop the Global SMART Communities via Total Quality Education, Health Care, PAK & FRESH Food Value Chain and Sustainable Income for Community Families and Businesses.

- Entrepreneurs and Investors can invest in our Projects ranging from USD5300 to USD One Billion to SECURE their investment from Inflation and enjoy Benchmark ROI.

- TQLMA MSB eUniversity plans to transform One Million Global Young Professionals into Millionaire in 5 years via Global Executive MBA in Entrepreneurship with Traction..

Questions? Suggestions..

G-Talk: tqlmas@gmail.com
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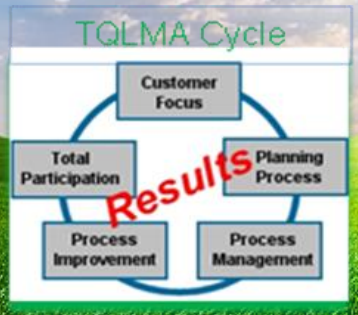
DrMufaddal52 @ Skype

Total Quality Life Maintenance Associates Pvt. Ltd.



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