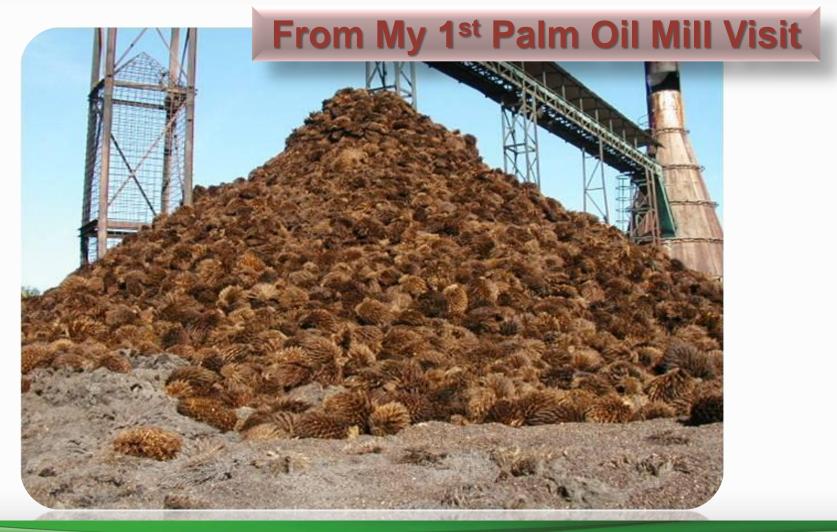
#### GREEN BIOMASS INDUSTRY



Business Opportunity and Collaboration with University

# My Story ....





SENARIO OF GHG

If EFB send to landfill .... "1 TON OF EFB CAN GENERATE 0.035 TON OF CH4 (METHANE)"

= 19,301,168 X 0.035 **675,540 TONS METHANE** 1 ton of CH4 is equivalent to 24 ton of CO2 675,540 x 24 times = 16,212,960 tons CO2



## NIY STORY ...



### BIO-WASTE EFB EMPTY FRUIT BUNCH

### 23 MILLIONS MTS EFB IN MALAYSIA



# To Create ....

68 J. C.J

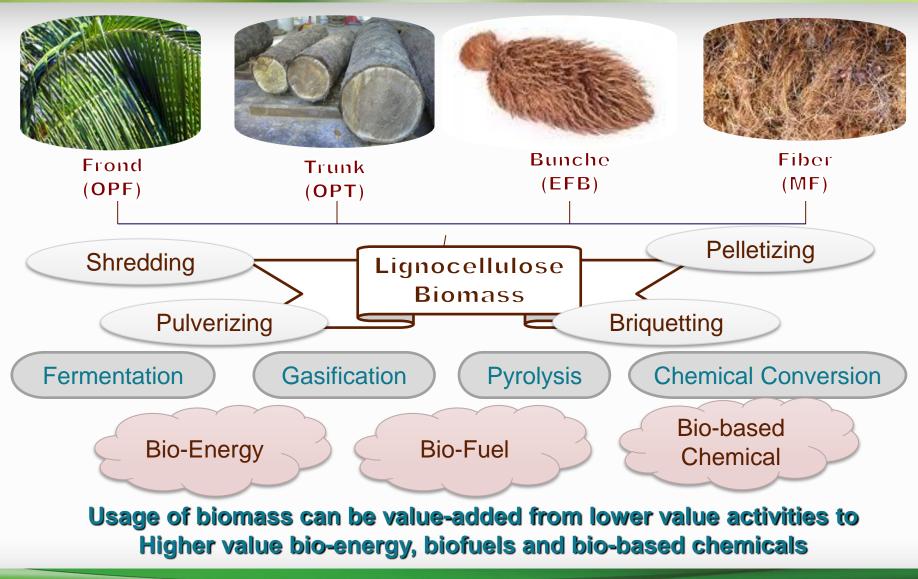
#### Palm Oil Industry Biomass ... Introduction ...



#### BECOMING PALM BIOMASS SOLUTION PROVIDER



#### **BIOMASS TECHNOLOGY OUTLOOK**



# **GGS's Products**











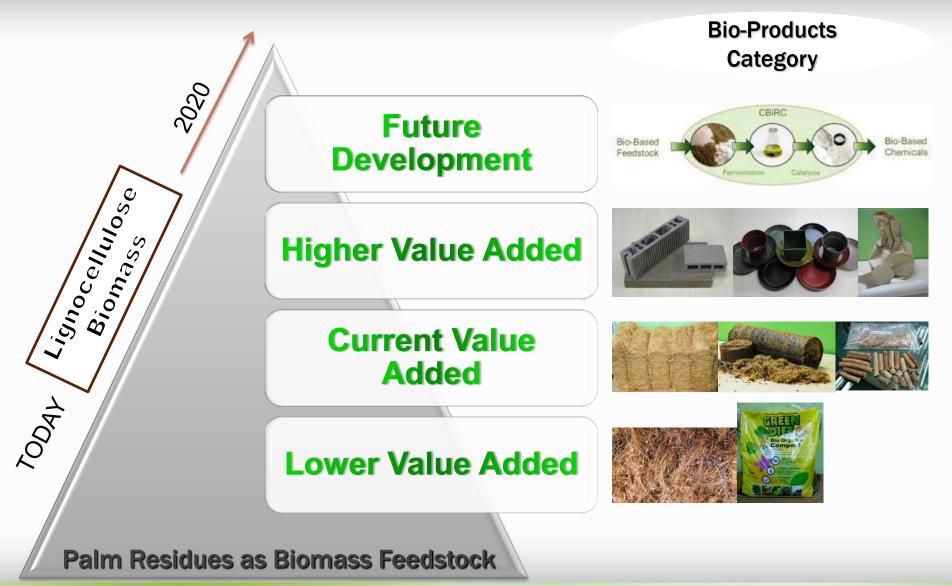
# POTENTIAL ENERGY

**Palm Briquettes** 

**Palm Pellets** 

fppt.com

#### **Biomass Product Outlook**



# TO SHARE ...



## Transfer of Technology

- take the first step and challenge to develop this DLF Business & create of new market
- share the know-how through TOT Program to the Industry especially Palm Oil Mill Owner



## Buy Back Guarantee

provide the Buy Back Guarantee Policy to new investor for no hassle on market and secure of ROI

**10 New DLF Production Line Set up through this "Synergizing Effect"** 



### **GGS's Technology**





#### with the inclustry







fppt.com

#### The 1<sup>st</sup> Commercial Palm Briquetting Plant In Malaysia









#### What is GGS?

#### **Process & Supply Chain Optimization**

i.e., Invest in process optimization & supply chain optimization personnel

field. Invest in R&D by engaging international experts in this



UNITED KINGDOM · CHINA · MALAYSIA

"Process network synthesis & optimization of palm oil biomass utilization" and "Product supply chain synthesis of palm oil biomass"



Feasible Study on Palm Pellet usage at TNB Power Plant

# TO LOVE ....

# The Environment

CO<sub>2</sub> Reduction is 84,000MTs P.A.

By 2014 CO2 Reduction is 840,000MTs P.A.

#### Commercialization & Research Experience with Universities





UNITED KINGDOM · CHINA · MALAYSIA













# Signing of MOA with University of Nottingham, Malaysia Campus





# Signing of MOU with University of UNITEN, Malaysia Campus



#### Pyrolysis from Biomass to Liquid with University of Wroclaw, Poland

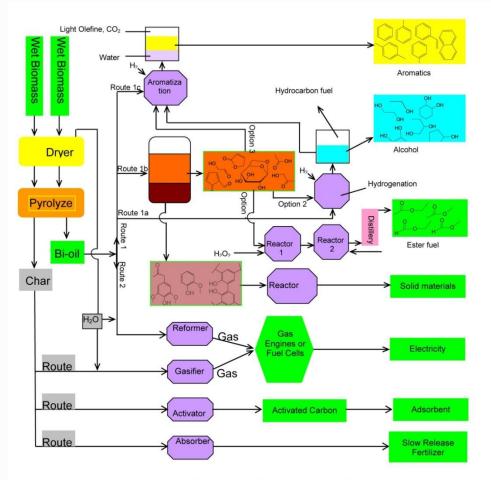


Figure 1. Flow-sheet diagram of biorefinery concept

"Pyrolysis Based Biorefinery to produce liquid fuels, chemicals and materials from oil palm biomass"



#### New Technology for Biomass "Torrecfaction" with University of Wroclaw, Poland



#### **R&D on Bio-Compost with University Putra Malaysia**



#### Technology Exchange with NTU Singapore

NANYANG TECHNOLOGICAL UNIVERSITY Nanyang Technopreneurship Center Certificate of Appreciation is hereby presented to: Mr Lim Heng Ee (林恒毅先生) for the excellent contribution as an outstanding Entrepreneurship Speaker at the Master of Science Technopreneurship and Innovation Program (MSc TIP) Nanyang Technological University 2010 Singapore Mr Xia Zhiqiang Director, MSc TIP Nanyang Technopreneurship Center

As an Entrepreneurship Speaker from Industry and factory visitation tour to palm oil mill Malaysia



4<sup>th</sup> Technopreneurship & Innovation Symposium & Exhibition (TISE 2012)



TPM COLLEGF



2011 World Winner of JCI Creative Young Entrepreneur Award







2011 Malaysia Winner MCCC – Golden Green Award

# Your Biomass Servant

#### Global Green Synergy Sdn Bhd www.ggs.my HOPE & PEACE in GREEN

Thank You !

