



INVITATION

Industrial Symbiosis Business Opportunity Workshop

Working together!

The NCPC-SA in partnership with Mpumalanga Economic Growth Agency (MEGA) invites you to participate in a industrial symbiosis business opportunity workshop.

Event details

DATE: Thursday, 28 November 2019
 TIME: 09:00 - 13:00
 VENUE: TBC, Ekandustria, Bronkhorstspuit

Click here to RSVP

by 21 November 2019
 or email your details to
 Henry Nuwarinda: gisp@csir.co.za

Background

Industrial Symbiosis (IS) is a resource efficient approach, where unused or residual resources (material, energy, water, waste, assets and logistics) of one company are used by another. The NCPC-SA is the custodian of the Industrial Symbiosis Programmes in Gauteng, KwaZulu Natal, Mpumalanga and Limpopo.

The IS Business Opportunity workshop will raise awareness on the benefits of industrial symbiosis and resource efficient and cleaner production in industry. Companies will become more aware of what opportunities are available to improve waste utilisation efficiencies, and identify traditional waste streams that may be used as substitute raw material inputs to their processes.



What is IS?

It's a free facilitation service that uses internationally proven industrial symbiosis approach to enhance business profitability and sustainability.



How it works?

IS Programme uses unique facilitation approach to rapidly match member companies' underutilised resources with those who can utilise them.

The programme actively supports its members to realise business opportunities or "synergies".



Who should attend checklist?

We welcome one representative from any company with residual waste or resources:

- Directors/owners of industrial companies with residual waste or resources;
- Waste/recycling and other environmental companies;
- Science and technology labs;
- R&D departments and universities;
- Municipality representatives responsible for energy/waste management;
- Road construction companies; and
- Entrepreneurs

Is the IS Programme for you?

- ✓ Do you have waste from manufacturing processes you cannot recycle?
- ✓ Is recycling your waste expensive?
- ✓ Are you looking to implement new technologies into your site to keep ahead of the competition?
- ✓ Have you developed a new technology or innovation that you want to try in your company?
- ✓ Do you sell or manufacture innovative equipment that can help companies be more efficient?



GISP Partners



Sidingulwazi Holdings Pty Ltd & Zamusi Projects

Year of Intervention **2017-18**



Company with Waste Material –
Zamusi Projects



Company that needs Waste Material –
Sidingulwazi Holdings

Summary of Intervention

The NCPC-SA put Sidingulwazi Holdings Pty Ltd in touch with Zamusi Projects. Sidingulwazi Holdings Pty Ltd is now making chairs from excess steel drum waste from, Zamusi Projects. The products are currently sold at conferences and in some instances used as furniture for the various exhibition stands at events.



The NCPC-SA Industrial Symbiosis Programme Highlights

Year	Diversion figures (tonnes)
2015/16	244
2016/17	5 956
2017/18	105 302

Savings

Landfill Diversion
2 Tonnes

GHG Emissions Reduction
32 Tonnes

Jobs Created
2 temporary jobs

Savings and achievements of the programme from 2015 to date

Cost savings in Rands
R17 713 486 Landfill diversion
R45 881 696 Airspace savings

Landfill diversion
202 775 tonnes

Virgin resource reduction
200 233 tonnes approximately

GHG emissions savings
70 390 tonnes

Industrial water saved
862 795 m³

Businesses assisted
46

Jobs created
6

Economic value generated
R94.8m
(April 2015 to March 2018)