



Alliance for Sustainable Building Products: Zero Plastic to Landfill Initiative

Keith O'Flynn

Introduction



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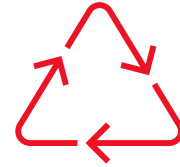
Group Supply Chain
Sustainability Manager

Background

The Problem



50% of waste produced in Ireland is attributed to construction



Only 32% of plastic in Ireland is recycled



Up to 50% of skips on a construction site can be taken up by plastic packaging



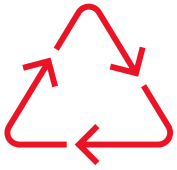
In 2024, only 24% of waste in Ireland was segregated



€1.9m spent on mixed waste skips in 2024 in Ireland

Background

The Proposal and Aims



Send 0% of plastic to landfill



Minimise use of mixed waste skips



Create best in class waste management area



Become first construction project to achieve Zero Plastic to Landfill



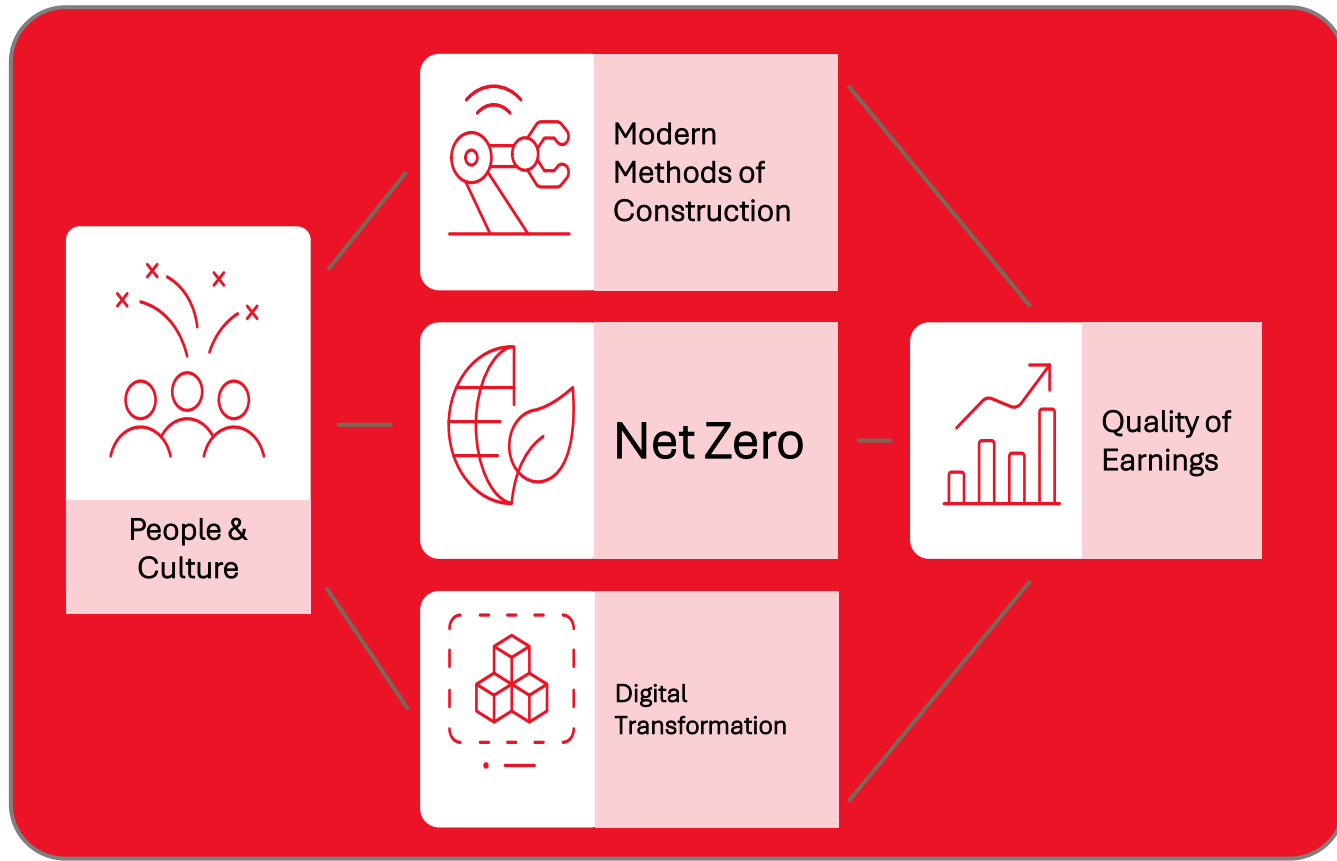
Introduce circular thinking into plastic disposal



Engage with supply chain partners

Background

Alignment Breaking New Ground & Sustainability Roadmap



Target 11



Target 13



Target 14

The Project

Vantage DUB1 DC



DUB1 Campus

€530m



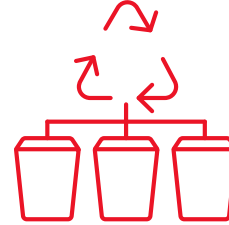
- Development of 2No. data centres, power generation facilities of 47,000m² and associated civils works on an 8.7ha greenfield site
- 52MW of IT capacity & 110MW of on-site power generation capacity
- 5 million+ hours worked to date
- At Peak
 - 950 average workers on-site everyday
 - 100+ Sisk staff on-site
 - 65,000+ hours worked every week

Zero Plastic to Landfill

The Process



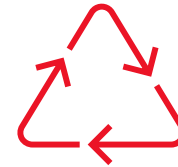
Waste at source disposed of in colour coded bins



Waste segregated into specific streams for recycling



Soft plastics baled into 50kg bales, polystyrene stored separately



Baled plastics collected, recycled and turned into flower pots. Polystyrene collected and recycled into insulation



RPM conduct site audit and facility audits



Zero Plastic to Landfill Certification achieved

Zero Plastic to Landfill

The Process



Zero Plastic to Landfill

Circularity



Zero Plastic to Landfill

The Numbers

15 tonnes

Volume of soft plastics recycled at Vantage Data Centre in 18 months

6 tonnes

Volume of polystyrene recycled at Vantage Data Centre in 18 months

35 %

Reduction in skip costs at Vantage compared to preliminary budgets

1st

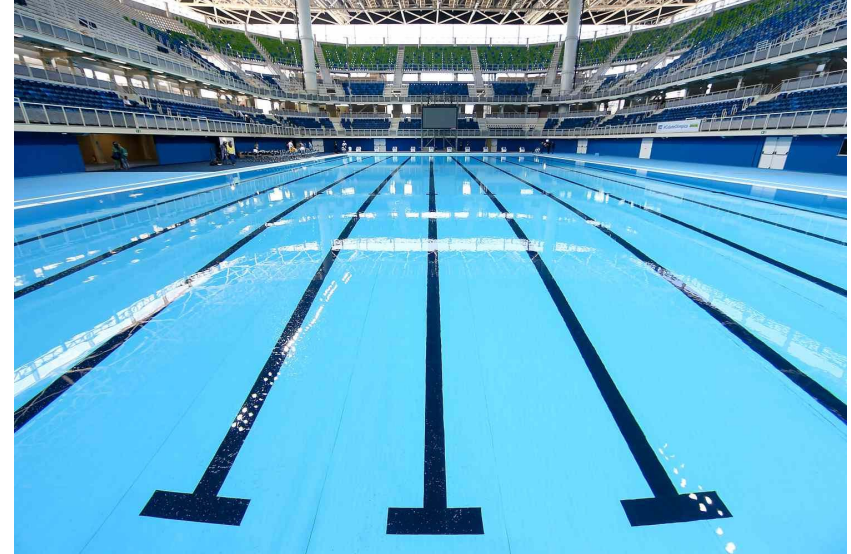
Contractor globally to achieve a Zero Plastic to Landfill certification

45

Number of flowerpots donated to a local school made from plastic recycled at the Vantage Project

0 %

Percentage of waste sent to landfill at the Vantage project



Zero Plastic to Landfill

Achievements and Innovations

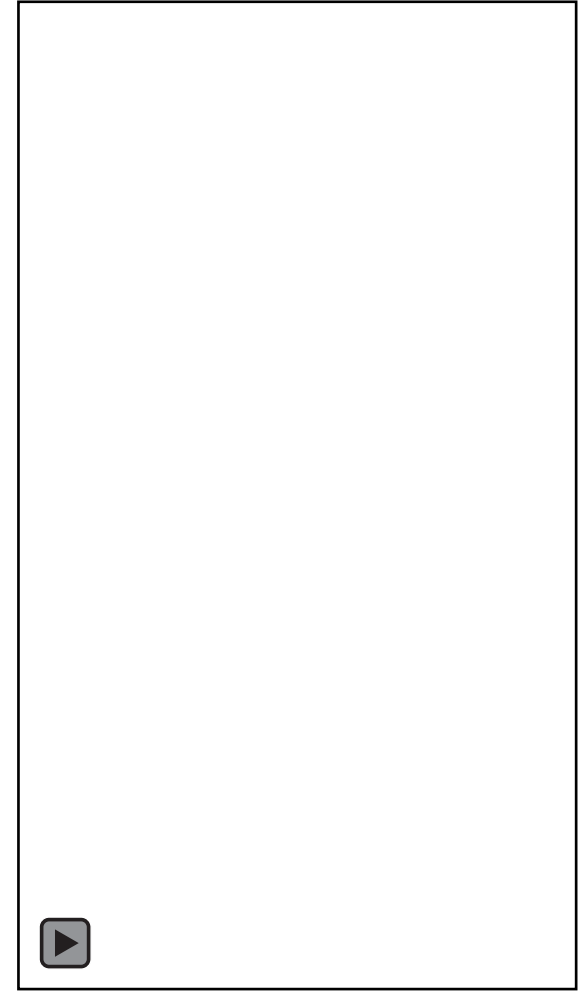


CONGRATULATIONS!
YOUR SITE HAS BEEN SELECTED FOR



Zero Plastic to Landfill

Best in Class Waste Management



Zero Plastic to Landfill

Other benefits of a well-managed waste area



Zero Plastic to Landfill

Other benefits of a well-managed waste area



Zero Plastic to Landfill

The Legacy



Zero Plastic to Landfill

Commercials

ITEM	DESCRIPTION	BUDGET	COST	DELTA	DELTA %
1	Waste Removal / Skips	645,127.71	350,569.91	294,557.80	46%
2	Capital Investement to Waste Management & ZP2L	-	101,532.14	- 101,532.14	-100%
	Sub-total	645,127.71	452,102.05	193,025.66	30%
3	Add labour costs	-	182,534.31	- 182,534.31	-100%
	TOTAL	645,127.71	634,636.36	10,491.35	2%



Thank You