



Creating Wealth from Crop Residues

Featuring: GreenEnergyPark™

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DalinYebo

Innovative Minds: Converting Biomass to Chemicals and Energy

About DalinYebo (Since 2001)



- Technology Development & Transfer:
 - Commercialisation of award-winning process to make biobased chemicals, sold to Australia and licensed in India.
 - Successful VC exit in 2007

- Biorefinery/Co-gen Business Owners:
 - Secure biomass supply chains
 - Production facilities for chemicals & energy

Top: **\$30million** Biobased chemicals plant (Australia), integrated into a sugar mill that has a **16MW** co-generation plant.

Middle: **\$20million** greenfields biorefinery (India) with **±2MW** co-generation plant.

Bottom: **\$10million** greenfields biorefinery (SA) with **±2MW** co-generation plant.



Purpose Driven & Focused Team



- Philipp Steiner, CEO: Built teams for successful project and business start-ups; International IP/technology transfers.



- Brent McKeon, Marketing: Several global chemical product start-ups; Commodity marketer.

- Harvey Wilson, Projects: Multi-million \$ turnkey contracts.

- Bradford Wills, Engineering: Technology selection and improvements; manufacturing specialist.



- Principals of our USA JV partner*: Over 60 years of energy conversion experience.



- Network of Specialists:
 - EIA, plant pathology, farming
 - Biomass combustion, IPP/PPA expertise



Ask: \$1.0m Series-A + \$17m Series-B



- Cleantech Investment
 - “A”: 12 months to BFS
 - “B”: 18 months to start-up



- Smart technologies
 - Agricultural residues
 - Electricity
 - Chemicals, using waste heat
 - Chem Off-take for 35,000 tpa (US\$75 million!)



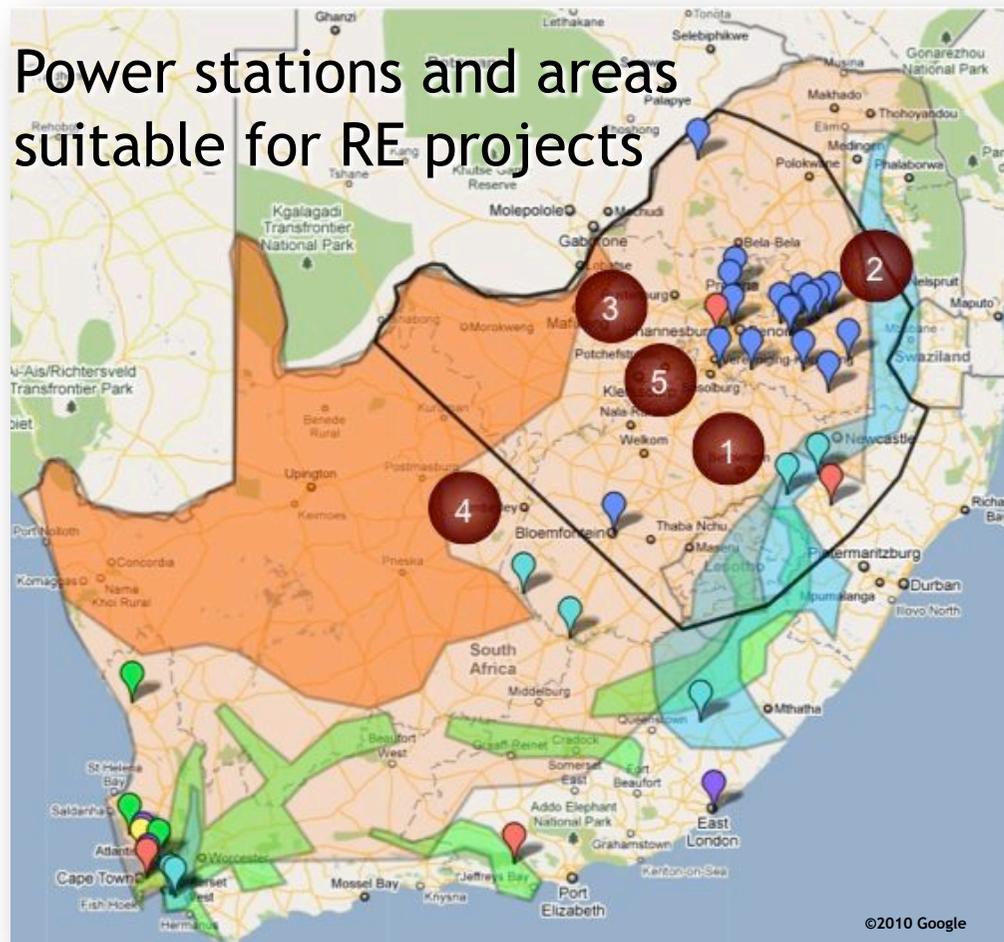
- ±3.5 years payback
- IRR >30% (10 years)
- Enterprise value ±\$30m
- Exit proposition (5 years)
- Replications (Carbon copies)!



Corn cob to Chemicals & Energy



GreenEnergyPark™ Locations (proposed)



- SA Biomass Resources (2004):
 - Sugar Cane Trash - 5.3mil ton/yr
 - Forestry Waste - 3.1mil ton/yr
 - Maize residues - 9.5mil ton/yr
- Biomass - most suitable RE source in SA inland agricultural region
- Using proven technology:
 - 9,500,000 tons of cobs!
- GrEnPa™'s Alpha Project
 - Furfural 5,000 tpa
 - Electricity 1.5 MW



Global Positioning

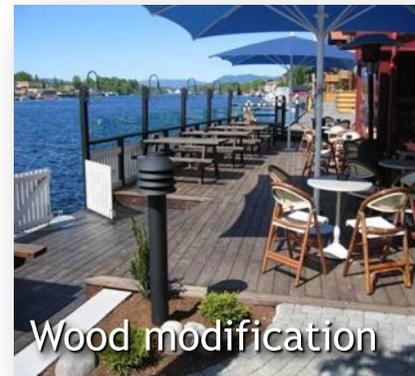
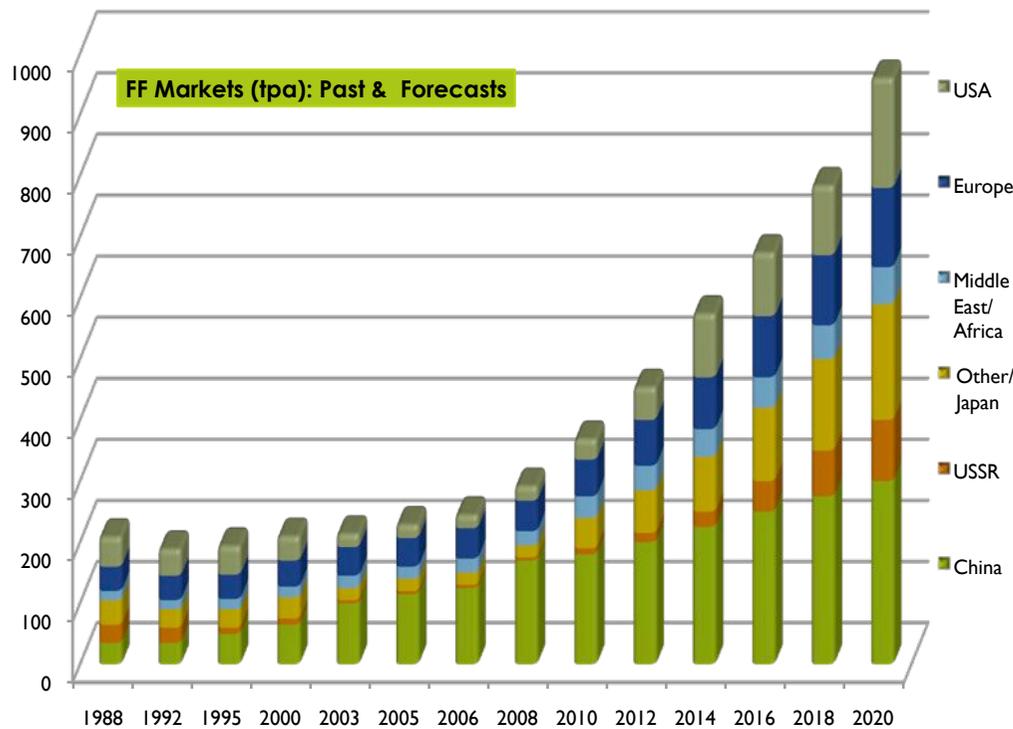


-  Offices / Associates
-  SupraYield Plants
-  Completed Studies
-  Project Developments (Mar'11)



Our Furfural Business

- Extracted from corncobs, **furfural** is an industrial chemical that could have a 20-25% pa market growth, due to demand for “biobased” products, if it is made continuously and competitively.



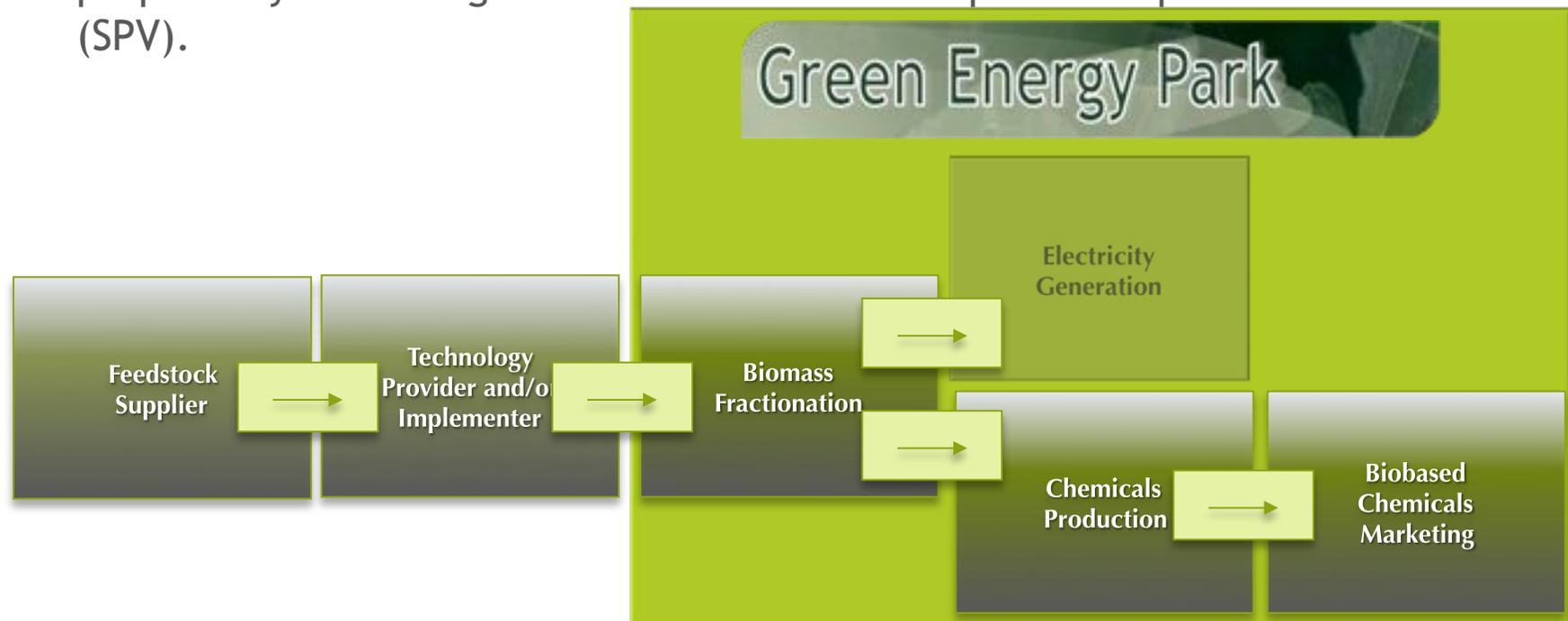
Revised Business Model

Moving from

- being a Technology Provider (only)

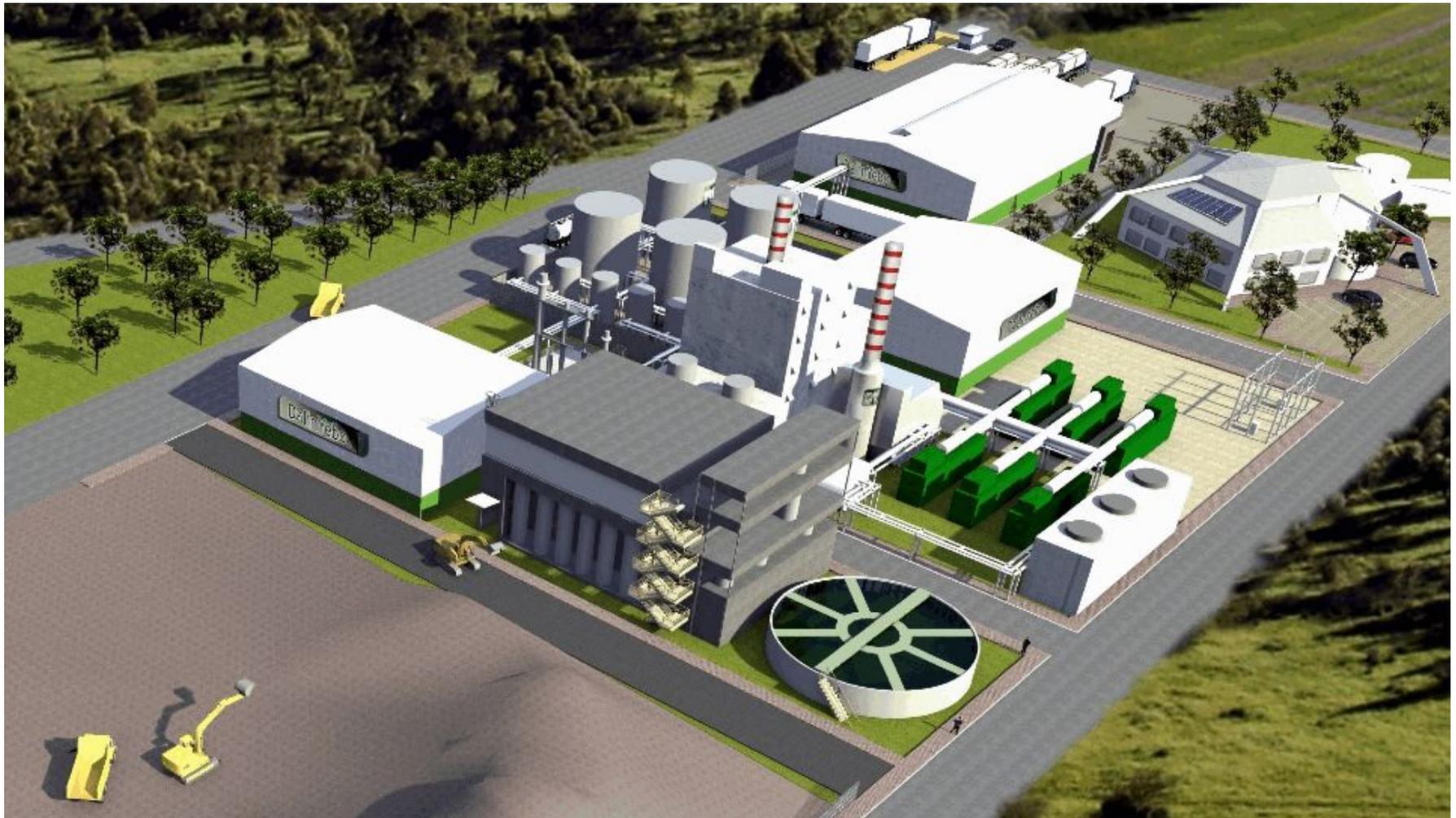
to

- becoming joint Business Owners (with Biomass Suppliers), integrating our proprietary Technologies and Smart Ideas in a Special Purpose Vehicle (SPV).

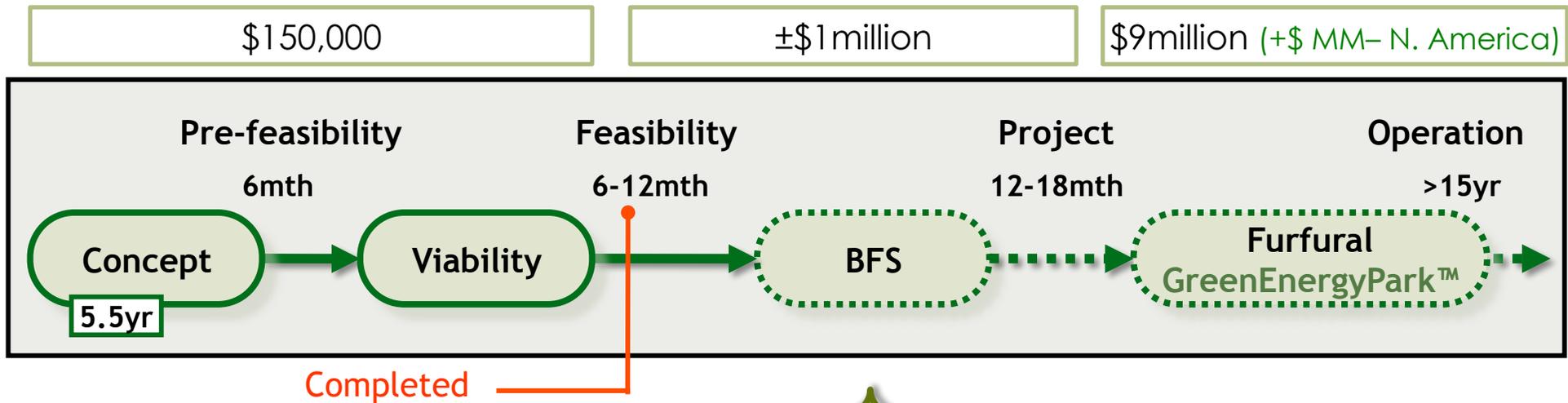


GreenEnergyPark™ Development by DalinYebo

Biorenewable Chemicals, Energy and Green Jobs



History, Progress and Future Work



1. Agreements

- ▣ Investment Agreements
 - ▣ Incl. BFS
- ▣ Supply Agreements

2. Collection/ Conversion Technology

- ▣ Suppliers confirmed equipment availability
- ▣ Technology Trf to SA

3. Off take

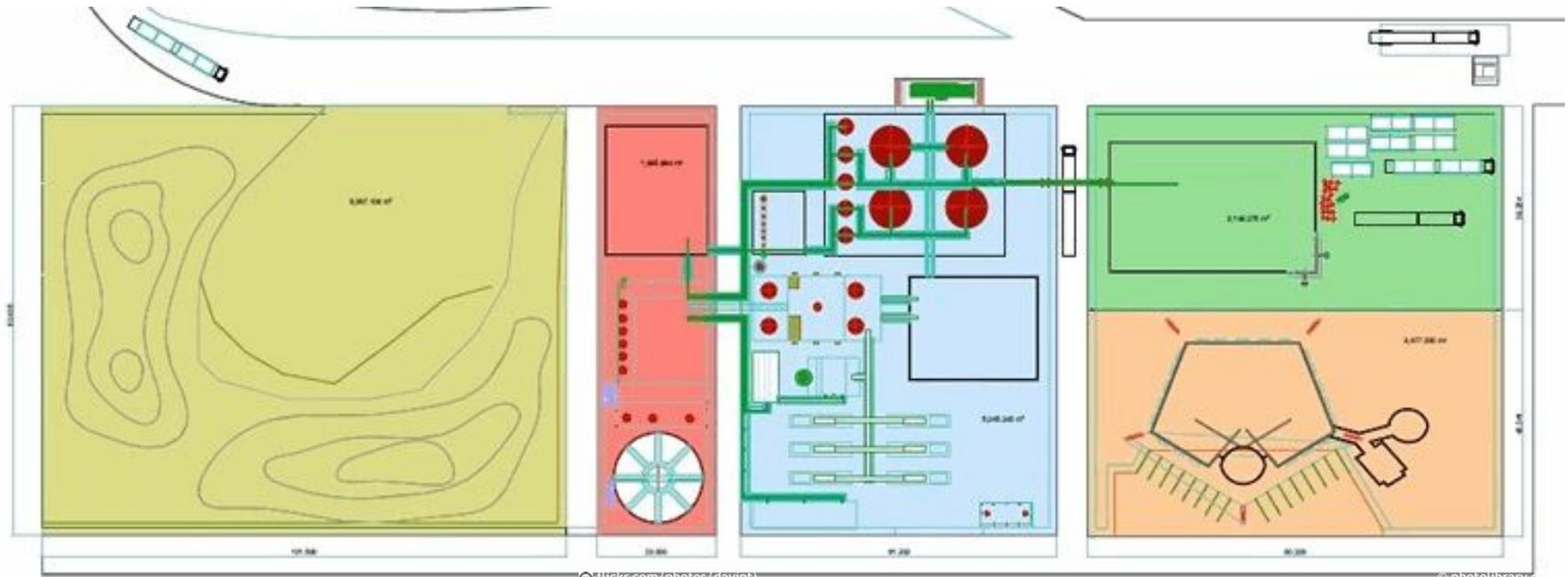
- ▣ FF: Confirmed
- ▣ Elect.:
- ▣ Own consumption?
- ▣ Or Lignocellulose



Example: Business Headlines

- ❑ CAPEX for first GrEnPa™: US\$ 17 million.
- ❑ Payback period: <3 yrs. ROI> 30%.
- ❑ Excludes any considerations derived from
 - ❑ CDM/Carbon credits or
 - ❑ Enterprises development
- ❑ 20 months to construction start (EIA!). 30 months to commissioning.
- ❑ SPV: DalinYebo subsidiary Cobelec (Pty) Ltd:
 - ❑ Project developer
 - ❑ Participating in building and operating the plants (with co-investors and project finance)
 - ❑ SA Power Engineering Group (black empowered company).
 - ❑ E&Co: A US-based investment company (possibly in collaboration with a Norwegian investment fund)
 - ❑ IDC shown interest





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