

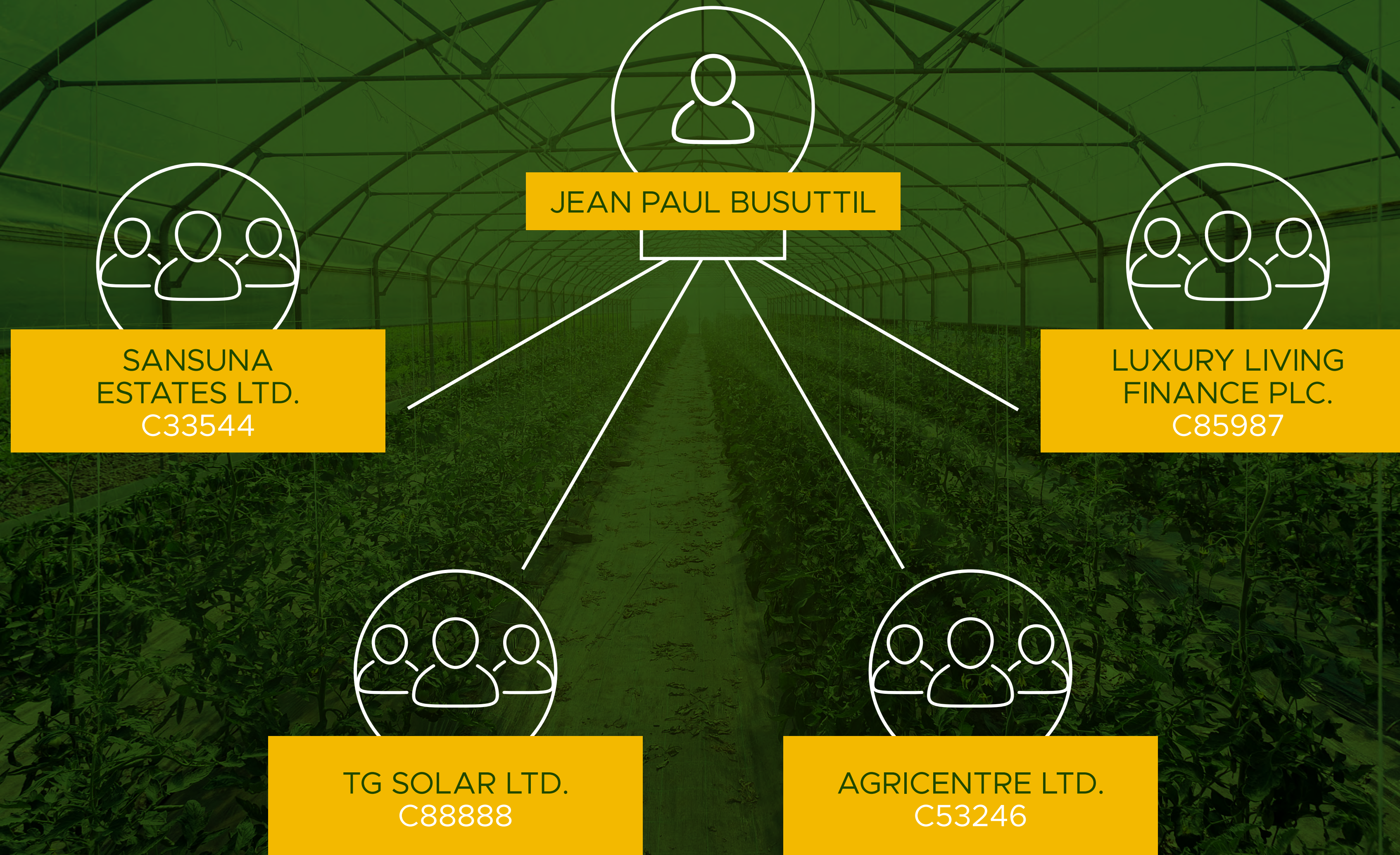


AGRI-CENTRE

A NEW AGE IN AGRICULTURE

CIRCULAR. ETHICAL. CLEAN. SUSTAINABLE

INVESTOR PROFILE



WHO WE ARE

STRATEGIC AIMS

TO CULTIVATE & BREED
BEST-IN-CLASS FOOD FOR
THE MALTESE MARKET &
WORLD FAMOUS HORECA
CUSTOMERS

NATURAL &
ENVIRONMENTALLY
FRIENDLY OPERATIONS
ACROSS MULTIPLE PLANNED
SITES WITHIN MALTA.

LUXURY LIVING

ESTABLISHED IN MALTA
& LISTED ON THE MALTA
STOCK EXCHANGE

AGRI-CENTRE

ETHICAL, SUSTAINABLE,
ORGANIC & CLEAN LABEL
PRODUCE FOR A CIRCULAR
COMMERCIAL SETUP

WE PRODUCE WHAT WE
CONSUME & WE CONSUME
WHAT WE PRODUCE!

OPERATIONAL SCOPE

- ANIMAL HUSBANDRY
- RABBIT, SHEEP & GOAT
FARMS
- DAIRY FOOD PROCESSING

- AQUAPONICS
- FISH CULTIVATION UNITS IN
WATER TANKS
- FISH REARING COMBINED
WITH HYDROPONICS
- FRESH WATER TILAPIA &
CRAYFISH
- STRAWBERRIES

- BLACK & GREEN HOUSES
- OPTIMUM FARMING
PRACTICES
- FRUIT & NATURAL PRODUCE
SPECIALITY & BIO-SECURE
VEGETABLES



**WHAT WE
PRODUCE**

AGRI-CENTRE



SOUPS & SAUCES



GREEN ENERGIES



**AGRO-TOURISTIC ACCOMM.
& ARTISANAL CENTRES**



NATURAL FRUIT BEVERAGES



OWN GROWN MEAT PRODUCTS

WHAT WE DO

AGRI-CENTRE



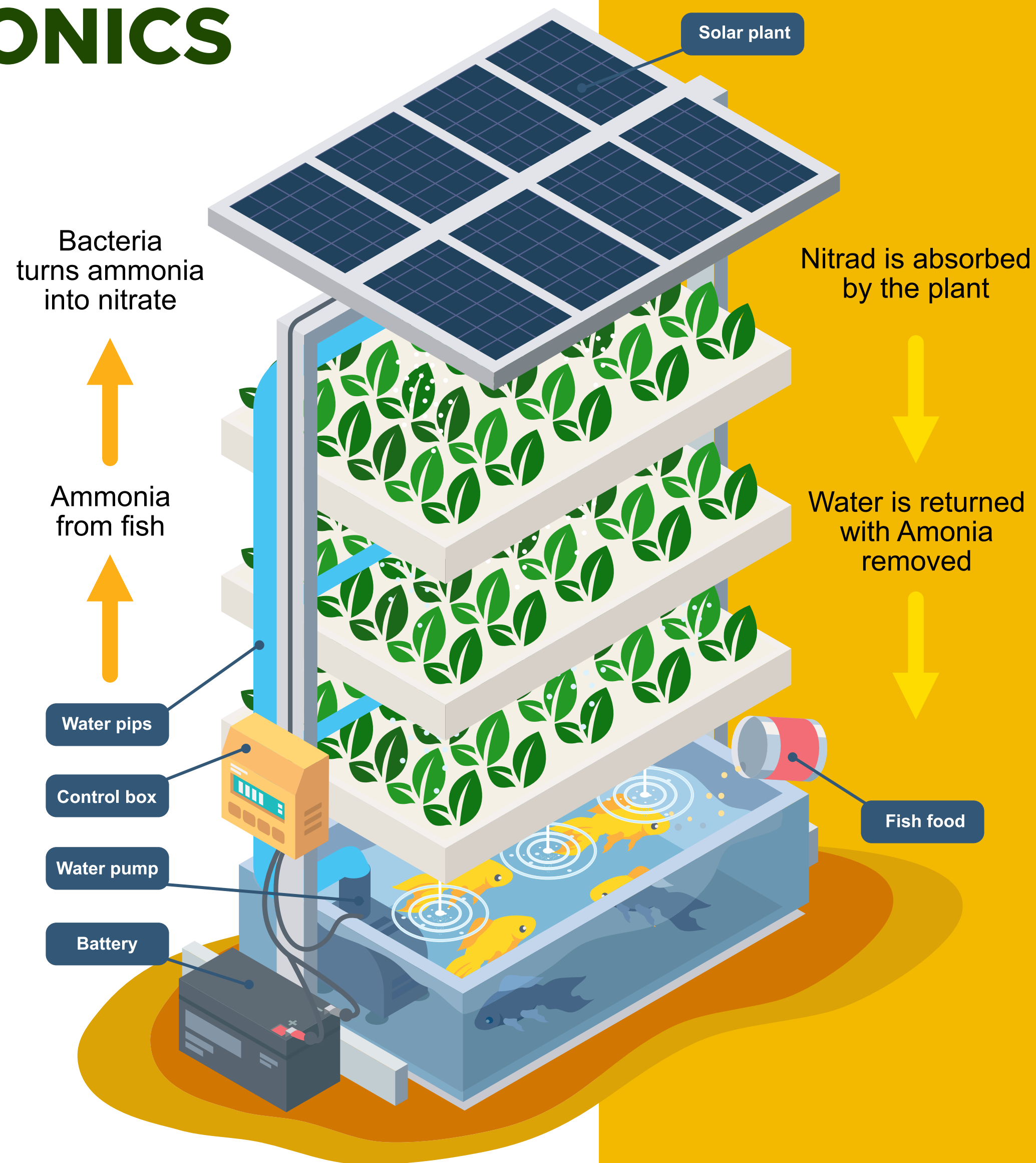
INDOOR FARMING

CONTROLLED ENVIRONMENT DARK HOUSES - HAPPENING ALL OF EUROPE & AMERICA DUE TO CLIMATE CHANGE:

- Innovative technology & 1st in Malta
- More production on lower land requirement
- Controlled environment agriculture
- Grow multiple crops/year outside seasons
- Grow non-indigenous crops to malta
- Less use of pollutant sprays. no pesticides
- Soil-less production - better quality product



AQUAPONICS



- Hydroponics & vertical farming with aquaculture
- No pesticides, herbicides & chemical fertilizers
- Fully organic & sustainable operation
- Uses 1/6 of water & provides 8x more yield/tumulo
- Fish waste converted into natural fertilizer
- Effective re-circulation & re-use of water
- Zero carbon footprint

FROM STABLE TO TABLE

OUR BREEDING OPERATIONS
FROM START TO FINISH



- EU compliant - habitat, space per head & treatment of animal waste
- Optimal feeding base & feeding/drinking practices
- Milking & supply to our own dairy factories
- Control over breeding & re-production operations
- Produce for local HORECA channels – beef, sheep & goat meat



- Aquatic fish based production
- Fresh water tanks for tilapia & crayfish in particular
- Specially designed farming units

FARM TO FORK RESPONSIBILITY

AGRI-CENTRE



VERTICAL CIRCULARITY



STANDARDS & PRACTICES

ORGANIC

avoiding use of synthetic substances in all operational environments

CLEAN LABEL

simple natural ingredients - no highly processed food production

SUSTAINABLE

minimal effect of food eco systems. Including re-use & recycle procedures

CIRCULARITY

full control of food chain from origin to final delivery to customers

HUMANE ANIMAL MANAGEMENT

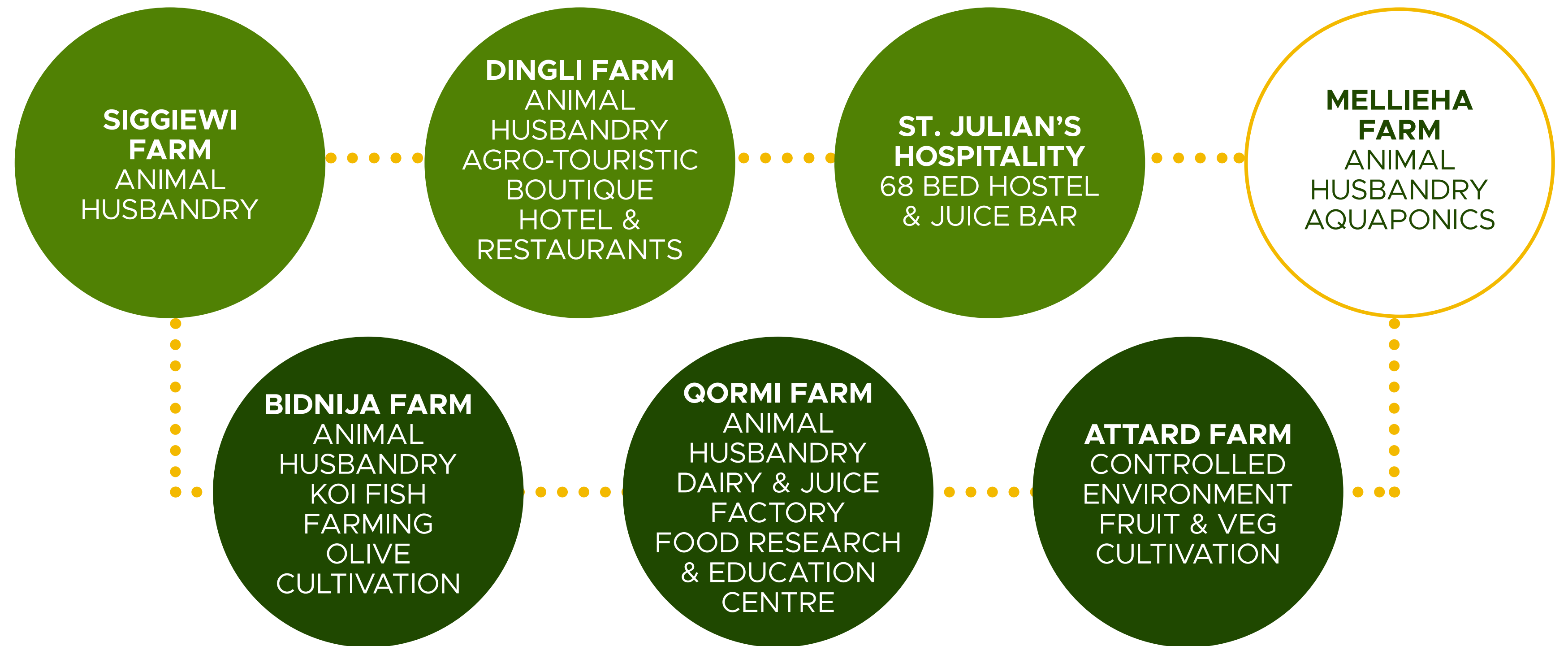
exceeding top class EU & World established animal handling standards from farming to slaughter



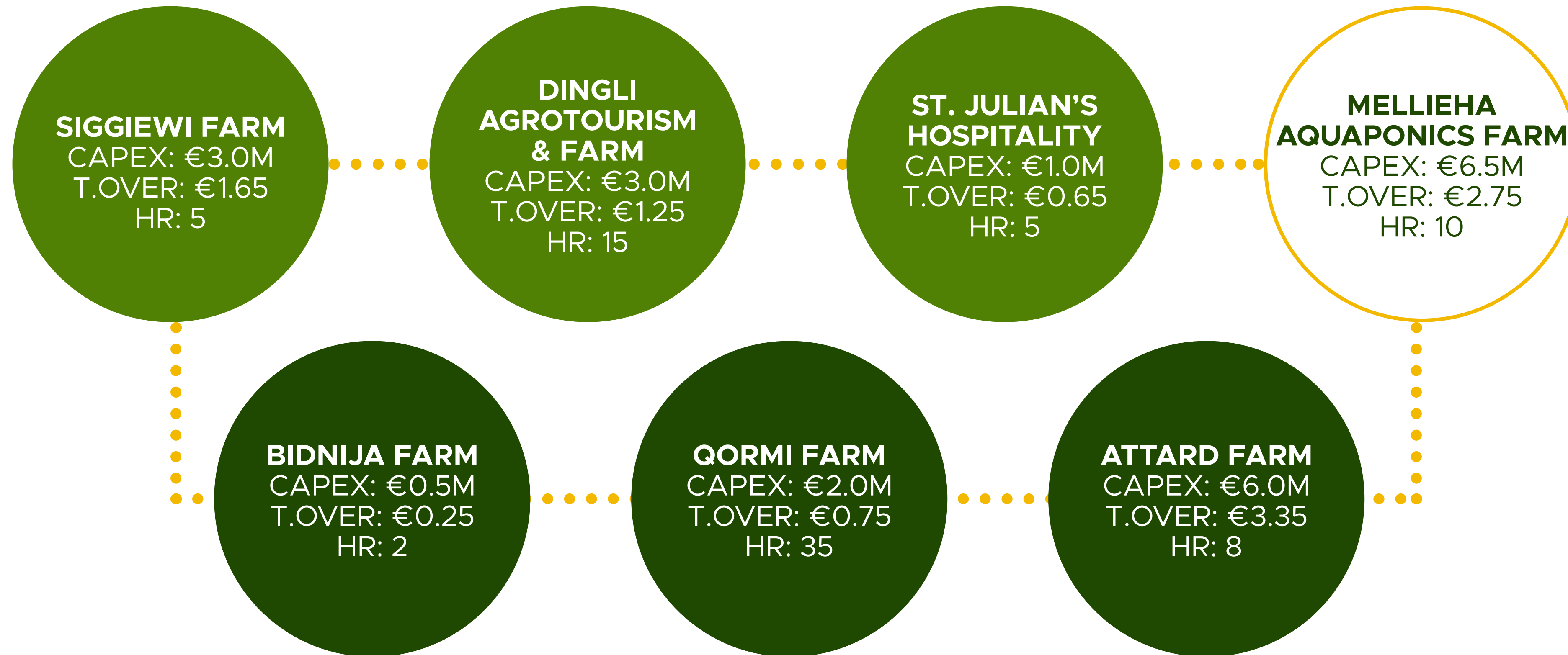
WHERE WE DO IT

OPERATIONAL SCOPE

- SHEEP & GOAT FARMING
- CONTROLLED ENV. HORTICULTURE
- AQUAPONICS FARMING
- FISH FARMING
- BLACK HOUSE FARMING
- GREENHOUSE FARMING



THE NUMBERS



TOTAL PORTFOLIO: CAPEX: €22M REVENUE/ANNUM: €10.65M HR: 80



MELLIEHA & ATTARD SITES

IN MORE DETAIL



MELLIEHA SITE

AN AQUAPONICS PROJECT

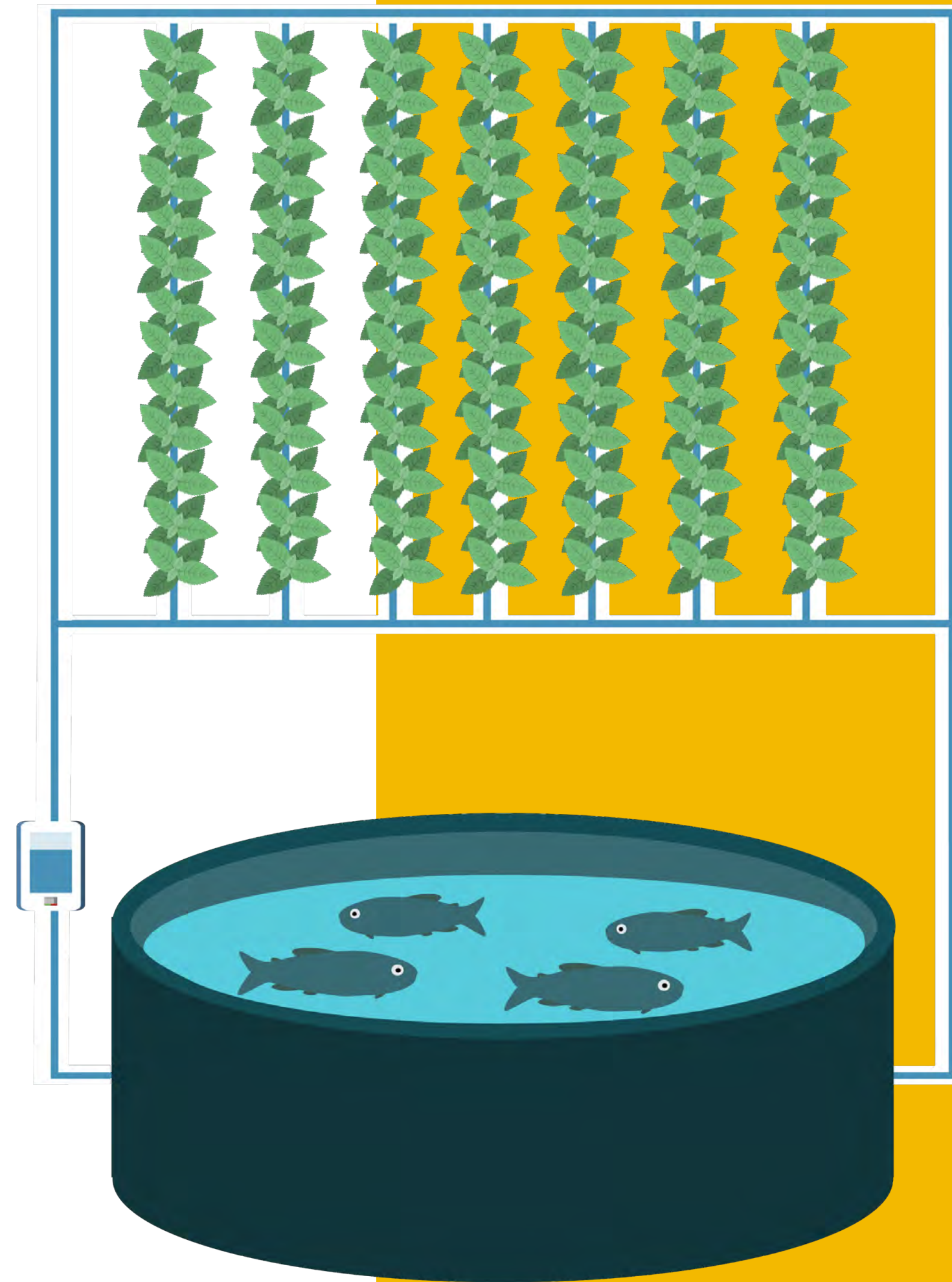
- CONTROLLED ENVIRONMENT AGRICULTURE (CEA)
- VERTICAL FARMING TO MAXIMISE YIELD
- SUSTAINABLE CIRCULAR FARMING + WATER RECYCLING
- “NEW WATER” APPLICATIONS FOR AQUACULTURE

OPTIMUM USE OF SPACE



- MAX. USE OF 6,250SQ.M ON A 3-TIER FARMING SPACE WITHIN PRESENT BUILDINGS & NEW STRUCTURES
- OVER 4 TIMES TRADITIONAL STRAWBERRY FARMING YIELD
- MORE THAN 130 TONNES FISH PRODUCE
- + 270 TONNES PREMIUM STRAWBERRIES (/ANNUM)

VERTICAL AQUAPONICS



3RD TIER

2.5M (ABOVE WATER TANKS)
PLANTS GROWN IN 2.25M
VERTICAL HYDROPONICS
COLUMNS

2ND TIER

1M (ABOVE WATER TANKS)
MEZZANINE – SPACE FOR
GANGWAY STRUCTURE

TIER 1

1M (GROUND)
37 WATER TANKS FOR REARING
FRESH WATER TILAPIA

STRAWBERRIES CEA TECHNOLOGIES



CONTROL ROOMS WILL ADOPT CEA TECHNOLOGIES TO ENSURE BEST PRODUCT & BEST YIELD:

- HUMIDITY CONTROLS
- SUNLIGHT & LIGHT
- TEMPERATURE CONTROLS
- OPTIMUM GREEN USE OF ENERGY PRODUCED

**2 FULL SEASONAL CROPS/ANNUM
DELIVER 30% MORE YIELD
STRAWBERRIES AVAILABLE ALL YEAR ROUND**

STRAWBERRIES FOOD SAFETY

THE BEST QUALITY (FOOD SAFETY TERMS) PRODUCT IN THE MARKET:

- SOIL-LESS PRODUCTION TECHNIQUES.
- MORE CONTROLLED ENVIRONMENT PROCESS
- NATURAL NUTRIENTS OBTAINED FROM FISH WASTE
- EC CONDUCTIVITY & SALINITY LEVELS
- PH MAINTAINED AT OPTIMUM LEVELS
- REDUCES USE OF PESTICIDES & CHEMICAL INPUTS



STRAWBERRIES CONTROLLED ENVIRONMENT



RESULTING IN:

- QUALITY STRAWBERRIES YEAR-ROUND
- PRODUCED FRESH & CLOSE TO MARKET
- AVOIDING TRANSPORTATION COSTS
- A REDUCED CARBON FOOTPRINT

INNOVATIVE FRESH WATER FISH FARMING



MELLIEHA SITE - A MAJOR AQUAPONICS PROJECT:

- RE-CIRCULATION OF “NEW WATER”
- LOCAL HORECA CHANNELS
- MAINLY AN EXPORT PROJECT
- FRESH WATER TILAPIA & CRAYFISH
- SPECIALITY RESTAURANTS @ PREMIUM PRICES

INNOVATIVE FRESH WATER FISH FARMING



- ON-LAND WATER TANKS
- HATCHERY OPERATIONS & GROWING UNITS
- 2 FULLY GROWN TILAPIA CROPS/ANNUM
- 1.5 CRAYFISH CROPS/ ANNUM (MINIMUM)
- 15,000 CRAYFISH CAGES (APPROX.) ALONG SIDE WALLS OF STRUCTURES

MELLIEHA SITE EMBELLISHMENT

- ENSURE REDUCTION OF ADVERSE VISUAL IMPACT
- UTILISE 12,000SQ.M. FOOTPRINT OUT OF 18,000SQ.M. AVAILABLE LAND AREA
- ENCOURAGE GROWTH OF INDIGENOUS PLANTS AROUND RUBBLE PERIMETER WALL
- INDIGENOUS TALL TREES PLANTED ALONG PERIMETER OF ALL MAJOR STRUCTURES
- SOLAR PANELS INSTALLED AT VERY LOW INCLINATIONS (LOWER THAN 13 DEGREES)

ATTARD SITE

Alfagardens



Triq L-Imdina

Knisja Madonna
tal-Vitorja

7

A MUSHROOM FARM

- CONTROLLED ENVIRONMENT AGRICULTURE (CEA)
- VERTICAL FARMING TO MAXIMISE YIELD
- MUSHROOMS DON'T GROW BY PHOTOSYNTHESIS
- MUSHROOMS THRIVE IN DAMP & MOIST SPACES

CEA & VERTICAL FARMING



**MUSHROOM GROWING UNITS
FRUITING PROCESS**

- CLEAN & ORGANIC FARMING
- YIELD=336 TONNES/ANNUUM ON 7800SQ.M.
(44 KG/SQ.M.CIRCA)
- APPROX 2.5 TIMES “NORMAL” YIELD
- SMART GREENHOUSES DESIGNED FOR
MUSHROOM FARMING
- CONTROLLED ENVIRONMENT
AGRICULTURE
- “PREMIUM” MUSHROOM VARIETIES AT TOP
QUALITY
- FOR EXPORT MARKETS ALL YEAR

MUSHROOMS

HEALTH BENEFITS

- HIGH PROTEIN ALTERNATIVE TO MEAT
- LOW IN CALORIES - NO STARCH
- RICH IN FIBRE, PROTEIN, VITAMINS & ESSENTIAL MINERALS
- OYSTER MUSHROOMS (*PLEUROTUS OSTREATUS*)
PROTEIN CONTENT = 35% OF WET WEIGHT (APPROX)
- 9 ESSENTIAL AMINO ACIDS + VITAMINS B1, B2 & D2 - & POTASSIUM & PHOSPHORUS, ETC.
- SHIITAKE MUSHROOMS (*LENTINULA EDODES*) CONTAIN ERITADENINE - REDUCES CHOLESTEROL LEVELS
- RICH IN POLYSACCHERIDES & BETA-GLUCANS & HEALTHY MINERALS LIKE SELENIUM



MUSHROOMS WORLD CONSUMPTION

- BUTTON MUSHROOM + OYSTER + SHIITAKE = 70% OF WORLD DEMAND
- DUE TO CAGR - ANNUAL GROWTH IN CONSUMPTION (CURRENTLY 6% P.A) DEMAND IS ON THE RISE
- CURRENT WORLD CONSUMPTION = 6 KG/CAPITA (ITALY > 11 KG/CAPITA)
- A MARKET ON THE RISE !!
- GOURMET MUSHROOMS - FASTEST GROWING SECTOR - HIGHEST PRICES ON THE MARKET

MUSHROOMS GROWING STAGES

STEP 1 – INOCULATION

- COMBINE MYCELIUM SPAWN WITH SUBSTRATE IN TIGHT GROWING TUBE VESSELS
- 80 x 40 x 40 (CM) BAGS WITH HOLES EVERY 10 CM
- TIGHTLY SEALED IN OPTIMUM CONDITIONS

STEP 2 – INCUBATION

- TEMPERATURE AT 20-24°C ALLOWS SPAWN TO COME ALIVE
- MUSHROOMS REQUIRE 90 to 95% RELATIVE HUMIDITY
- 5-8 WEEKS PROCESS TO HARVESTING

STEP 3 – FRUITING CONDITIONS

- NO DIRECT SUNLIGHT
- A MIST - SPRAY GUN - WITH CLEAN WATER 1 x DAY
- FRUITING PROCESS - 7 DAYS. NEW CROPS AVERAGE - 7 to 14 DAYS



ATTARD SITE EMBELLISHMENT

- ENSURE REDUCTION OF ADVERSE VISUAL IMPACT
- UTILISE 11,000SQ.M. FOOTPRINT OUT OF 14000SQ.M. AVAILABLE LAND AREA
- ENCOURAGE GROWTH OF INDIGENOUS PLANTS AROUND RUBBLE PERIMETER WALL
- OLIVE TREES PLANTED ALONG THE PERIMETER - IN ADDITION TO PRESENT TREES
- SOLAR PANELS INSTALLED AT VERY LOW INCLINATIONS (LOWER THAN 13 DEGREES)

OUR INTERNATIONAL PARTNERS



CHINESE AQUACULTURE EXPERTS



HVAC SYSTEM SOLUTION EXPERTS



WATER CIRCULATION CONSULTANTS



HYDROPONICS & VERTICAL FARMS EXPERTS



INDOOR LIGHTING REQUIREMENTS EXPERTS