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For A World Of Growth

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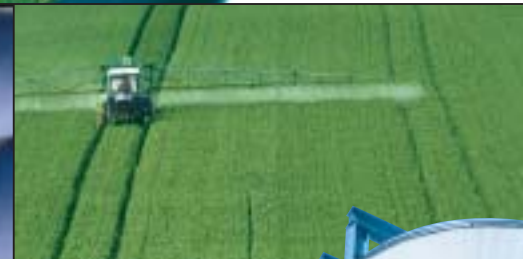
TSX Venture Exchange
(TSX-V): IBR



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*From Waste to Resource...
"Closing The Loop"*



“The IBR Vision”

IBR is setting the global standard for the management of organic waste and the development of commercial biological products for conventional agriculture to increase crop yields, reduce plants’ susceptibility to disease, and dramatically reduce the world’s dependence on agricultural chemicals.

Converting waste... from *problem to resource*

IBR offers waste generators and regulators a unique and cost-effective alternative to landfill disposal and incineration of organic wastes, bringing an end to toxic leachate and greenhouse gas emissions.

Now with IBR’s advanced ATAD (autogenous thermophilic aerobic digestion) technology, biodegradable waste can be converted into environmentally progressive soil fertility products in a matter of days. These concentrated, homogeneous products constitute a natural nutrient system that rebuilds damaged, depleted soils and improves soil fertility year after year. The result is vigorous, disease resistant plants and higher yields.

The process generates front-end revenue from the collection of organic waste (tipping fees) and back-end revenue from the sale of fertilizer concentrates. IBR’s patented technology, unique on a world-wide scale, can process a variety of organic waste streams effectively and efficiently, including food waste, agricultural manures as well as surplus organics from food production.

IBR’s advanced ATAD technology is unique and revolutionary in its;

- Ability to process mixed organic waste from various sources
- Rapid processing time
- Higher operating temperatures than conventional ATAD
- Complete pathogen kill
- Ability to consistently manufacture uniform, high quality products

Currently, most organic waste is sent to landfill raising many environmental concerns, such as:

- Toxic leachate
- Greenhouse gas emissions
- Odours
- Vector attraction

Organic waste from food sources includes vegetables, fruits, grains, meats, fish, dairy products, etc. An average of 1 kg per person per day of organic waste is produced, originating from the following sources:

- Households
- Food Processors & Wholesalers
- Restaurants
- Institutions



With IBR, the environment wins all round

IBR’s unique technology and biological fertility products have revolutionary and far-reaching potential. On the one hand, IBR offers municipalities and generators of biodegradable waste a cost-effective alternative to landfill disposal and/or incineration, while reducing toxic leachate and greenhouse gas emissions. On the other hand, by converting biodegradable waste into products beneficial to soil fertility, IBR is stemming the current one-way flow of nutrients and organic matter from the soil by providing food producers with the means to reverse their increasing dependence on chemical inputs. Simply put, the company’s proprietary technology safely and economically ‘closes the loop’ on the natural nutrient cycle.

The Opportunity

Governments and society need a waste disposal solution that is economical, efficient and that does not add further environmental pressures to our growing world. Commercial growers require practical solutions to the problems caused by intensive farming practices, and the increasing use of chemical inputs. IBR’s process addresses these issues.

For municipalities seeking new ways to cope with increasing volumes of biodegradable waste and sludges, IBR offers a unique and effective solution.

Verification of IBR’s Technology

The Government of Canada, through its Environmental Technology Verification (ETV) Program, has independently verified IBR’s technology for converting biodegradable waste material into organic solid and liquid products. The ETV program is a joint Environment Canada – Industry Canada initiative delivered by ETV Canada Inc., designed to support Canada’s environment industry by providing credible and independent verification of technology performance claims.

In the United States, an independent agency in the Commonwealth of Massachusetts has evaluated and accepted the effectiveness and commercial potential of the IBR technology in an extensive environmental report by the Strategic Envirotechnology Partnership (“STEP”) program.





Autogenous Thermophilic Aerobic Digestion (ATAD), invented and implemented in Germany, has been used successfully for several decades to process sewage sludge. It is a proven and efficient form of biological conversion, particularly where pathogen contamination is a health concern and a safe and clean end product is desired.

IBR's Advanced ATAD Technology

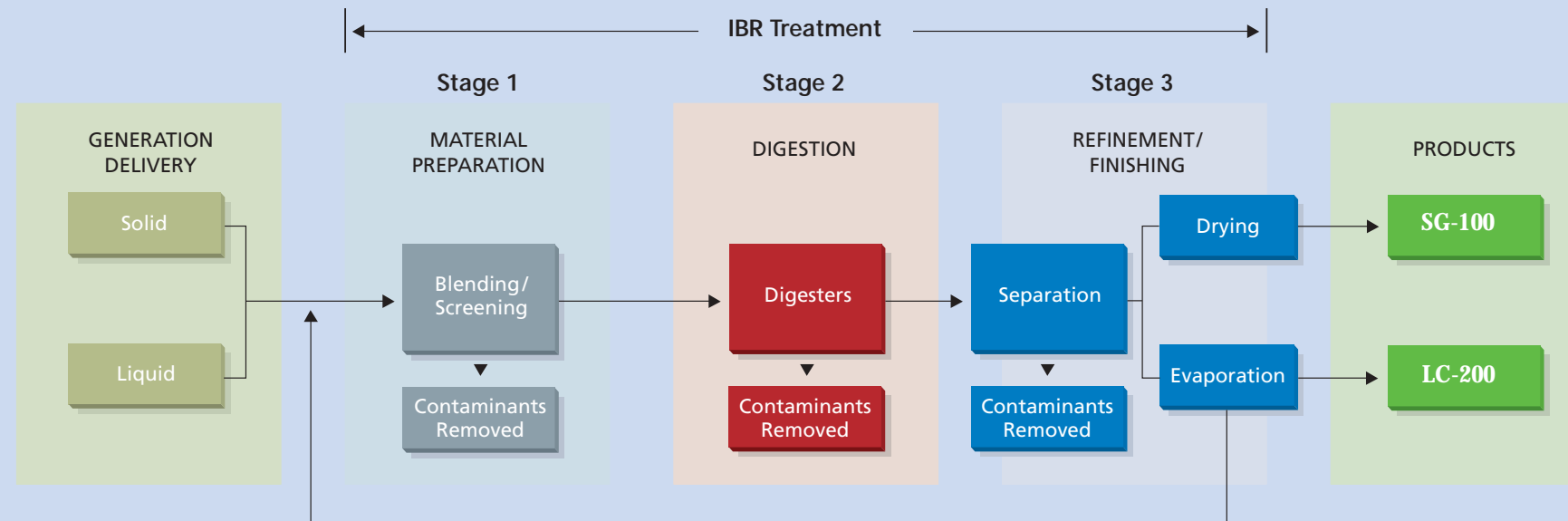
IBR has significantly improved on this established and accepted technology to create a revolutionary ATAD process that is able to digest mixed organic waste materials at higher temperatures in a matter of days. This was impossible to achieve with conventional ATAD systems and IBR's advanced ATAD technology is still the only one in the world that can accomplish this.

Using naturally occurring thermophilic bacteria, IBR's patented technology converts organic materials from their original form to high quality, pathogen-free, environmentally progressive soil fertility products within 70 to 120 hours. The end products are uniform, pasteurized organic fertilizer concentrates that promote healthy plant growth and enhance beneficial microbial populations in soil. These valuable properties are present in POFC-100 (solid) and POFE-200 (liquid) produced by IBR for agricultural, horticultural, and turf markets.

IBR's process, developed in cooperation with the National Research Council and the University of British Columbia, is unique in its ability to process mixed, high-moisture organic waste generated by four primary sources including organic waste from food sources, livestock waste, fish waste and municipal sewage sludge into valuable products.

No harmful emissions

No emissions of harmful gases or odours occur during IBR's processing of organic waste materials. Complete elimination of odours is achieved using a biofilter, a unique biological method of cleaning the air. The entire plant operates under negative air pressure, ensuring its environmental integrity and enabling plants to be located next to sensitive urban areas on a small footprint.



The IBR thermophilic aerobic process consists of three stages:

1. Preparation of materials

Organic waste, containing up to 10 percent inorganic contaminants, is received in the plant where it is inspected and mixed for processing. The material is macerated to create a slurry. Large and heavy inorganic contaminants are removed by vigorous screening, centrifugal action, and gravity.

2. Digestion

Once the target consistency and pH are met, the organic slurry is brought up to thermophilic range and inoculated in a digester. To maintain bacterial activity during digestion, the slurry is briskly agitated and saturated with oxygen using patented Shearators.

The thermophilic bacteria generate heat in excess of 75°C by consuming organic particles until full conversion is realized. The combination of high temperatures and bacterial activity allows complete conversion and pathogen removal (meeting EPA 503 Regulations).

3. Refinement of finished product

Once the digestion process is complete, the slurry is mechanically dewatered to yield a liquid filtrate and a solid cake. These are refined to produce IBR's line of organic fertility products called Genica. Portions of the resulting filtrate are clarified and concentrated to produce LC-200, and the solid portion is dried and pelletized to produce SG-100. IBR plants generate 5% of their digestive capacity as SG-100, and 4% of their digestive capacity as LC-200.

Genica Fertility Products

SG-100 (solid granular)

A "pasteurized organic fertilizer concentrate" that provides a complete nutrient and biological platform to enhance beneficial microbial populations and promote soil regeneration. Several crumble sizes allow for easy application using conventional commercial spreaders. Concentrated and uniform product, cost effective transportation and extensive shelf life make this product ideal for commercial agriculture.

LC-200 (liquid concentrate)

A "pasteurized organic fertilizer extract", which contains vitamins, essential amino acids, enzymes, plant hormones, and organic acids for healthy

plants and soil. Easy application with commercial sprayers, cost effective transportation and extensive shelf life make this product ideal for commercial agriculture.

Genica organic fertilizer concentrates are a natural nutrient system that rebuilds damaged, depleted soils and improves soil fertility year after year, resulting in vigorous, disease resistant plants and higher yields. Genica concentrates are immediately available for application and uptake by plants. Moreover, Genica formulations can be applied using commercially available spreaders and sprayers.



Additional Applications

Livestock Waste

Recently, there have been many environmental and health concerns over the disposal of agricultural manures from industrial farms. The high concentration of livestock waste in farm areas has resulted in contamination of aquifers and wells that supply drinking water to surrounding communities. Improper disposal of manures has been linked to numerous deaths and illnesses due to:

- Presence of deadly pathogens (E. Coli, etc.) that can poison drinking water
- Seepage into ground water
- High concentrations in small areas
- Land spreading that pollutes streams and aquifers

Municipal Sewage Sludge

Municipal sewage sludge does not pose the same risks as livestock waste because it is usually treated prior to disposal, however, some concerns still remain over the safety of the final product due to:

- Concentration of heavy metals
- Pathogens

IBR has succeeded in effectively processing mixed feed-stock/waste streams including food waste, agricultural manures, fish waste, septage and sewage sludge. Through



a fast, economically viable ATAD process, IBR digests these wastes to create uniform and consistent products for commercial agriculture that are stable, pathogen-free, and transportable. The overall cycle time from tipping floor to finished product is typically 5-6 days.

How an IBR facility can benefit you

1. Quick turnaround time – 6 days from waste to resource.
2. A clean, stable and pathogen-free product that has high market value.
3. Successful and predictable outcome.
4. State-of-the-art patented equipment and technology.
5. Continuous research and development provides process enhancements as well as market and product development.
6. The most advanced technology and versatile digestion process in the world.
7. Established markets for fertilizer products.

With IBR, you are in the forefront of organic waste processing technologies. You will benefit from continuous research and development efforts to enhance and optimize the process. You will generate revenue from the sales of your fertilizer products rather than be burdened with the disposal of treated waste. In addition, you will profit from all research and development of IBR's premium fertilizer products, resulting in increased revenues from their sale.

Urban centers are the major generators of organic food waste and as a result have the largest disposal problems.

City	Organic Waste Generated
Metropolitan New York	12,150 tons per day
Greater Toronto	5,850 tonnes per day
Greater Vancouver	2,700 tonnes per day

The costs of solid waste management, planning and implementation are increasing. Existing landfills are nearing capacity and siting new landfills is a monumental challenge. Transporting waste to other parts of the country for disposal is a temporary and expensive solution for many urban centers, yet municipalities have been slow to introduce new environmental technologies.

While recycling programs for glass, metals, and plastics are widely implemented, the most difficult and problematic organic waste stream continues to threaten our environment as the ratio of organic to inorganic materials in landfill increases. IBR's environmental ATAD technology effectively processes wet organic waste, reducing the hazardous environmental effects created by decomposing organic matter in landfills.

Current waste disposal options have their limitations and their own environmental problems:

Landfills

- Nearing capacity
- Toxic leachate & water issues
- Greenhouse gas emissions
- Odours
- Vector attraction
- Public resistance to new sites
- Limited land available



Incineration

- Residue problems
- Air pollution
- Destruction of nutrients
- Concentration of heavy metals
- Odour emissions

Composting

- Large area required
- Long processing and curing time
- Ineffective pathogen removal
- Vector attraction
- Inconsistent product
- Low market value of end-product

Until now, traditional methods of treating organics have been unable to effectively process waste containing high quantities of contaminants. IBR's conversion process is remarkable in its ability to continually and successfully process biodegradable waste materials with up to 10% non-biodegradables in its mix. The resulting product is a clean, organic, pathogen-free fertilizer concentrate.

