



NCPC

NATIONAL CLEANER PRODUCTION CENTRE

SOUTH AFRICA



The National Cleaner Production Centre South Africa is a national support programme that drives the transition of South African industry towards a green economy through appropriate resource efficient and cleaner production (RECP) interventions.

The NCPC-SA's mission is to drive RECP in industrial and selected commercial and public sectors by equipping them to operate in an efficient, sustainable and competitive manner, contributing to a low carbon and green economy through:

- » Industry and company support
- » Green skills development
- » Advocacy and awareness-raising

National Cleaner Production Centre South Africa

www.ncpc.co.za



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Department:
Trade, Industry and Competition
REPUBLIC OF SOUTH AFRICA





Energy Efficiency

Implemented in partnership with






The NCPC-SA's energy services are delivered through the **SA Industrial Energy Efficiency Project**, in partnership with the **United Nations Industrial Development Organization (UNIDO)**.

The IEE Project supports the adoption of Energy Management Systems aligned to ISO 50001 and the Energy Systems Optimisation approach in industrial and selected commercial sectors.

Through implementation support and internationally recognised training, the IEE Project assists companies to realise energy, GHG and financial savings through in-plant energy management.

Contact us for more information or to sign up for an assessment or training.

CUMULATIVE SAVINGS (2011 – 2019)

	Energy saved	4 286 GWh
	CO₂e mitigated	3 997 062 t
	Financial savings	R 3.316 b



RECP Tools

Resource Efficient and Cleaner Production (RECP) can achieve significant resource savings with surprisingly little investment – and often quick wins can pave the way to even greater savings.

RECP entails the continuous application of preventative environmental strategies to processes, products and services to increase efficiency and reduce risks to communities and the environment.

The NCPC-SA aims to support businesses through their RECP journey and assist South African industry with tools and technical advice. Our website provides a number of tutorial videos, and downloadable booklets and posters to assist companies of all sizes.

Visit www.ncpc.co.za for more





Industrial Symbiosis

Industrial Symbiosis (IS) is a resource efficient approach where **unused or residual resources** (material, energy, water, waste, assets etc) of one company are **used by another**.

The NCPC-SA IS Programme provides a free facilitation service which seeks out matches between companies that **HAVE** under- or unutilised resources with other member companies who **WANT** and can use them to create new business opportunities.

It currently operates in Gauteng, KwaZulu-Natal, Mpumalanga and Limpopo provinces.

IS PROGRAMME SAVINGS 2015 - 2019



Waste diverted from Landfill

124 023 tonnes



GHG emissions savings (CO₂e)

836 315 tonnes



Cost Savings

Through landfill diversion
Through airspace savings

R 253 743 861
R 4 038 671

Save Water

The Industrial Water Efficiency (IWE) Project promotes the transformation of industrial water use practices in South Africa to reduce water consumption and improve industrial water effluent quality.

Through the development of tools, guides and training courses, the NCPC-SA aims to build capacity in industry to improve its water efficiency, whilst water assessments and implementation support are available to companies at a plant level.

The project forms part of the South African / Danish Strategic Water Sector Cooperation Partnership.



Training and skills development

Suitably **skilled human resources** are critical to the sustainability of RECP initiatives in industry and the successful transition to a **greener economy**. To address this need, the NCPC-SA has developed **capacity building programmes**, many of them in partnership with UNIDO.

Training courses are offered at introductory, end-user and expert level, and have been designed to provide a comprehensive learning pathway for those wishing to develop expertise in the fields of:

- » Resource Efficient and Cleaner Production (RECP)
- » Energy Management Systems (EnMS)
- » Energy Systems Optimisation (ESO)
- » Energy Performance Measurement Indicators (EnPMI)

Subsidised training courses are offered in Pretoria, Durban, Cape Town and Port Elizabeth. Company training sessions can be arranged on request.

Visit our website or email ncpcGreenSkills@csir.co.za for more information.



Sign up and save

As the NCPC-SA is a national support programme, its services are subsidised to get companies started on their journey to efficiency and greener production.

The journey begins with a free assessment, but companies showing actual savings have generally signed up for implementation support as a demonstration plant, or a host plant for training candidates.

Participating companies also qualify for free seats on NCPC-SA training courses.

National Cleaner Production Centre South Africa

For more information or enquiries about the NCPC-SA, please visit our website or contact us on:

Pretoria: +27 12 841 3772 | **Cape Town:** +27 21 658 2776 | **Durban:** +27 31 242 2441

Email: ncpc@csir.co.za

 www.ncpc.co.za

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