



technology innovation

A G E N C Y

ANNUAL STERG SOLARPACES SYMPOSIUM

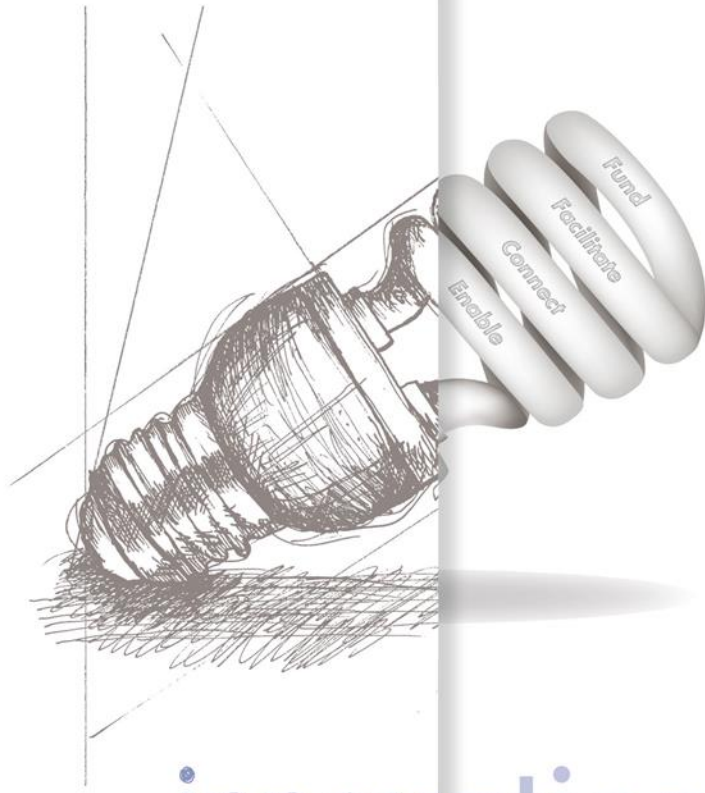
Cebo Silinga

**15 July 2016
Stellenbosch**

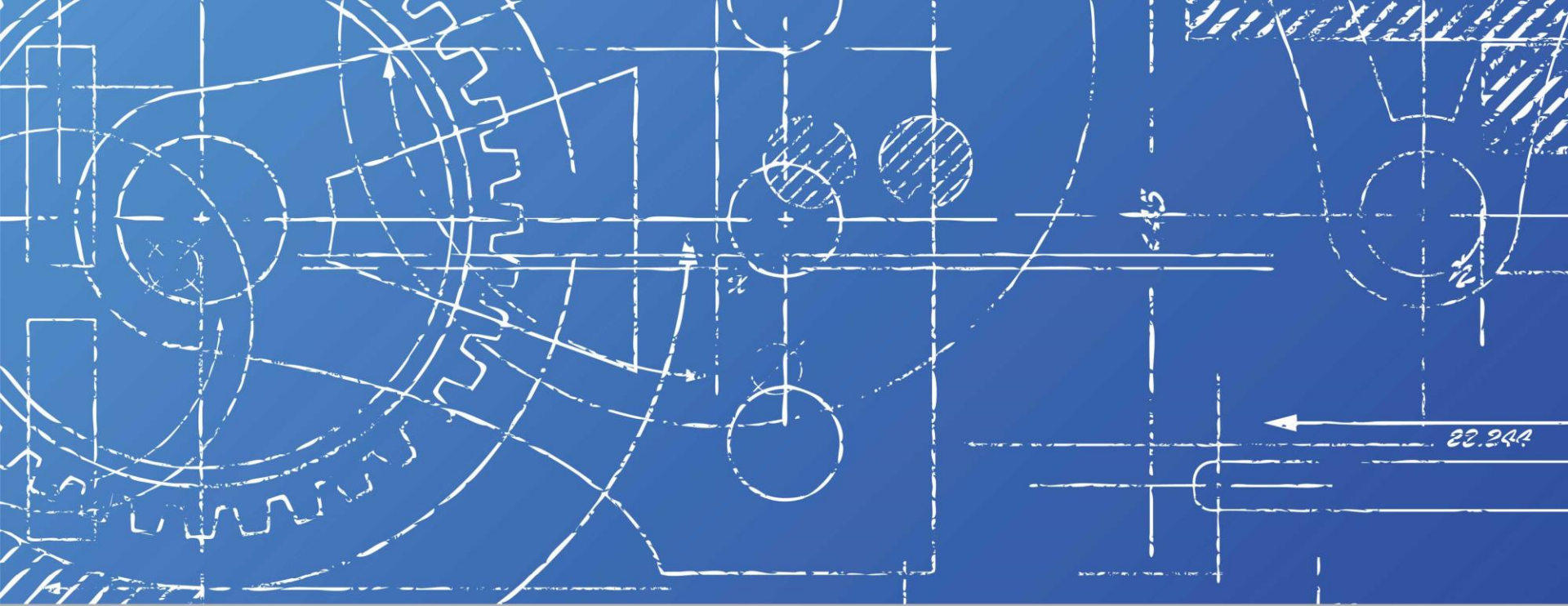


AGENDA

- TIA Overview
- TIA Support Instruments
- TIA Energy Unit
- Conclusion



innovation



TIA

Overview



OUR MANDATE

The mandate of TIA is derived from the provisions of the Technology Innovation Act (Act 26 of 2008), which establishes TIA as an Agency to **promote the development and exploitation**, in the **public interest**, of **discoveries, inventions, innovations** and **improvements**.

The objective of TIA is to **support the State**, through the DST, in **stimulating** and **intensifying technological innovation** in order to **improve economic growth** and the **quality of life** of all South Africans by **developing and exploiting technological innovations**.



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA



OUR VISION AND MISSION

VISION

To be a world-class leading technology innovation agency that stimulates and supports technological innovation to improve the quality of life for all South Africans

MISSION

To facilitate the translation of South Africa's knowledge resource into sustainable socio-economic opportunities

THE TECHNOLOGY INNOVATION AGENCY (TIA)

A national agency that supports the commercialisation of technology ideas for:

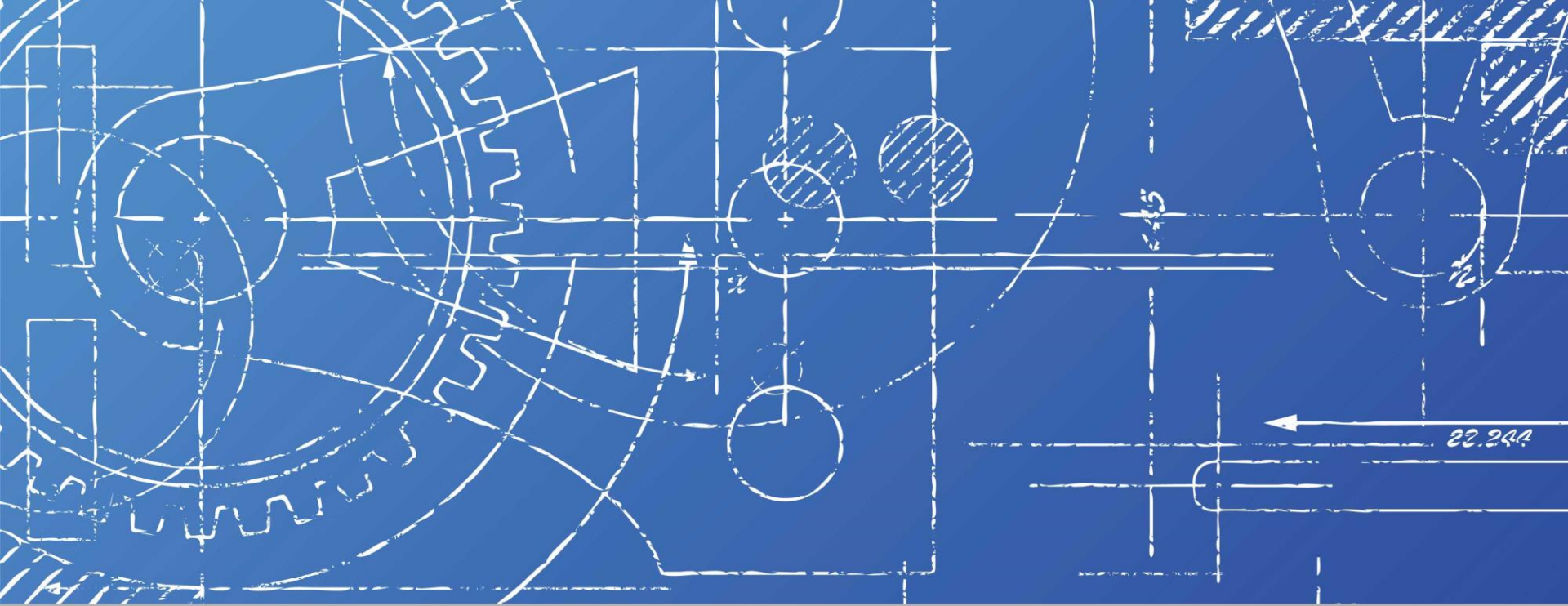
- Economic growth
- Improved quality of life



Funding and TRL

In order to fulfil its mandate, TIA will fund technologies from proof of concept stage (TRL3) to technology development (TRL 4-7) and support the pre-commercialisation stage (TRL8)

- *TRL 3 – Proof of concept*
- *TRL 4-5 – Technology development (prototyping / piloting)*
- *TRL 6-8 – technology demonstration and pre-commercialisation (limited funding; partnerships)*



Support Instruments



Supporting Programmes

- Collaborative programme that aims to leveraging the strengths of partner to drive a technology solution

Technology Innovation Programmes



- Aimed at enabling universities to provide innovative SET solutions to SMEs

Technology Stations Programme



- Facilitate access to key infrastructure and expertise for technology innovation

Technology Platforms Programmes



- YTIP assists young innovators in need of funding, mentorship and enterprise development support

Youth Technology Innovation Programme



- Designed to strengthen the fundamental business skills required by technopreneurs

Innovation Skills Development



- Aims to find and foster (SMEs) with technology solutions that tackle the most pressing energy, environmental and economic challenges in South Africa

Global Cleantech Innovation Programme (UNIDO)



SME SUPPORT

SMALL MEDIUM MICRO ENTERPRISE (SMME) TECHNOLOGY PLATFORMS OVER THE LAST TWO YEARS



169 Students supported of which 60% are Masters and PhD



1 US patent and **1** PCT application



145 Client projects supported by Platforms in the last 2-years



40 Technologies and services developed and/or improved due to Platform support



R100 million co-funding in the last 2-years



65 million disbursed in the last FY

SME SUPPORT

TECHNOLOGY STATIONS PROGRAMME (TSP)



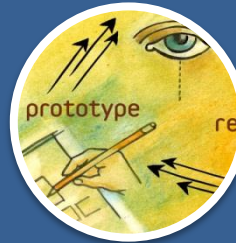
515 SETA
accredited
training and
Short
Learning
Programmes
offered



91 Interns in
the * SETIIP
with industry
partners
*Science
Engineering
and
Technology
Internship
Programme



At least **4821**
testing,
quality
assurance,
analytical
services and
engineering
support
provided to
enterprises



38
Prototypes
completed



TSP determined
to meet SME
needs with a
positive impact
on technical
skills; quality
improvements
on products
and prototypes;
time and cost
saving

GLOBAL PARTNERSHIPS (GCIP)

Global Cleantech Innovation Programme South Africa (GCIP-SA)
launched in May 2014

2 GCIP-SA Calls for application to date

51 Entrepreneurs developed and validated Business Models through
the Business Accelerator

20 training webinar sessions and 10 training workshops; 4 regional and
1 global networking activity

3 GCIP winners – 2 global business interests; 1 local business partner



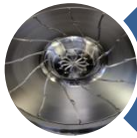
SEEDING IDEAS



Higher Education Institutions (HEI): **2** New companies incorporated from HEIs



9 Projects completed in HEIs



23 Patents registered for projects supported through the Seed Fund



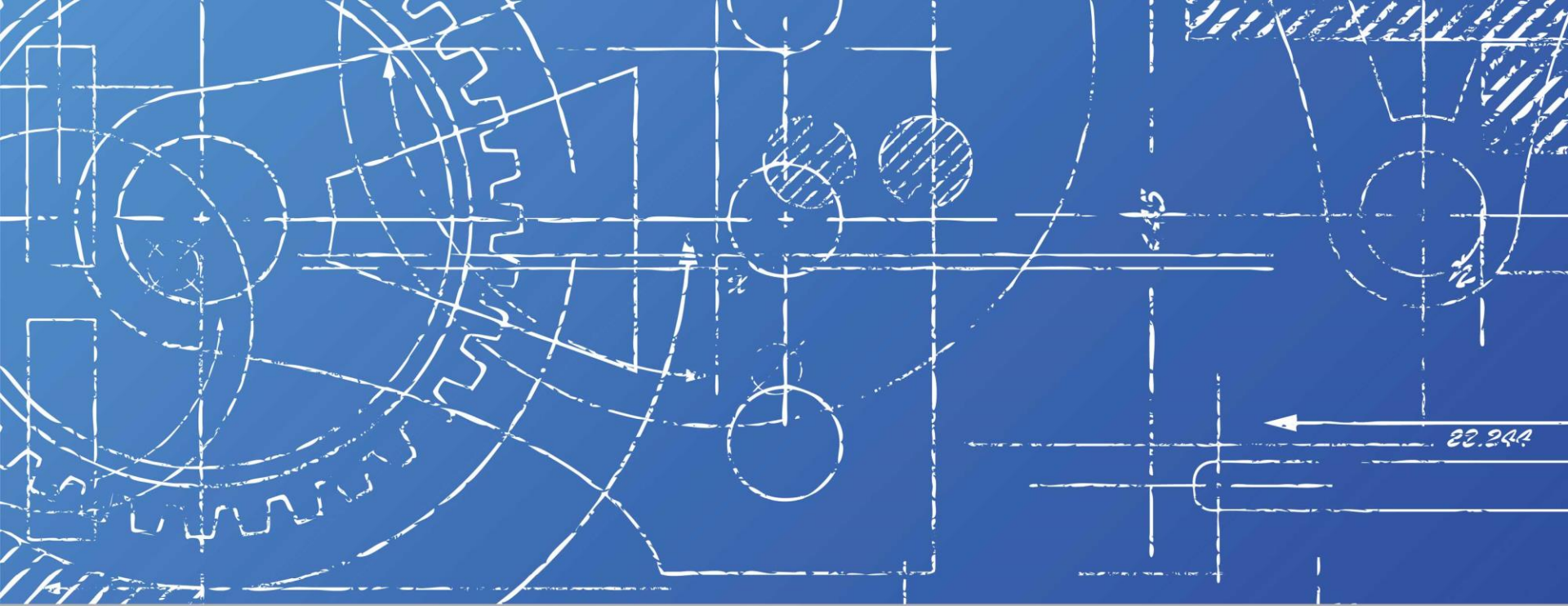
HEIs: **6** Innovation outputs: market reports, prototypes



HEI Seed Fund: **173** Applications approved (47 million)
Regional Seed Fund (RSF) – **74** SMMEs funded (23 million)



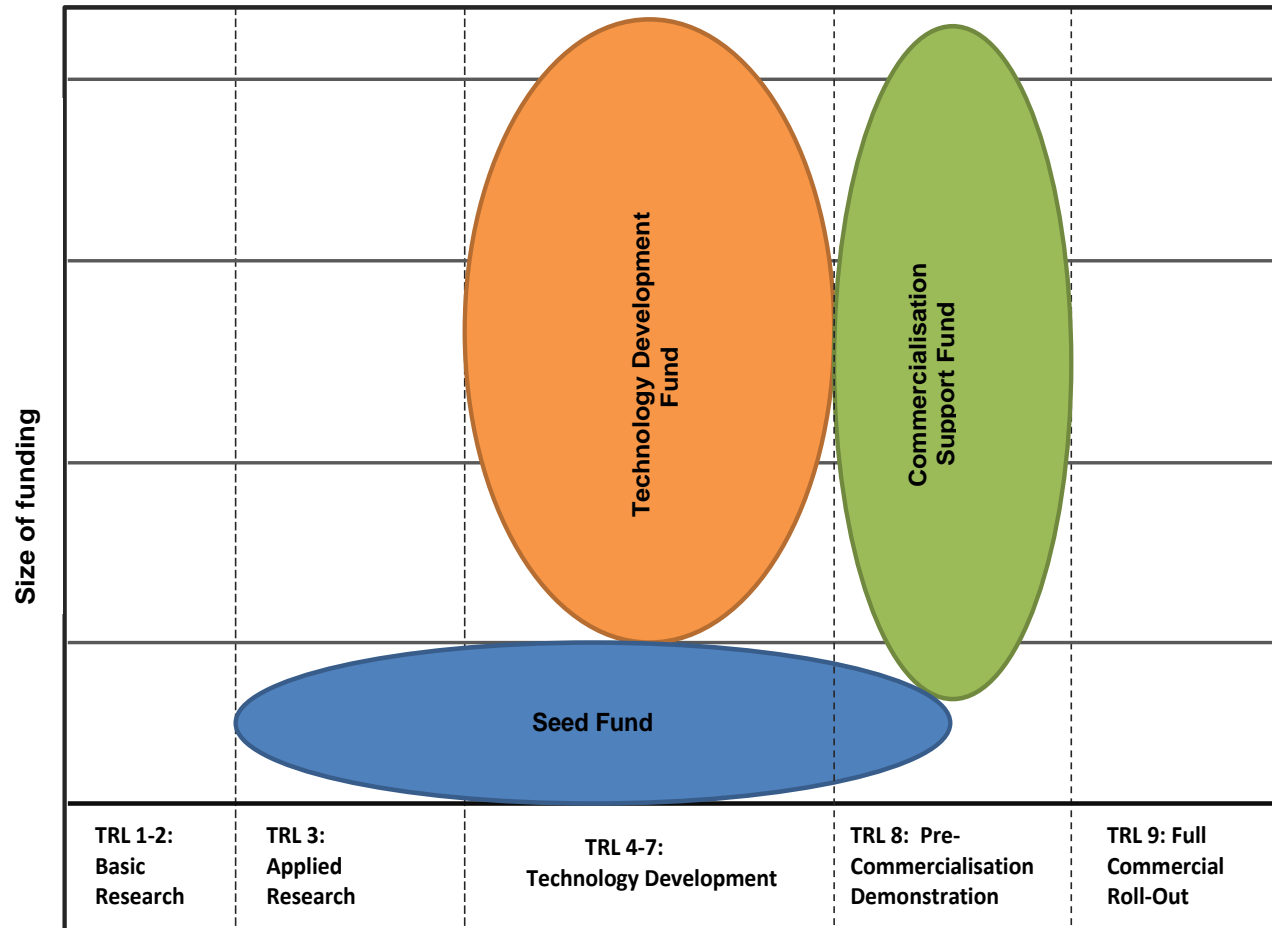
70 million disbursed in the last FY



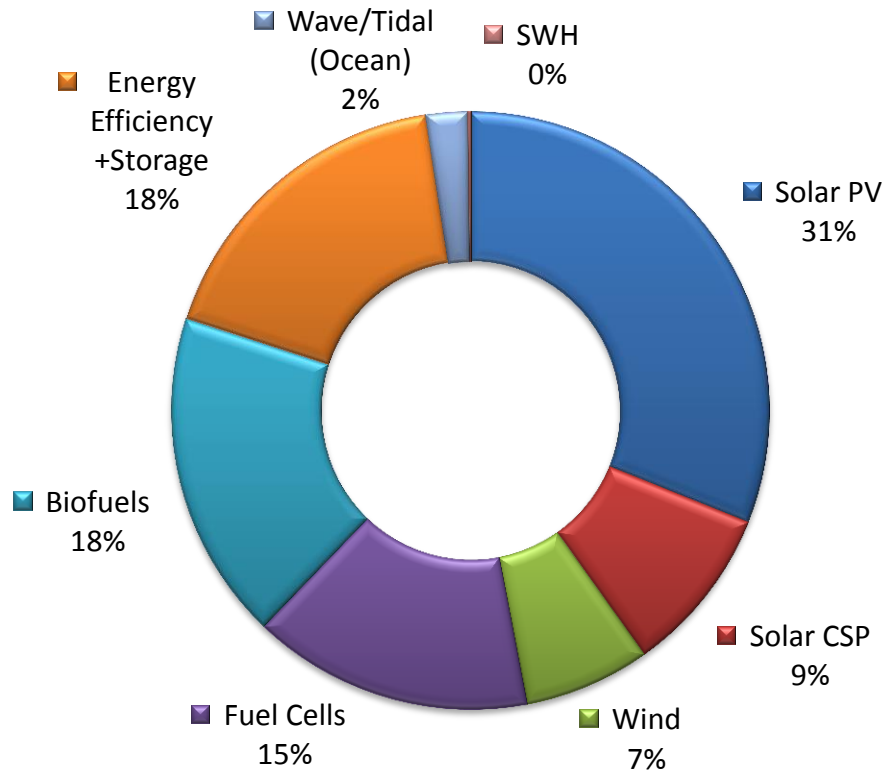
Innovation Funding and Pre-Commercialisation Support: Energy



Risk Funding Schemes



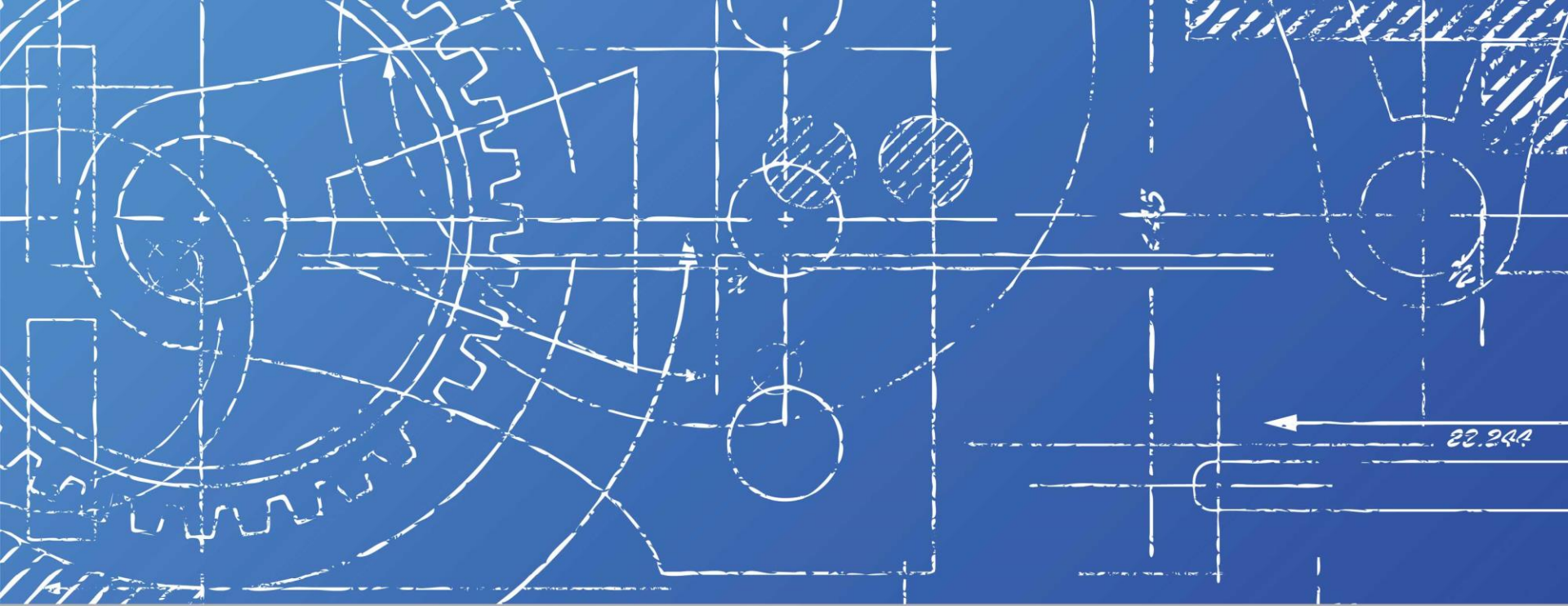
Energy Portfolio Overview



| Total number of projects | |
|--------------------------|---------------|
| Total exposure | R 165 million |
| Pipeline | R 80 million |

Conclusion

- We see renewable energy as the future of South Africa energy supply
- Renewable energy is now – let us participate



THANK YOU
cebo.silinga@tia.org.za

