

Carbon to Compost



The Organisations

Ywaste
Samson Bedding
Cape Town Film Studio (CTFS)

The Challenge

WISP facilitated the supply of uncontaminated sawdust to a member composting company so as to safeguard the quality of their compost.

Background

During a site visit to CTFS, WISP identified approximately three tonnes of clean sawdust from CTFS' set production and carpentry works. Their sawdust was being discarded along with other waste. WISP had a potential solution – if CTFS could separate the sawdust at source, they could forward it onto a solution provider.

Ywaste was one such solution. The food waste management service provider operates a composting facility in Philippi, Cape Town. They had joined WISP through one of WISP's Business Opportunity Workshops. During a conversation between Ywaste and WISP, Ywaste indicated that they required carbon rich organics. WISP forwarded the contact details of CTFS onto Ywaste who subsequently collected the segregated sawdust and will continue to do so when needed.

WISP identified an additional source of sawdust during a site visit to Samson Bedding. Samson Bedding is a bed manufacturing company that had recently changed ownership. The new owners wanted to divert their waste from landfill. WISP forwarded the contact details of CTFS onto Ywaste who subsequently collected the seg-regated sawdust and now collects between 200kg and 300kg every two weeks.

The Ywaste Solution

Although primarily a food waste management service provider, Ywaste also requires carbon rich organic waste such as wood shavings, sawdust, and garden clippings to balance its carbon to nitrogen ratio.

A key aspect of compost management.

Ywaste utilises a combination of bokashi composting and vermiculture (worm farming) methods to provide clients with both on-site and off-site composting solutions.

The process of composting converts organic waste into nutrient rich soil, thereby facilitating a waste-to-soil paradigm.

The Benefits

ECONOMIC BENEFITS



Other than selling their services, Ywaste also sells its compost to various industries ranging from households to nurseries.

The sawdust is collected at no cost to the two waste generators.

ENVIRONMENTAL BENEFITS



Since becoming a WISP member, Ywaste has diverted approximately seven tonnes of sawdust waste per year from landfill.

2.3 tonnes of greenhouse gasses have been reduced per year.

The compost being produced preserves soil security.



WISP

Western Cape Industrial Symbiosis Programme

Delivered by GreenCape

Connecting Industry Creating Opportunity

About WISP

The Western Cape Industrial Symbiosis Programme (WISP) develops mutually profitable links between companies from all industrial sectors, so that under-utilised resources such as energy and water, and/or materials from one company can be recovered, reprocessed and re-used by others.

Driven by Business

The programme uses actual business opportunities as the mechanism for encouraging resource efficiency. Its holistic approach sees it actively dealing with ALL resources including water, energy, materials, logistics, assets and expertise. The programme is based on the highly successful national programme in the UK (NISP), which demonstrated that industrial symbiosis has the potential to significantly reduce industrial and commercial waste and comprehensively lessen the adverse environmental impacts of business.

Free Membership

WISP is a free facilitation service initiated by the Western Cape Government and delivered by the sector development agency GreenCape. WISP enables synergies to happen by filling the gaps that its members, especially SMEs, could experience due to the lack of time or dedicated expertise needed to identify and implement resource, waste and energy efficient practices. The diversity of the industries in which WISP operates, and the variety and size of its business members, means that WISP has the potential to generate significant economic, environmental and social benefits from the synergies and projects that it brings about.

Partnership with Purpose

WISP works hand in hand with leading trade associations, manufacturers and other organisations to add real value to business. We are working in collaboration with the Cape Chamber of Commerce and Industry (CCOC), National Cleaner Production Centre (NCPC), Economic Development Partnership (EDP) and the City of Cape Town.

Contact us to become a member and get involved!

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WISP is delivered by

GreenCape

GreenCape was established to promote the development of the green economy in the Western Cape Province. We assist viable green businesses and potential investors in the green economy to remove barriers to their establishment and growth. Our aim is to help unlock the investment and employment

potential of green business, technologies and manufacturing and put the province on course to become the green economy hub for Sub-Saharan Africa. This work, in turn, contributes to improving the resource efficiency, carbon intensity and resilience of the regional economy.

WISP is funded by:



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