

# Creating Opportunities for Recycling with Alternatives to Landfill

WEEE Industry-meets-Science workshop  
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**RECLITE**  
RECYCLING THROUGH INNOVATION



DON'T THROW YOUR OLD LIGHTS AWAY,



RECYCLE THEM!



[www.reclite.co.za](http://www.reclite.co.za)

# About Reclite

- Reclite recovers all waste lighting lamp types such as fluorescent tubes, CFL's, LED's, HID's, etc. which are recovered and recycled in Reclite's state-of-the art waste lamp processing plant with more than 400 plants in operation worldwide
- Reclite has invested funds and time since 2009 pioneering and developing the lamp recycling market with specific emphasis on the recovered fractions
- Reclite is a fully permitted and licensed H:H Classified facility by the Department of Environmental Affairs since 2013
- Reclite accepts drums with crushed material and whole uncrushed lamps.



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# About Reclite

- Processing efficacy of the plant ensures that all the recovered fractions are clean and desirable for re-use in other applications
- Tests are conducted on all recovered materials in certified laboratories and test results are used for proving suitability and cleanliness for re-use in the same or new applications
- Recovery of resources - All the components are recovered and recycled
- Reclite services customers countrywide, with Depots in Gauteng, KZN, Western Cape, Eastern Cape, and Limpopo



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# Reclite Current Activities

- Lamp Waste is a negative cost stream – ie. comes at a cost to process safely and according to legislation
- The key to any Recycling organisation is to create value out of the recycled products and develop new markets
- Reclite prides itself on the fact that it has off-takes for all its fractions and has created value from its products
- Reclite very active in training and awareness programmes



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# Obstacles to WEEE recycling

- Awareness and Education still lacking
- Changing the waste habits of consumers
- Landfill still main competitor until July 2016
- Extended Producer Responsibility Plan implementation very slow



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# Obstacles to WEEE recycling

- Lack of funding for research and development efforts
- Not enough local capability for processing recovered materials from recycling
- Lack of Local Expertise, need to look abroad for research and/or assistance in most cases
- Perception of a waste and not a resource that can contribute to economy



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# Opportunities for increasing WEEE recycling

- Creating local solutions for recovered materials from WEEE recycling
- Job creation and skills transfer
- Creating local markets supporting the South African circular economy
- Other African countries can benefit through IP transfer/sharing



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# Current gaps in knowledge

- Benefits of diversion from landfill to see the bigger picture
- Many WEEE recycled products exported – need South African solutions
- Lack of understanding of the make up of Recycled materials
- Lack of understanding of the various applications for recycled products



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# THANK YOU

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