





MSB eUniversity Self Sustaining Dairy Village Campus

High Performance Organic Food & Waste to Value Technologies















Aeroponic Feed System





Space Foundation Certified Technology



MSB eUniversity Dairy Village in KHI-TX



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 Hard Working Families 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 Plants 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.

Sustainable MSB eUniversity Dairy Village Worldwide Campuses ENERGY – Feed - Food from Waste – Wind - Sun

Powered by TQLMA Group of Global Companies & Universities

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

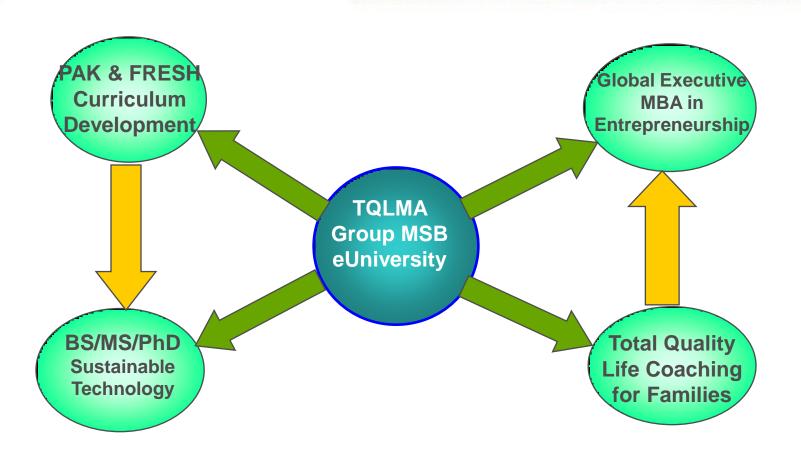
Mission

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

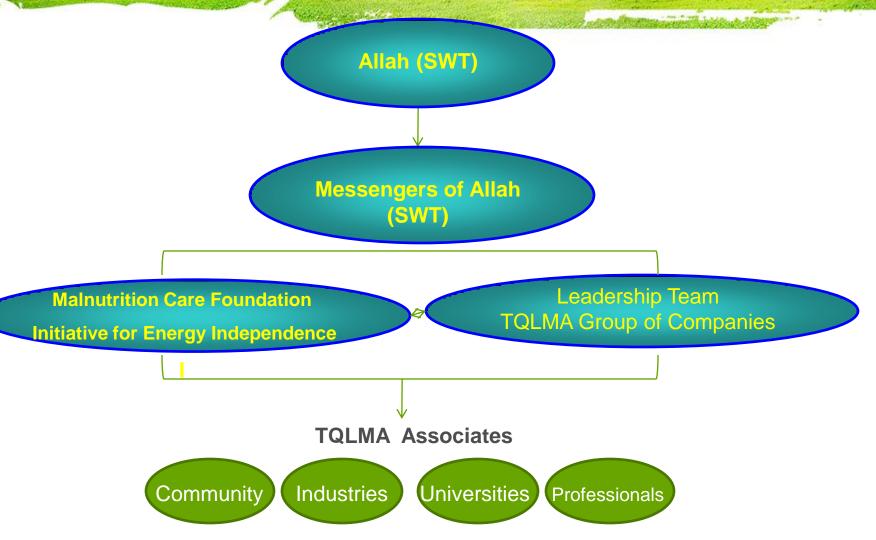
Total Quality Life & Business Strategy

Promote Entrepreneurship with Traction Develop MSB eUniversity Self Sustaining Campuses Globally Develop a Self Sustaining Community powered by Waste-Wind & Sun Provide Result Oriented Total Quality Education to Children **Provide Sustainable Entrepreneurship Education to Professionals Enable Professionals to become Benchmark Entrepreneurs**

MSB eUniversity Holistic Education System



TQLMA Group Holistic Business Process



Total Quality Life Maintenance Associates







Self Sustaining Technologies



MSB Global eUniversity

Sustainable Technologies & Entrepreneurship Education with Traction



Reliable Energy Savings Inc.

Energy Conservation and GREEN Energy Generation



Chemage Group of Companies

Total Quality & 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 Muhammad 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



Strategy to THRIVE in 2015+

GLOBAL SOCIAL Entrepreneurship via PAK & FRESH

Education & Natural Food Value Chain

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

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 powered Self Sustaining Industrial Parks & Halal Food Value Chain

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 US \$21,000 Global Executive MBA in Entrepreneurship Graduates from member families.

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 Associates

Energy Conservation & Green Energy Generation, Disaster Proof Construction
Technology, Self Sustaining Dairy Farms, Industrial Parks & Residential Complex realized via Enterprise Resource Planning, Self Sustaining Technologies and Entrepreneurship education, PAK & FRESH ORGANIC FOOD VALUE CHAIN and Affordable Travel & Cargo Services will help our World Survive & Thrive. TQLMA assures Healthy Body & Mind via Nerox Water System, Organic Milk, Honey and Natural Food Ingredients to develop & maintain Human Asset of **High Performance Families & organizations.**

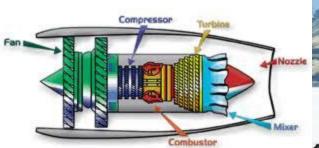
TQLMA 2015-2020 Global Projects

Projects	Investment in USD
MSB eUniversity Model Campus in Texas and Karachi via PAK & Fresh Milk Value Chain	US\$ 21 Million
MSB Global Airline	10 Million
Bunker Fuel Processing @ Bio Fuel Refineries	One Billion
Pakistan, USA, Canada, UAE and Africa 7500 Heads Self Sustaining MSB Energime University Hybrid Power Plants/Industrial Parks & Model GREEN Communities	One Billion









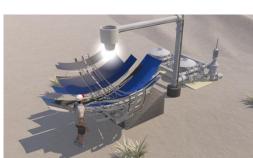






 60 MW Production on 250 Acres & 7500 Heads Self Sustaining Dairy Village Campus from Waste, Wind and Red Sun





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.





TQLMA powered MSB eUniversity

- Total Quality Family Education Services
- Young Family Creation & Development
- Training in Sustainable Technologies
- Family Entrepreneurship in GEMBA
- Leadership Development
- Local TQLMA Franchise Ownership
- Ownership of Industry in Industrial Park
- Global Business via Exports
- Reengineering of Developing Countries
- Continual e-Coaching with Traction

BIONTICS DAIRY FARM MAINTENANCE

BALANCED RATION FOR RUMINANTS

Balance ration means a feed which has nutrients in proper concentration required by animal's body.

Protein, carbohydrates, fats, minerals and vitamins must be supplied in adequate amount to encourage maximum production.

Dairy farming is only profitable like all other commercial practices depends upon the difference between in-and outputs.

Balanced Diet for 300 Kg Cattle

Fodder 30 kg

solid from fodder 7.5 kg

7 star dairy feeds 1.5 kg

total ration for 24 hrs/animal 31.5 kgs maximum

Monolithic Building System

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











MSB Global Airline

- Total Quality Passenger & Cargo Service
- Operational Support from Caley Aerospace
- Facilitate export of FRESH Fruits and Juices as per Blue Skies Model
- •Focus on providing Affordable Umra & Ziarat Service to Middle Class Families
- Cost Effective Export of PAK & FRESH Meat and Dairy Products to Middle East, Far East, EU and North America.

CHEMAGE Group of Companies

- Innovative Strategies to assure SAFE use of Chemicals to assure Total Quality Life of Families & Communities.
- Train Young Families to practice Entrepreneurship with Traction via MSB Global Industrial Parks.

AWARDS of TQLMA Group Companies











"High Performance Organic Feed Systems without Pesticides"

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



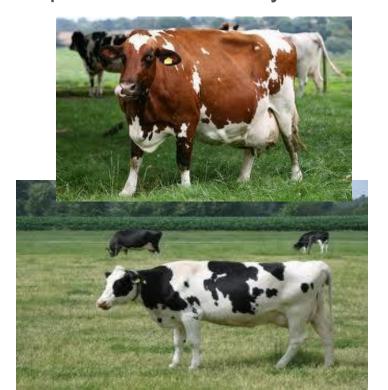


Aeroponics involves growing plants in a mist environment without using soil or an aggregate medium, which is commonly known as hydroponics. *Vitruvian Gardens* manufactures and supplies aeroponic growing units to farmers in the agriculture sector with options for animal farms to process manure. Available 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."





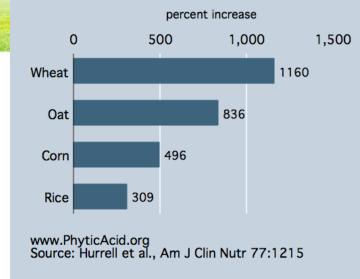


Bio Availability

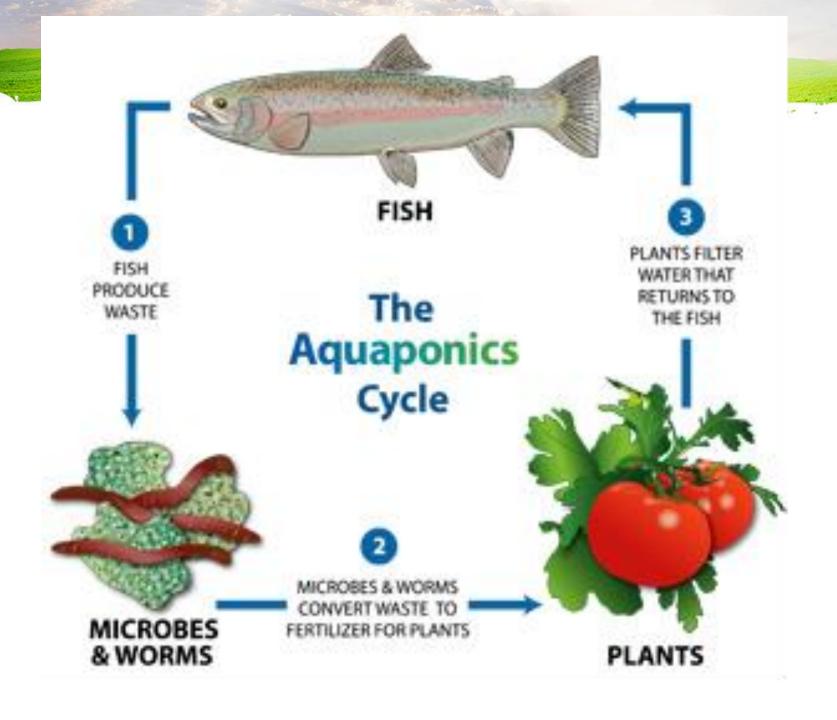


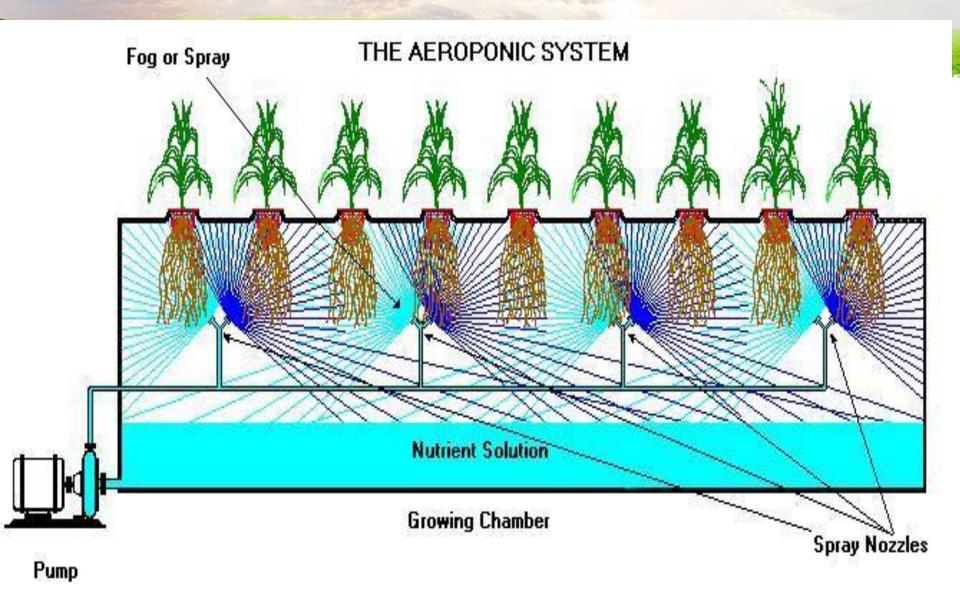
Increase In Iron Absorption

when phytic acid is removed from the grain



In the journal `Food Chemistry: "antinutrients like phytate and tannins reduce the nutrients bioavailability which can be improved by suitable processing methods such as germination and fermentation". It reported that sprouting finger millet for 1 day showed the phytate Calcium/Zinc molar ratio decreased from 163 to 66.2, indicative of an increased Zinc bioavailability. The journal Physiologia Plantarium found the highest Zinc concentration in the seeds... was found in the first stage of seed development (around the early milk stage); after this seed. Zinc concentration gradually decreased until maturity. Lots and lots of science testing shows that sprouting decreases all anti nutrients while increasing amino acid levels, vitamin levels, mineral availability, oxygen levels, phyto-nutrient levels etc. It is important to realize that a seed has all it's concentrated power in the original seed which is used to grow a full mature plant and when that seed is sprouted the original power of the seed is unleashed into the baby plant (sprout) until the first 2 - 8 days (depends on the type of sprout), during those optimal days the sprout reaches peak nutrition with maximum bioavailability to the body.





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

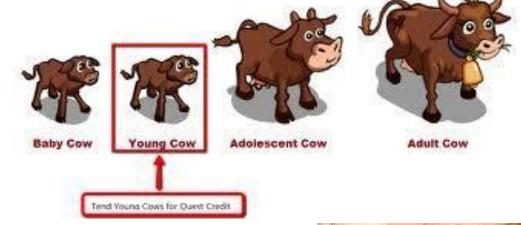
With a ration of fresh hydroponic barley grass, maximum performance is achieved due to better assimilation and digestibility of its daily feed. cows will generally eat between 6 - 10 Kg of sprouts per day, depending on the cow's weight



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!



Turnkey Computer Controlled Automation Saves Labor

2000 m2 replaces Labor over 1280 ha grazing land.







The Mission Solving Waste Management Across Multiple Sectors









Taking Advantage of Organic Waste





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



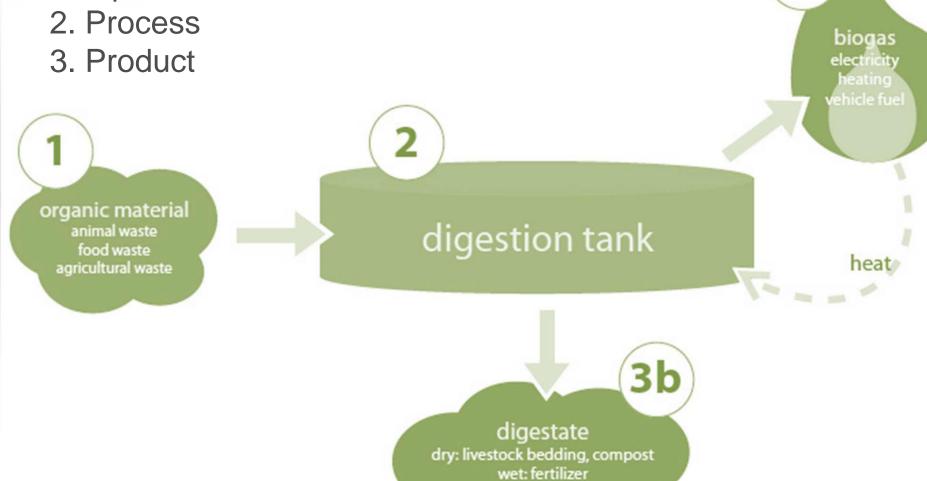
Biogas is the most multi-talented of all the renewable energies, as it can produce electricity, heat and fuel. It's not subject to changes in weather, allowing for continuous production.



Biogas Production Process The Basics

3a

1. Input





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 Dry Fermentation System





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 beat 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



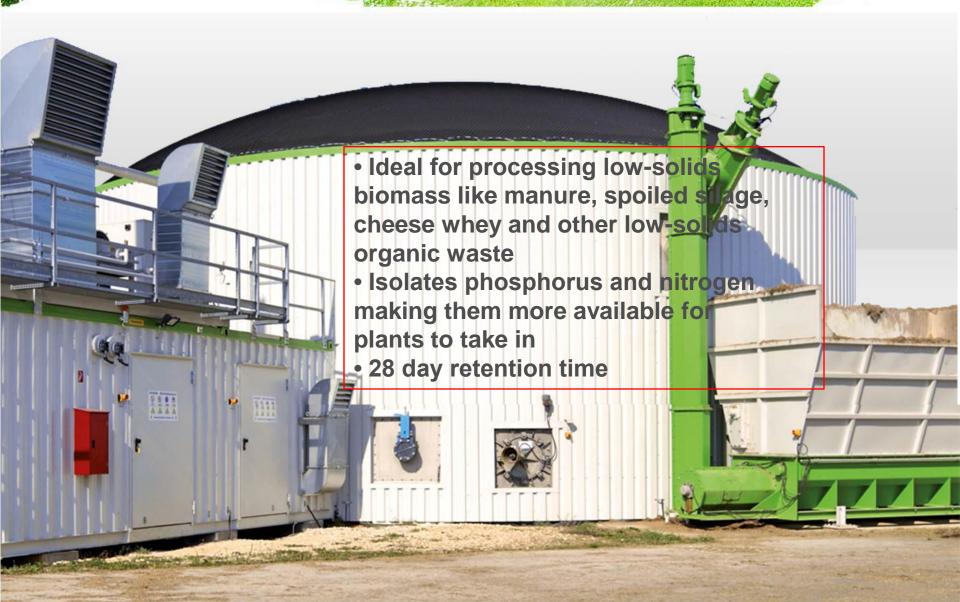
Case Study Waste stream



- 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

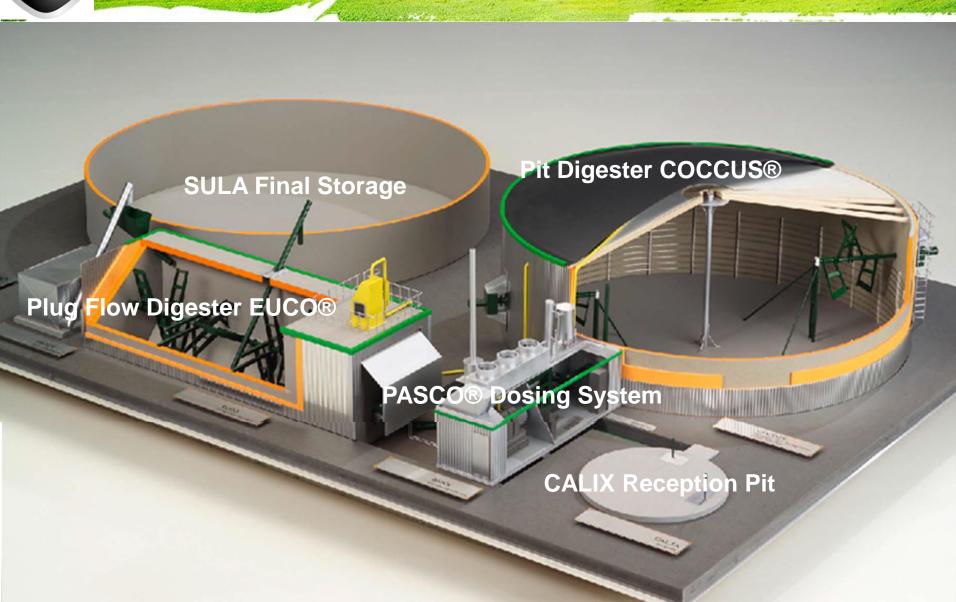


Complete Mix "COCCUS"





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





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)

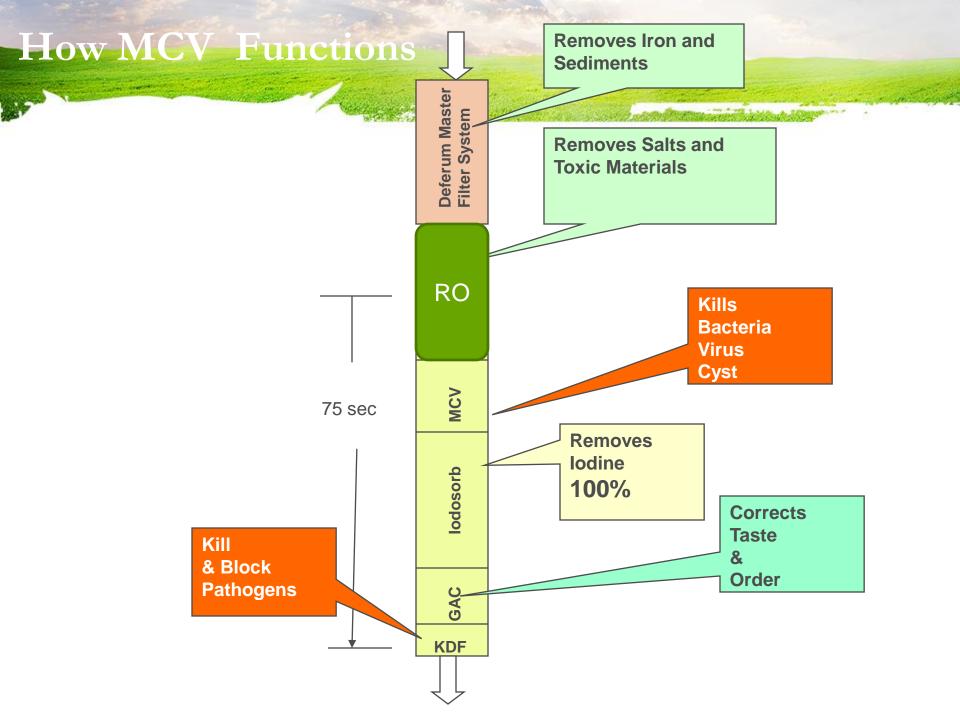
lodinated resin developed for, and used on, all space shuttle flights to assure water safety.

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

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

Water Solution for Dairy Farms

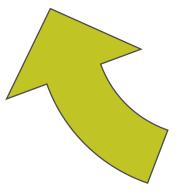
- Why lodine in MCV® for disinfection?
 - Overcomes issues with other Halogens
 - Chlorine and Bromine can produce carcinogens that are difficult to remove
 - Chlorine and Bromine are hazardous materials to transport and store.
 - 2 ppm Iodine Water is an effective solution for disinfection of udders and Milk Utensils.
- 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).



Current Water Supply Process

KWSB supplies or Well Water are used by residents and Dairy Farmers of Karachi without treatment

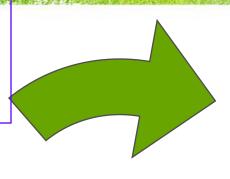
Results in Health Issues and Poor Performance



Losses for the Dairy
Farmers and residents of
Karachi from
contaminated in Milk &
Water

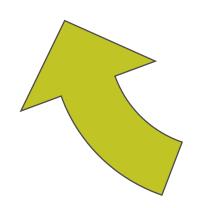
TQLMA MSB eUniversity - Business Model

Consumer Enjoys Healthy
Natural Mineral Water at
Affordable Price

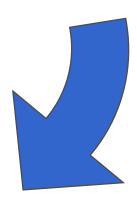


Sustainable Income to MSB eUniversity member Farmers and Families .

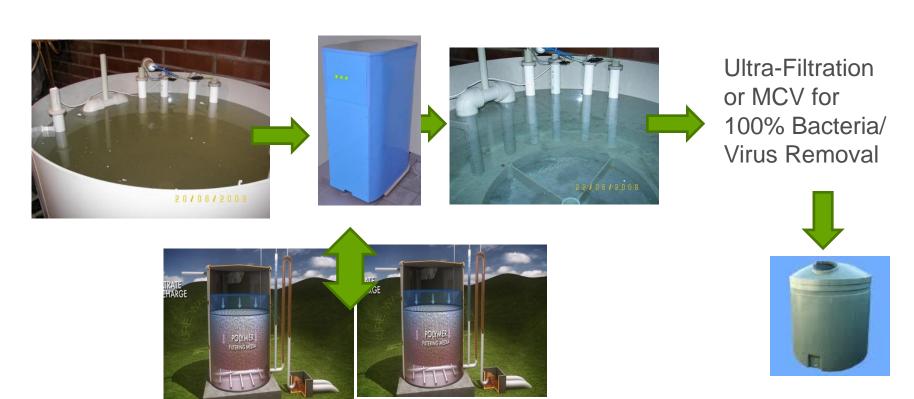
Natural Mineral Water processed JIT via MCV
Technology 40,000 Liters
Capacity Purification Plant with an investment of PAK
Rs 7 Lacs for Deferum-ROMCV treatment for Well
Water with operating cost of Rs 2 per Liter.



Purified Water and disinfection solution available for Dairy Farms and Families



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



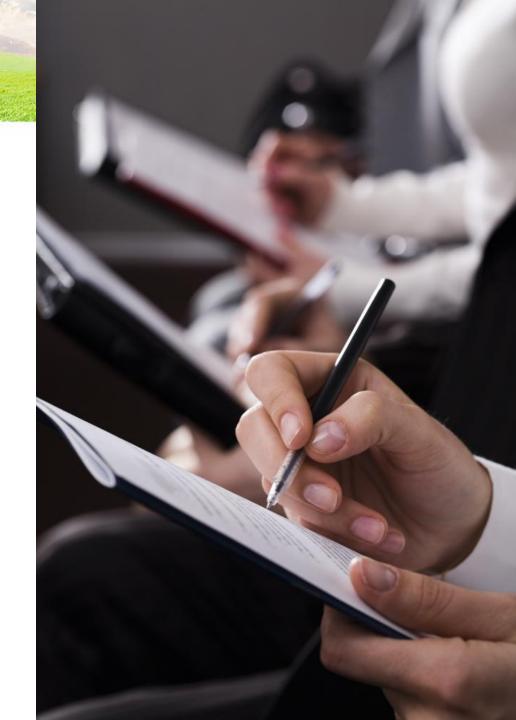


MSB eUniversity Dairy Village Campuses in Karachi & Texas

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 SMEs & Dairy Farmer Families.
- 1000 EMBA Students will be trained in Windom-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 Franchise in Karachi & Texas.

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.
- Raj Trading (TQLMA Company) in collaboration with Water Security Corporation will install and maintain the Space Foundation Certified Water Purification Equipment.
- Families/Businesses can own the TQLMA Franchise Business with an investment of US\$5300 to US\$553K to provide Organic Food & Education to Families and Dairy Farmers and earn Sustainable Income.

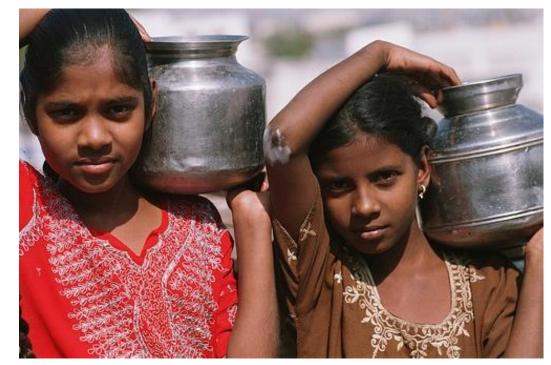
The Benchmark Business Model

- * 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 Business into a Million Dollar Enterprise.
- The Family will have time and resources to TRAVEL the World and Globalize their TQLMA Franchise Business.

TQLMA MSB eUniversity EMBA in Entrepreneurship

- Family Investment = US\$21000/-
- EMBA in Aviation/Dairy Entrepreneurship
- Co-Ownership & Sustainable Income

Launch Bonuses:

- Organization of Family Business via EPR
- Monolithic Building System Training
- Participation in development of Windom-Texas Dairy Village Hybrid Power Campus

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 School Center on Campus to serve Natural Healing Food & Beverages.
- 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..







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MSB eUniversity





