

POLYSILICON FOR SOLAR POWER

Project

Manufacture polysilicon for PV solar energy

Project Concept

- ▶ As the interest in the solar energy market in South Africa continually grows, a study into the viability of a polysilicon plant is required to determine the feasibility of establishing a manufacturing facility in South Africa
- ▶ Polysilicon is the key component in the manufacturing of solar panels
- ▶ It has been noted that South Africa's solar photovoltaic market has been facing a significant challenge owing to shortages and allocations of polysilicon over the past few years

- ▶ Based on average growth of the South African economy, production of power energy is planned to be increased up to 60 000 mw in 2017 and doubled up to 80 000 mw in 2025, including renewable sources, to meet the growing demand of South African industries, agriculture and social sectors
- ▶ Solar power panels will enable local solar power units assembly plants in South Africa to supply private, parastatal enterprises and state organisations in the framework of South Africa's Renewable Energy development programme

Location

- ▶ The project is based in Pietermaritzburg, KwaZulu-Natal

Current Status

- ▶ This project is at the conceptual stage

Feasibility Study

This is still required

Business Plan

This requires compilation



Required Investment

- ▶ An investment of between ZAR 150 million and ZAR 200 million is required (as of June 2009)



 Dhanesh Rampersad: dhanesh@tikzn.co.za | +27 31 368 9600

www.tikzn.co.za

