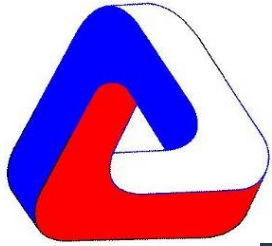


# "Sustainable approaches to modern packaging materials -Carbon Footprint Minimisation"

Professor Edward Kosior

Managing Director, Nextek Limited





# Nextek Limited – Creating Sustainable Solutions in Polymers and Recycling

## **Background**

Professor/Director RMIT Polymer Tech. Centre  
R&D Manager Visy Industries.

Establishment of mixed bottle plant to Visy USFDA rPET process

Revision of Sydney Coca Cola Plant – Phoenix process

Market development bottle, fibre, sheet and moulding applications

## **RECENT UK Projects**

Development of PET recycling plant for Closed Loop London

Development of a new FDA Food Grade PET Recycling Process

Demonstration of Viability of rPET in Retail Packaging: CLL, M&S and Boots

Beverage Packaging Waste Reduction: Light weighting PET bottles, Esterform

Using Post-Consumer Tyres in a Range of New Applications: Pipe Sealing System

Development of Light Weight Compostable Packaging- Sainsburys

Demonstration trial of Recycled HDPE into Milk Bottles- WRAP

## Summary

- Use of polymers in the building industry
- Recycling of Plastics
- Opportunities and cases studies of polymer recycling, rPET, rHDPE, PVC
- Sustainable biopolymers and bioplastics
- Research and development directions in sustainable plastics and Biopolymers
- Investment in new plant and capacity
- Future Directions

