

**LANDFILL GAS GENERATION
PROJECT**

SABIA BIOGAS CONFERENCE

Robinson Deep Landfill Site

Goudkoppies Landfill Site

Marie Louise Landfill Site

TOPICS COVERED

- What were the barriers of project implementation?
- How did you overcome those barriers?
- What are the key elements to move biogas forward?

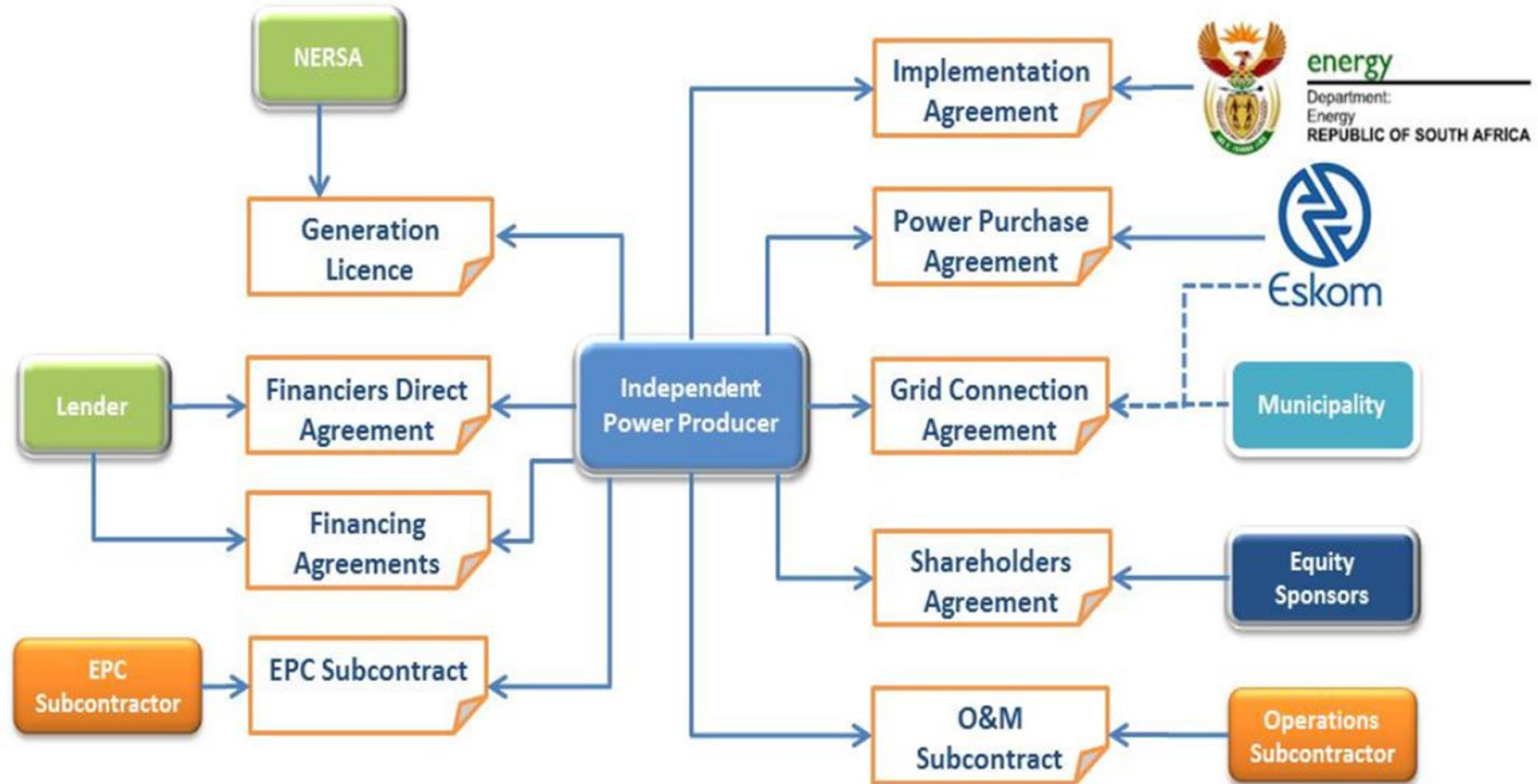
BARRIERS FOR BIO & LANDFILL GAS

- Municipal procurement processes
 - Tenders are often abandoned
 - MFMA contract terms (3 years)
- Multiple regulatory compliances applying to the same project activity
 - EIA
 - Air Quality
 - Waste Act
- Electricity sales and regulations
 - REIPPPP
 - Private sale within Municipalities

TIME FRAMES

- TENDER 2007
- AWARD 2007 AND CONTRACT SIGNATURE MAY 2009
- EIA'S COMPLETED ON ALL FIVE SITES IN JUNE 2010
- CDM REGISTRATION 12/11/2012
- 2009 THROUGH TO 2014 REFIT TO REIPPPP ELECTRICITY AMMENDNET ACT

COMPLICATED TENDER STRUCTURES



TENDER PROCESS ONOURIOUS



TENDER PROCESS ONOURIOUS



KEY TO SUCCEFULL PROJECT DEVELOPMENT

- Project champions
 - Municipalities.
 - Business development.
 - Mutually beneficial
- Collaboration
 - Work with other developers to make the sector work for all.
- Sector development
 - Engage with regulators and policy makers.
 - Provide active input.
 - Streamline/standardise compliance requirements
- Patience and perseverance
 - Stay in the sector long enough to be a resource to regulators and policy makers.
 - Do all the work.

THERE IS NO FIRST MOVER ADVANTAGE



THE PROJECT IS NOT YOUR OWN



NOT ALWAYS TO PLAN









KEY TO SUCCEFULL PROJECT DEVELOPMENT

**GRIT
AND A MARKET**

THANK YOU