



# Renewable Green Energy of Michigan

*Building the Bridge to a Green Economy™*

The Platform for Launching Michigan's Sustainable Economy

## Delmia and RGEM Strategic Alliance

### Potential Phases of 'Product' Presentation and Engineering Design Development

*Updated Draft Thoughts, Thursday, February 15, 2007, drm*

#### **Phase I – 3D Imaging of Components for Presentations: Web, Power Points...**

1. 3D model of three components integrated.
  - a. Plasma Vessel
  - b. Reheat Boiler
  - c. Gas-to-Liquids (Ethanol)
2. 3D model of the reheat boiler creating steam to drive turbine for electrical power generation for running plant and site.
3. 3D model of Plasma Vessel melt being returned as steel, silver, ingots, and vitrified glass for use in making fire proof light weight paneling, gypsum for road brick...
4. 3D of Waste Streams to feed stocks: collection, processing, storage for Municipal Solid Wastes to Hermetically sealed hazardous wastes.

#### **Phase II – 3D Modeling of Integrated Components for Presentations**

1. Model of Plasma Ethanol Plant
  - a. Inside floor 3d
  - b. Outside
2. Model of Sample Site "Plot Plan" (Plant, Feedstock storage, processing, conveyer belts, plant, ethanol tanks, transportation hub... (See Visio plan)
3. Michigan Regional Model of waste staging - collection, processing; landfill mining; shipping to Plant(s). Neighboring states and Canada feed of wastes.

#### **Phase III - Animated, "Video" Presentation**

Assembling video clips demonstrating working equipment and processes, interwoven with 3D models to create a animated story board presenting all the above in one seamless presentation.

#### **Phase IV – Engineering 3D diagrams**

1. Engineering on waste conveyers, plasma feeds ...
2. Engineering on coupling between Plasma and Reheat Boiler, then reheat boiler and gas-to-liquids.
3. Engineering on Reheat boiler to steam to power generation.

**Phase V – Plasma Energy Plant fabrication facility 3d design and engineering.**

1. Designing Plasma Energy Plant fabrication facility (building modularized plants for shipping and assembly.)
2. Engineering Plasma Energy Plant fabrication.
3. Depicting plant assembly and eventually multi-language .

**Phase VI – National Multi-Plant Logistics Modeling**

**Phase VI – Emerging Green Technology Presentation, Branding, Publicity, Engineering, ....**

**Delmia Branding, Marketing, Cause Marketing, Signature Campaigns**

**Energy, Environment, Economy**

Government, Corporate and Workforce Collaborative Campaign

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This is first the SEI, Synthetic Ethanol Initiative, which is implemented by PEP, the Plasma Ethanol Plan.

Secondly, this is the TWI, Transformative Waste Initiative, made operational by the TWR Transformative Waste Recycling processes.

The front end is the corporate and government campaign, the back-end is the new technologies.

Our alliance in supporting each other’s powerful presence in the public market place is key to our collective success in accelerating the campaign above. It was exciting sharing these ideas and how they will impact our mutual success -

Government Partnerships

Corporate Alliances

Our support for each other in branding and positioning Delmia as an example of cutting edge technology in support of enterprises changing the economic landscape. Delmia the tool of emerging technology, telling the story in pictures, creating an image of new possibilities, while engineering the

details. You are a leading curve, paradigm shifting, international company headquartered in Michigan.

Your technology, acumen and savvy are the best-of-the best. You are the tool for expediting success for us and all the new technology to follow. Your hearts and public commitments are evident, together we can build government and corporate recognition. As we meet with government and industry officials your branding is behind us and “in front” us, “Empowered by Delmia.”

It will be fun to play together and build together.