

Case Study:

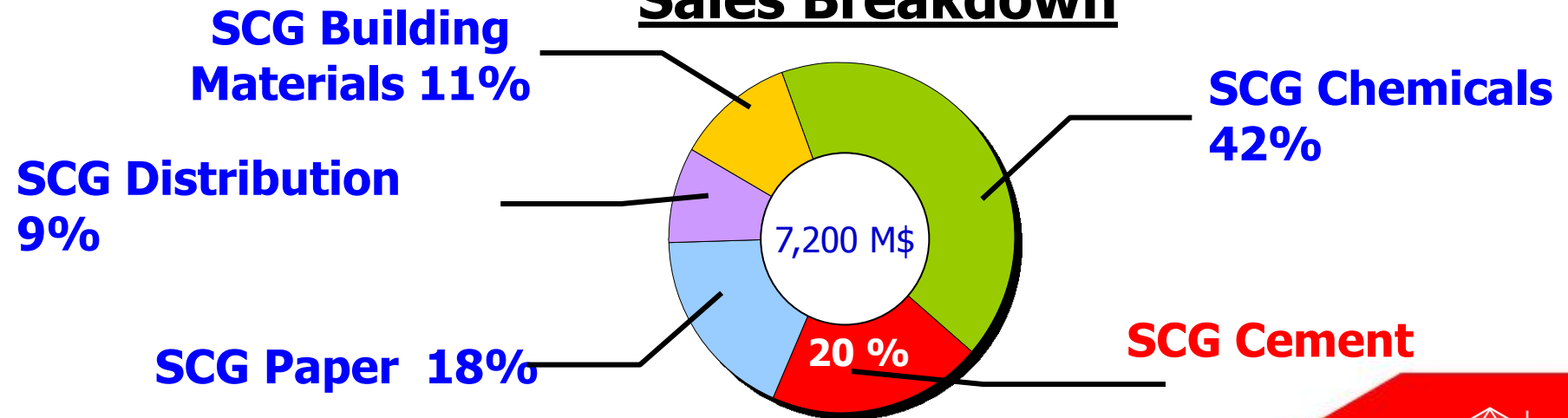
Siam Cement Biomass Project

24 January 2012

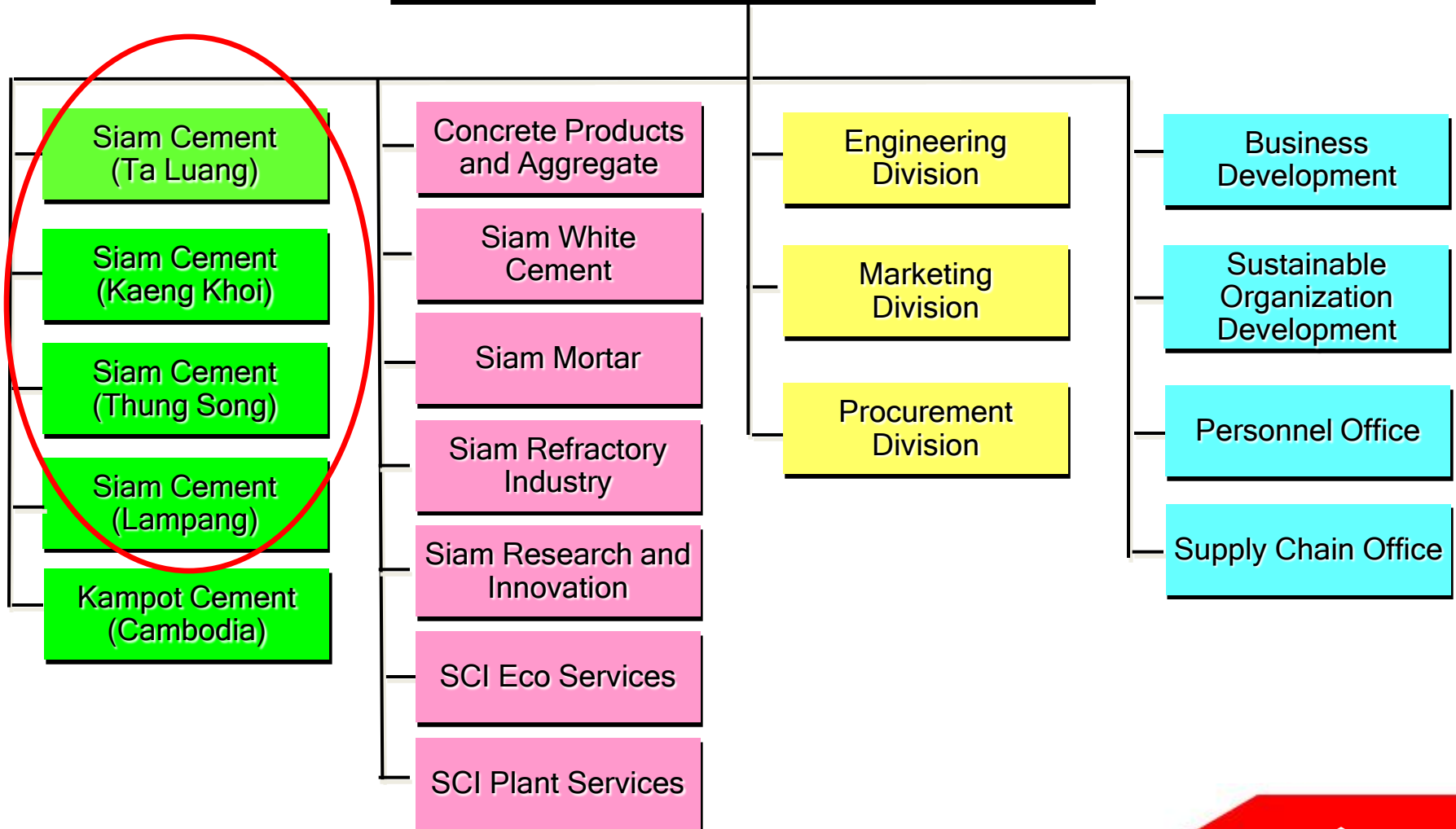
Queen Sirikit Convention Center

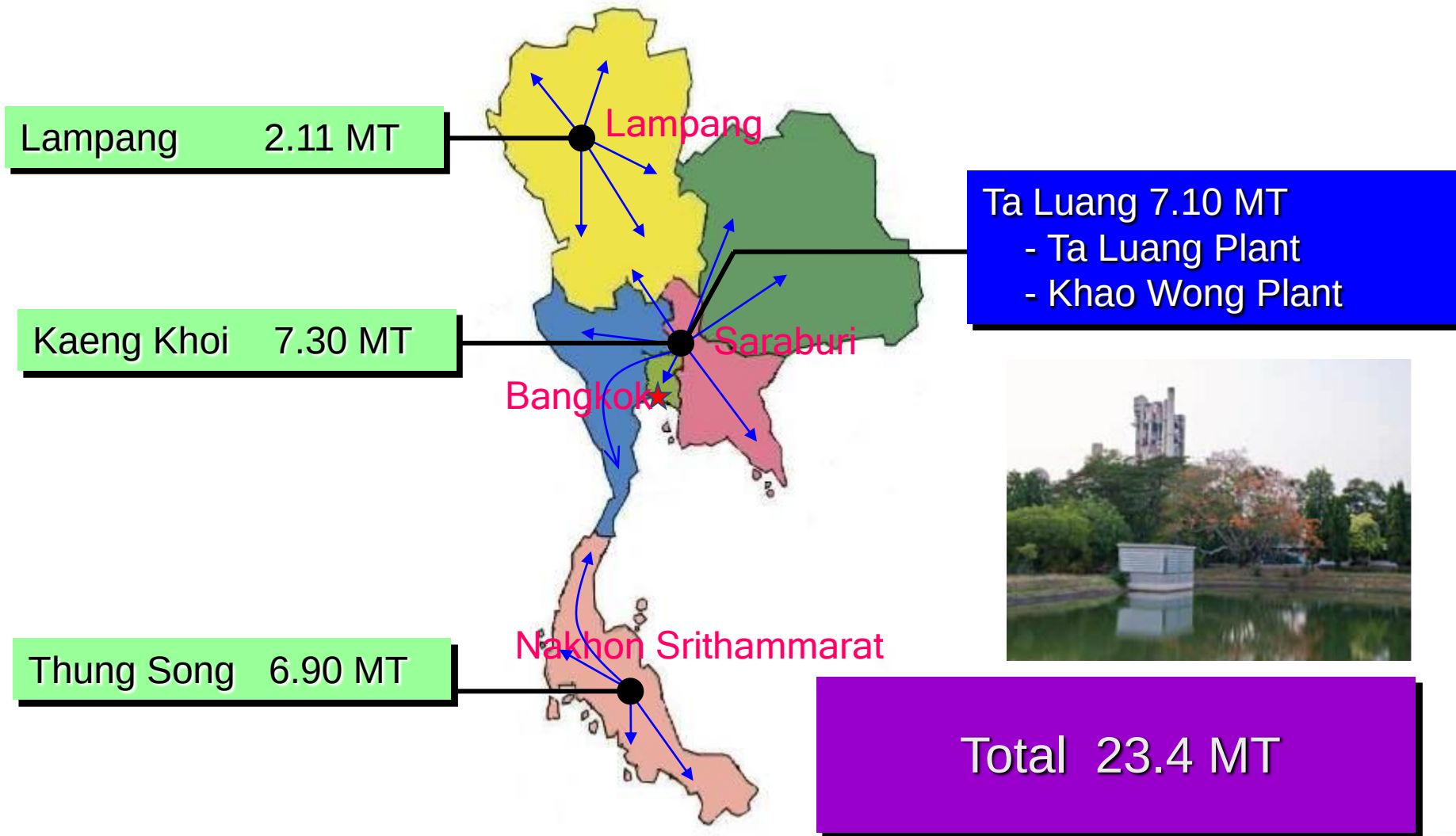


Sales Breakdown



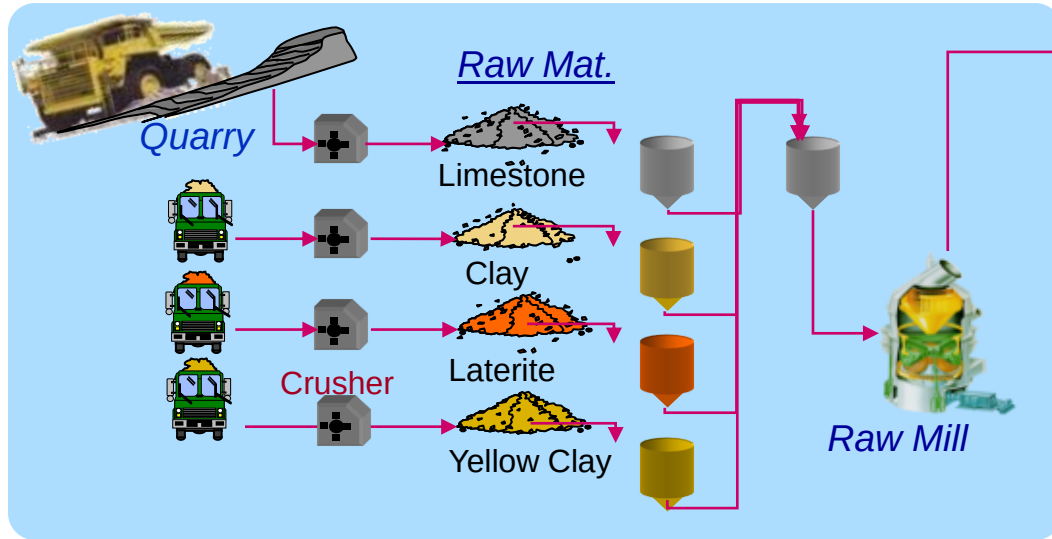
SCG CEMENT



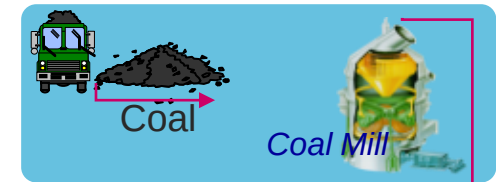


Cement Process

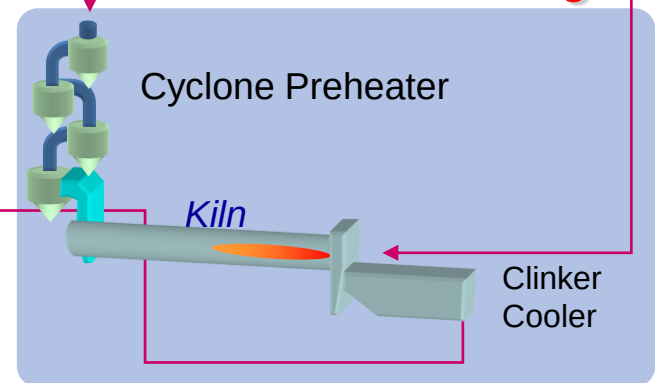
1. Raw Mat. Preparation & Grinding



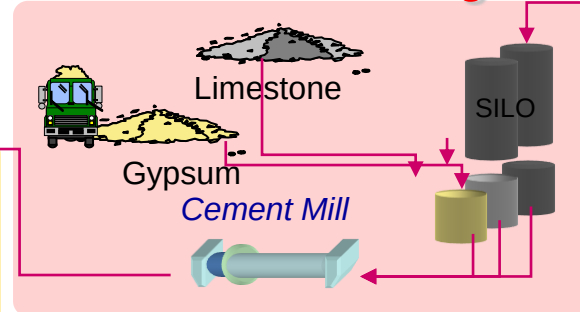
2. Fuel Grinding



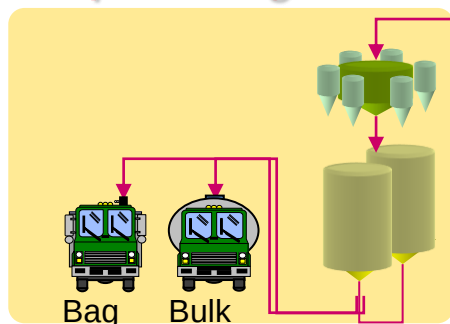
3. Clinker Burning



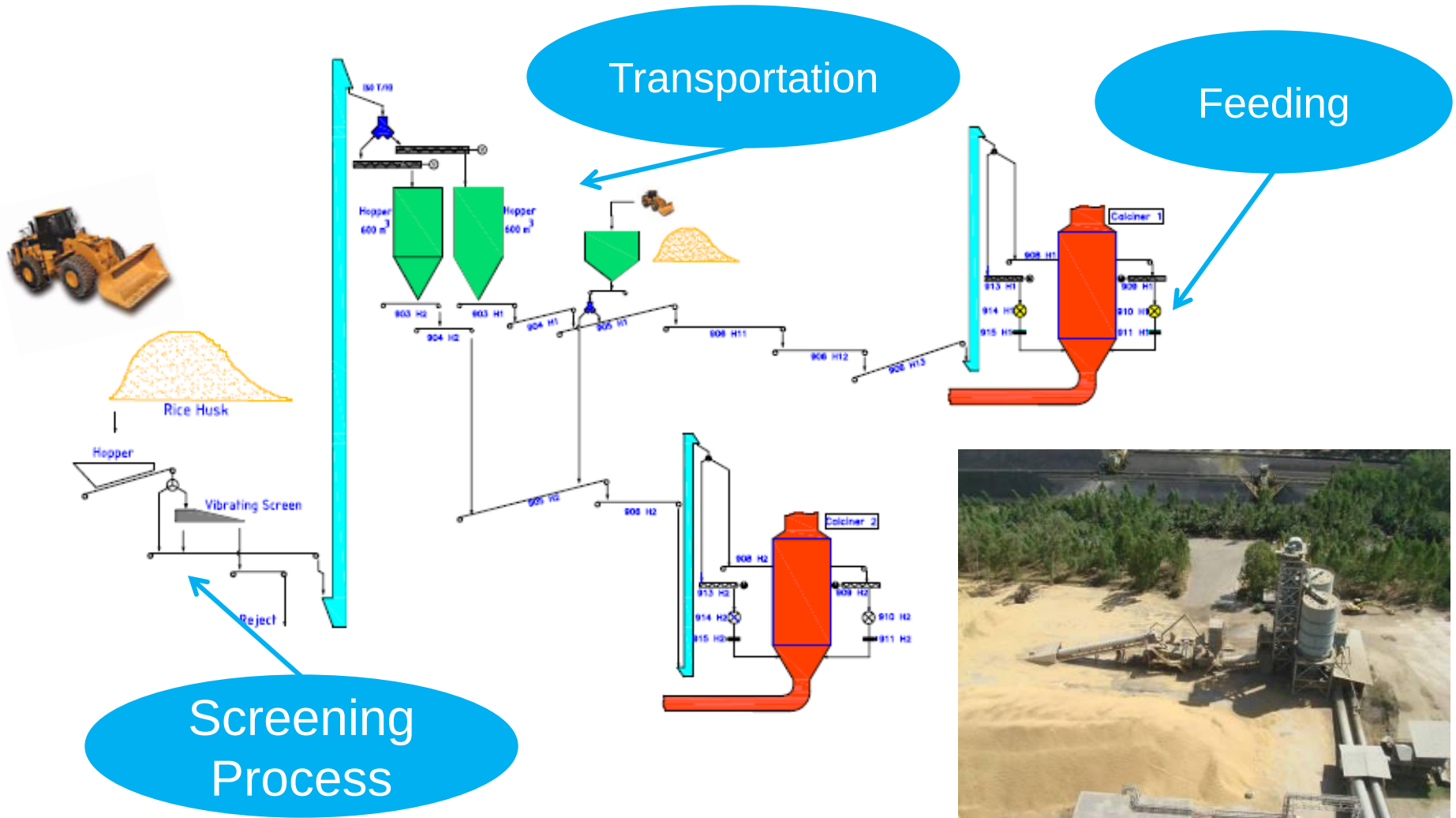
4. Cement Grinding



5. Cement Dispatching



Biomass Usage



VCS Eligibility

Economic

New Job Creation

Social

Increased Employment of local communities

Environmental

Reduce emission from fossil fuel combustion

Additionality

Technology Barrier

- First of its kind in Thailand
- Process Modification
 - Transportation system
 - Fuel Preparation e.g. Biomass dryer
 - Feeding point to improve combustion
- Technology developed domestically by SCG

Emission Reduction

Emission Reduction =

Baseline Emission – Project Emission



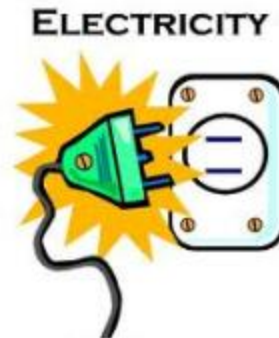
**Rice
Husk**



**Saw
Dust**



**Wood
Chip**



2006-2009 (1st Verification)

GHG Emission Reduction	tCO ₂ e
Baseline Emissions	2,456,412
Project Emissions	151,103
Net GHG emission reductions	2,305,309

2009-2011 (2nd Verification)

GHG Emission Reduction	tCO ₂ e
Baseline Emissions	403,751
Project Emissions	51,308
Net GHG emission reductions	352,443

Experience with VCS

Positive



- NO CDM EB involved
- Shorter period than CDM
- Lower project development cost
- Enhance Corporate sustainability image



Negative



- Low VER Price <1 Euro
(Price depends on credit vintage)





Thank You

