



RPA Biomass Conference
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Project Development

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Lockerbie Overview

- **Site** **Purchase of land at Steven's Croft development site**
- **Plant turbine** **43MWe, fully condensing steam**
Fluidised bed technology
High efficiency steam cycle
- **Fuel** **220k ODT/annum**
Sawmill co-product, roundwood, energy crop,
clean recycled timber
- **Grid Connection** **26km underground cable to Chapelcross**
- **Consents** **Outline Planning Consent received Aug 2004**
Reserved Matters approved April 2005
IPPC- BAT Case agreement with SEPA
- **Capital Grant** **Bio energy Capital Grant secured**

Consents

- **Land**
 - Exclusivity
 - Price
- **Planning**
 - Approach
 - Timescales
 - Costs
- **IPPC**
 - Emissions Limits
 - BAT Case



Electrical Connection

- **Connection Offer**
 - **Timing**
 - **Flexibility**
- **BETTA**
 - **Access to system**
 - **Constraints**
 - **Charging arrangements**



Fuel Supply

- **Availability**
 - Overall Resource
 - Existing Commitments
- **Price**
 - Current market
 - Competition
 - Indexation
- **Counter- parties**
 - Scale
 - Risk apportionment
 - Forestry Commission

- **Contracting Strategy**
 - Security
 - Complexity
 - Knowledge

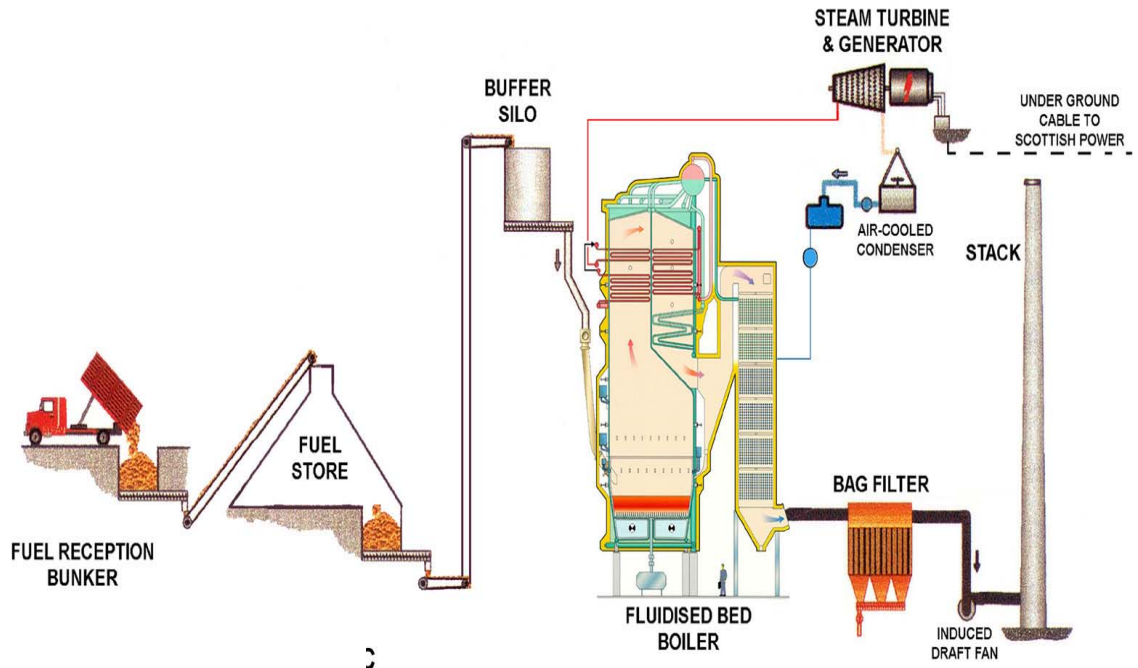


Main Plant

- **Contract Strategy**
 - Turnkey
 - Management Contract
 - Multi-contract

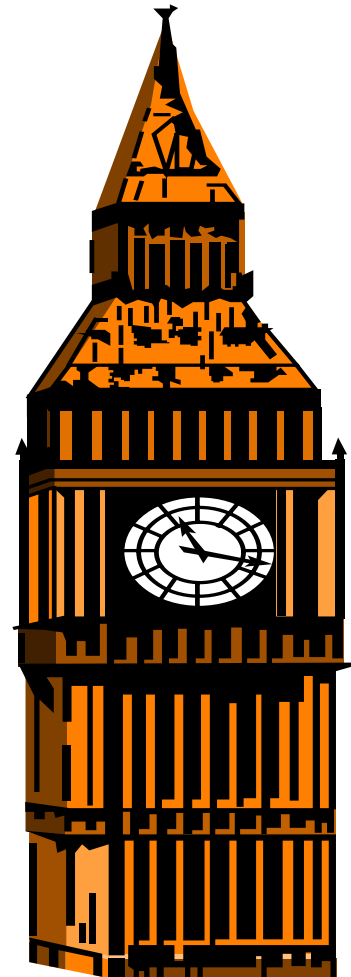
- **Technology Choice**
 - Fluidised Bed
 - Grate
 - Gasification / Pyrolysis

- **Contractor selection**
 - Timing



Regulatory / Legislative

- **R.O.O.**
 - Consistency
 - Application
- **OFGEM**
 - Track Record
 - Accreditation
 - Sampling and Analysis
- **Rateable Value**



Key Issues

- **Development**
 - Higher Cost
 - Longer Programme
 - Reduced Hit Rate
- **Implementation**
 - Enhanced Fuel Price Risk
 - Enhanced Power Price Risk
 - Enhanced Credit Risk
 - Enhanced Technology / O&M Risk

