



**BIOTELs Vision was developed in 1994 by Philip Moore In partnership with his team of multi-discipline professionals in Corby UK. This Initiative was based on the practical realisation that Composting organic wastes using: State of the Art composting systems could never convert Bio- wastes into Guaranteed pathogen free product for Reuse as a certified validated Pathogen free Organic Fertiliser.**

## **Biotels Vision:**

Our Vision is of a world that no longer depends on chemical fertilisers and the detrimental effect their use has on global agriculture. Plus the fact chemical fertiliser use is contributing to Global Warming and damaging our worlds valuable soils and ecosystems! The global environment must be protected for all mankind! To achieve this chemical fertilisers use must be replaced by certified Sustainable Organic Fertilisers that will promote: global health, environmental protection, and create healthier crops and prosperous sustainable farming.

BIOTEL's mission and Bio-process development commenced in 1994, our vision has been demonstrated and proved by practical certified operation and full compliance with UK/EC animal Byproducts regulations.

The Biotel Process is now ready for rollout on a global basis! To assist this Biotel/Philip Moore has been awarded in recognition of its Work creating systems to manufacture pathogen free organic fertilisers, a GREEN APPLE AWARD! Biotel systems contribute directly to the mitigation of global greenhouse gas emissions. Considerable interest is being experienced from countries around the World who Since the Cop21 conference in Paris are all seeking methods to practically contribute to the mitigation of Global Warming and improve the sustainability of the crops they grow. Biotel Sustainable Organic fertilisers manufactured in their countries can make both a positive Environmental and. Economic contribution to the performance of their agriculture.



## **Biotel's Mission**

**In 1994 Was to develop, engineer. And prove for world-wide use a simple state of the art bio-process system that empowers farmers to quickly convert characterised organic AG wastes into certified organic fertilisers for manufacture and use by farming around the World to Grow sustainable Crops.**

Our Progress;

1/ 1994-1997 aerobic process systems were constructed and developed and engineered initially as a planned program in cooperation with Birmingham University and an EEC grant of €1.7million. This R&D phase at Corby was concluded by the construction and operation of the MK1 Biotel system operated on trial production basis at Corby, Northants UK by Lammas Resources Ltd. This initial Biotel system was diverting 17000 T/year organic waste generated by GEEST in food manufacturing into a value added Animal feed product as an option to Landfill disposal. This Trial Biotel operation continued until 2001. Note: This success was reported in The Fresh Produce Journal July16:1999.

2/ Continued progress 2000 requirements of UK/EC Gov regulations introduced to ensure no repetition of Foot & Mouth disease epidemic a MK.2 Biotel system was engineered to fully comply with

The UK/EC Government Animal Byproducts Regulation. A BIOTEL facility was constructed and engineered and demonstrated to DEFRA/SVS, it was issued a full UK/EC ABP Regs License for operation at Matts Hill Farm, Kent. This Biotel facility then cooperated with Wye agricultural College to develop a range of procedures and protocols based upon the conversion of a wide range of ABP organic wastes and high risk organic sludge's generated by the fishing, meat including Poultry and agricultural industry were converted on a trial basis into value added products including Fertilizers and animal feeds this work program continued until 2006 when it was agreed with the Farmer who owned the site the Biotel system would be operated as a standalone business by Biowaste Recovery Ltd as an operation licensed and Audited by the UK Environment Agency ([www.BiowasteRecovery.com](http://www.BiowasteRecovery.com)). please note as May2017 this is still operating on a 24/7day basis.

3/ Enquiries from Indonesia, West Africa and Malaysia were received into the requirements to manufacture sustainable food commodities. BCPR feasibility studies ref the application of Biotel technology to manufacture plus visits and studies into these countries requirements to manufacture sustainable fertilizers from agricultural wastes were completed. A market application survey revealed a requirement to develop Modular Demountable systems for operation on very small sites



was required both for use in the UK/EC for the reuse of food Wastes. Plus application in Export markets required the proved Biotel systems be re-engineered as easily demountable systems for easy application in export markets. This requirement was satisfied by the construction of a pro type demountable Biotel system to demonstrate and practically test and develop the technology in full production operation. The site was at Topcliffe near Thirsk Yorks tests were satisfactorily completed and the Biotel system was certified to comply with UK/EC ABP Regs. This R&D proved that Modular Biotel Systems of 10 --100 tonnes /day can be operated on small sites from 20m x25m or sited in existing small industrial units nestled in the Urban Environment. Currently Biotel are quoting for the supply and use of Biotel technology and systems in Africa. However, to practically utilise the proved Biotel technology further funding is sought to enable Biotel to practically demonstrate in the African market its capability to manufacture Sustainable Organic fertilisers. A valuable feature of the Biotel technology for use in Africa is it enables sewage sludge's to be converted into a guaranteed pathogen free fertiliser (the Ebola epidemic in Sierra Leone has caused most African Nations to seek methods for the safe/sanitary disposal or reuse of sewage sludge).

## **Biotel's Technology**

Our Technology is a proprietary Enhanced Autogenous Thermophilic Aerobic Digestion system engineered to safely and quickly converts organic wastes into a pathogen free, government validated, bio-organic fertiliser within 36 hours maximum process time!. Note:- "Biotel is NOT a type of inefficient fast composting process."

## **Biotel's Advantages**

Advantages include:

1 Sustainable. Pathogen Free Fertiliser produced quickly that are manufactured by the Reuse of Organic wastes these can be Agricultural wastes ,animal wastes or sludges ( including Sewage sludges) and Food-wastes.

2. A Validated Organic Fertiliser that qualifies farmers or selling organisations to label their produce/Crops as "Sustainable" !

3/. BIOTEL can produce a validated Bio-SAFE organic FERTILISER at total manufacturing cost in the Region of \$150per Tonne. That is 1/3rd cheaper than most Chemical and Organic fertilisers imported into the quickly Emerging ECOWAS nations!

3. A Fast Processing Time Units can be small modular semi-mobile units or larger modular stationary units

4. Very low operational costs

5. Low Capital Investment



6. No Emissions of any methane gas or any malodorous by-products if used for commercial production (not self use), the Return on Investment is about 50% per year
7. Reduces needs for government subsidies to purchase chemical fertilisers for agriculture.
8. The Biotel Organic Fertilizer is more efficient than chemical fertilisers and creates only a positive impact on the SOIL and linked ECO environment.
9. Increases the yield and quality of the crops
10. Acts as an Organic Agricultural Pest inhibitor
11. Biotel establishes Joint Ventures with qualified ethical partners for the global distribution and use of the technology.

## **Biotel's History**

1. Private Research and Development Grant given to Philip Moore/PMA in 1994 to develop the technology demonstrated pathogen free Organic Fertiliser production in Corby UK in 1997.
2. Established a Commercial Biotel Plant in Matt's Hill, UK 2002, which has been operating continuously fully compliant with UK/EC Gov Animal by products regulations until present.
3. Has passed all government audit testing confirming continued compliance with UK/EC gov. Regulations .
4. The Plant in Matt's Hill has processed a large variety of organic materials and has passed government certified compliance tests for 14 years.
5. Scientific tests were performed on the fertilizer and it's actually productivity on various target crops (Results are available upon request)
6. Both QA and QC verifications have been made of Biotels Organic Fertiliser

## **Biotel's Offer**

Biotel is seeking ethical partners to be Biotel Joint Venture partners who will manage businesses to utilise Biotel's proprietary technology in their country. Biotel will provide commissions on the sale and construction of units and a 1/3 share of ongoing royalty fees from projects implemented by its appointed JV partners.

WHAT Biotel is seeking fertiliser end-users Organisations such as farming supply groups or suppliers and importers of other Organic Fertilisers as to a JV partner who have projects that require application of Biotel technology they can purchase the technology directly from PMA/Biotel!

Biotel is seeking environmental developers or consulting firms that would promote the use of BIOTEL technology to manufacture Organic Fertiliser for use in specific Agricultural projects. There would be no licensing fee charged, but the promoter would receive a commission only and no share of the royalty fees.

Governments that contract directly with Biotel for Validated official Technology Transfer Projects to purchase and install multiple units in their country for the ETHICAL benefit of their Farmers will receive an agreed reduction in the royalty fees payable on all Sustainable BIOTEL Fertilisers produced.

NOW! is the time to REDUCE the GLOBALLY production and use of Environmentally damaging chemical fertilisers:-

\* THIS ACTION is a KEY. If the nations of the World are to mitigate one of the main causes Driving Global Warming they must promote the replacement of Chemical fertilisers which generate and emit Green House Gases during the Crop Growing cycle.

\* However it is recognised by Agriculture, farmers and Humic scientists worldwide that the sustainable conversion of their organic wastes into certified Pathogen free Organic fertilisers offers many Positive benefits environmentally, ecologically and economically.

\* Biotel has created a system which offers an alternative to the purchase of Chemical Fertiliser with economic savings that can be gained by the certified use of Biotel

\* Biotel estimate that they can manufacture and supply Organic Fertilizers for less than the amount currently paid for Chemical

\*\*\* Additionally most African nations can



technology and system feasible Organic production and continued use of plus Potential economic can be gained by the technology.

Biotel Systems can supply Sustainable Organic 1/3rd The price of Chemical Fertiliser in Africa.

Projects to manufacture Organic Fertilisers in Africa can qualify for Carbon

Emission Reduction Certificates using the CDM process and add value to any projects.



\*\*\*Contact us [Join the Biotel Revolution in Sustainable Agriculture!\\*\\*\\*](#)

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