Soitec, a leading company in Concentrator Photovoltaic's

- Soitec, with more than 1000 employees develops innovative materials and technologies for electronics and energy industries

- Through acquisition of Concentrix Solar in 2009, Soitec became a leading manufacturer of highly efficient Concentrator Photovoltaic (CPV) modules and supplier of solar power plants
- Concentrix™ technology provides a market leading solar module efficiency of 27%, which is two times the efficiency of standard silicon PV

Soitec semiconductor manufacturing site for engineered substrates in France

Soitec manufacturing site for CPV modules in Germany
Soitec has been present in South Africa since 2008 and has its offices located in Cape Town.

- Soitec has invested in a Pilot Plant in Touwsrivier to showcase our technology, ability and reliability in the market place.

- Soitec Solar Built the first commercial solar plant in South Africa for COP17.

- Soitec is committed to investing in South Africa.
Pele Green Energy

• Pele or PGE was founded in September 2009.
• Business is located in Johannesburg, South Africa.
• An Independent Power Producer (“IPP”) that develops, owns and operates power-generation projects in the renewable energy sector.
  • Operational involvement crucially implies socio-economic development planning & management.
The Touwsrivier Project ("the Project") is located approximately 10 km to the south-west of Touwsrivier in the Breede Valley Municipality of the Western Cape.

The proposed CPV Power Plant will convert the sun’s energy into electrical energy which will contribute to the targets for renewable energy generation in South Africa.

The Project will comprise of a number of CPV Systems with a nominal generation capacity at grid connection point of 36 MW.
CPV Power Plant No.1 - Structure

Equity Funder
Soitec S.A. (100%)

Debt (70%)
Investec (100%)

Equity (30%)
Soitec Solar GmbH (60%)
B-BBEE partner: Pele Green Energy (Pty) Ltd (35%)
Touwsrivier Solar Community Trust (5%)

PROJECT COMPANY
CPV Power Plant No. 1 (Pty) Ltd

Schneider Electric South Africa (Pty) Ltd
Balance of Plant & Implementation Contractor
Operation & Maintenance Contractor

Soitec Solar GmbH
Equipment Provider

Touwsrivier Solar Community Trust (5%)

Pele Green Energy (Pty) Ltd (35%)
Pele Green Energy – Socio Impact

- Long-term growth: community wealth creation
- Sustainability driver through capabilities & leadership grooming.
- Short-medium term job creation.
- African game changer: communities who own their knowledge.

Enterprise Development
Tertiary Bursary Programme
Secondary Skills Development & Training
Local Research Centre

Enterprise Development
Tertiary Bursary Programme
Secondary Skills Development & Training
Local Research Centre
CPV Power Plant No.1 – Tracker Units
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Thank You

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