

Waterford Recycling

Date: 2004

Contract Value: €400,000

Contract Summary

MCC's networked to PLC's for control and automation of the plant.

Contract Specifications

The PLC is located in the Main starter panel and controls 20 DOL motors hard wire connected to the PLC, 15 VSD's Profibus connected to the PLC, 14 optical sensors for the control of the Bunkers. 10 emergency stops devices hardwire connected to the PLC and 7 emergency stops grab wires hardwire connected to the PLC

PLC Control System & PLC Hardware

Item	Description	Detail	Quantity
Operator Interface	10" Touch Screen	TBA	1
CPU		16k Ram	1
PSU	Power Supply	240/24vdc	1
Racks	10 Way Slot Rack	10 Slot	2
Digital Inputs	16w	24vdc	10
Digital Outputs	16w	24vdc	4

MCC & Control Panel Designation

- MCC's—Three Number
- PLC's—One Number
- HMI—10" HMI
- Network—Profibus

Location	MCC Ref	PLC	Hardwired Link
Plant Room	MCC-1	PLC 1	TBA
Control Room	C-2	HMI	Profibus
Plant Room	C-3	Bunker Operator Panel	Hardware

Engineers

SFL Engineering Ltd, Industrial Estate, Co. Kilkenny

