















Zonegreen Reference List















CUSTOMER	LOCATION	COUNTRY	YEAR	DESCRIPTION
	Inchicore	Ireland	2022	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 4no. through road depot. Supply including Network Rail Approved powered derailer, RFID control panels, vehicle detection lasers, warning beacons and klaxons. Accompanied by Depot Manager SCADA software system.
	Brighton	UK	2022	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 11no. Single ended roads. Supply including Network Rail Approved powered derailer, RFID control panels and warning beacons . DPPS interlocked with 750V traction power, crane and pit lighting. System accompanied by Depot Manager SCADA software system.
	Connolly Valeting Plant	Ireland	2022	Design and build of a Vehicle Movement Warning System for 2no. Road Shed. Supply include operator panels, vehicle detection, automatic door control, movement warning beacons and klaxons.
	Fratton	UK	2021	Design and build of 1no Points Converter with key switch operator panel.
	Daventry International Rail Freight Terminal (DIRFT)	UK	2021	Design and build of 5no. Key switch operated Powered Derailers protecting a traverser.
	IEP - Doncaster	UK	2021	Design and build of a Sidings Warning System , providing visual and audible warning of vehicle movements on 3no. Fuelling Roads.
	Aberdeen Clayhills	UK	2021	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 1no. through road. Supply including Network Rail Approved powered derailer, RFID control panels, warning beacons and klaxons. Accompanied by Depot Manager SCADA software system.
	Norwich Crown Point Roads 12 &13	UK	2021	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 2no. Single ended roads. Supply including Network Rail Approved powered derailer, datakey control panels, warning beacons and klaxons. Existing Depot Manager SCADA software system updated to include additional 2no roads.
	Eastcroft	UK	2021	Design and build of 1no Points Converter with key switch operator panel.
	Bedford	UK	2021	Design and build of SMART DPPS™ (Depot Personnel Protection System) upgrade for 3no. Single ended roads. Supply including Network Rail Approved powered derailer, datakey control panels, warning beacons and klaxons. DPPS interlocked with flank protection far manual derailer and Crane. System accompanied by Depot Manager SCADA software system.
	Stewarts Lane	UK	2021	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 14no. Single ended roads. Supply including Network Rail Approved powered derailer, RFID control panels and warning beacons . DPPS interlocked with pit lighting. System accompanied by Depot Manager SCADA software system.
	Newton Heath New Shed	UK	2020	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 4no. Single ended roads. Supply including Network Rail Approved powered derailer, datakey control panels, warning beacons and klaxons. DPPS interlocked with Engine Drop, 2no Cranes and Pit Lighting. System accompanied by Depot Manager SCADA software system which is integrated with the existing shed DPPS.
	Auburn	Australia	2020	Supply of SMART DPPS™ (Depot Personnel Protection System) for 14no. Single ended roads. Supply including Network Rail Approved powered derailer, datakey control panels.
	Ryde	Isle of Wight	2020	Design and build of 3no Points Converter with key switch operator panel.
	Fairview	Ireland	2020	Design and build of a Vehicle Movement Warning System for 3no. Through roads. Supply include key switch operator panels, beacons and klaxons.

	South Shields	UK	2020	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 2no. Single ended roads. Supply including Network Rail Approved powered derailer, datakey control panels, warning beacons and klaxons.
	Kings Heath Upgrade	UK	2019	Design and build of SMART DPPS™ (Depot Personnel Protection System) upgrade for 6no. Single ended roads shed and 8no sidings roads. Supply including Network Rail Approved powered derailer and datakey control panels which were integrated with the existing warning beacons and klaxons. System accompanied by Depot Manager SCADA software system.
	Northam Upgrade	UK	2019	Design and build of SMART DPPS™ (Depot Personnel Protection System) upgrade for 4no. Single ended roads shed and 4no sidings roads. Supply including Network Rail Approved powered derailer and datakey control panels which were integrated with the existing warning beacons and klaxons. System accompanied by Depot Manager SCADA software system.
	Ardwick Stabling	UK	2019	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 4no. New sidings roads. Supply including Signalling interface protection, datakey controlled panels and warning beacons.
	Pakenham HCMT	Australia	2019	Design and supply of SMART DPPS™ (Depot Personnel Protection System) for 16no. road. Supply including Network Rail Approved powered derailer and datakey controlled panels. Accompanied by Depot Manager SCADA software system.
	Norwich Crown Point - Road 14	UK	2019	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 1no. through road. Supply including Network Rail Approved powered derailer, datakey control panels, warning beacons and klaxons. Existing Depot Manager SCADA software system updated to include additional 1no roads. Interlocking with mobile platform, exhaust extraction and crane.
	Hornsey	UK	2019	Design and build OLE Interlocking system . Monitored high level access gates, radiant heating interlock inhibiting access to high level unless OLE and radiant heating are isolated and off.
	Doha Metro - Ras Bu About	Doha	2019	Design and supply of SMART DPPS™ (Depot Personnel Protection System) for 1no. Road depot. Supply including Network Rail Approved powered derailer, datakey controlled panels, warning beacons and klaxons.
	Grove Park	UK	2019	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 2no. Single ended roads. Supply including Network Rail Approved powered derailer and datakey control panels. DPPS is interlocked with the third rail traction supply.
	Doha Metro - Al Rayyan	Doha	2018	Design and supply of SMART DPPS™ (Depot Personnel Protection System) for 7no. Road depot. Supply including Network Rail Approved powered derailer, datakey controlled panels, warning beacons and klaxons. Accompanied by Depot Manager SCADA software system.
	Norwich Crown Point - Roads 16 & 17	UK	2018	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 2no. single ended roads. Supply including Network Rail Approved powered derailer, datakey controlled panels, warning beacons and klaxons. DPPS interlocked with OLE, gantry access, exhaust extraction and crane. System accompanied by Depot Manager SCADA software system.
	Chingford	UK	2018	Design and build of OLE Interlocking for 2no. Sidings Roads. Supply including OLE status indicator beacons, interlocked manual derailer to prevent bridging of isolated section, interlocking of gantry access gates and interlocking of jet wash.
	Willesden	UK	2018	Design and build of OLE Interlocking for 3no. Roads. Supply including OLE status indicator beacons, interlocking of gantry access gates, fall prevention barriers, air bladders, jacks and jet wash.
	Doha Metro - AL Wakra Depot	Doha	2018	Design and supply of SMART DPPS™ (Depot Personnel Protection System) for 14no. Road depot. Supply including Network Rail Approved powered derailer, datakey controlled panels, warning beacons and klaxons. Accompanied by Depot Manager SCADA software system.
	Banbury	UK	2017	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 2no. fuel roads an 1no. UFW road. Supply including signalling interface, datakey controlled panels, warning beacons and klaxons.
	Widnes	UK	2017	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 3no. Road depot. Supply including Network Rail Approved powered derailer, datakey controlled panels, warning beacons and klaxons.
	Temple Mills Phase 2a	UK	2016	Design and build of OLE Interlocking for 4no. Roads. Supply including interlocking of gantry access gates, fall prevention barriers, mobile platforms and cranes.
	Reading Wheel Lathe	UK	2016	Design and build of SMART DPPS™ (Depot Personnel Protection System) for new Wheel Lathe Road. Supply including Network Rail Approved powered derailer, datakey controlled panels, warning beacons and klaxons. System integrated with the existing DPPS. Existing Depot Manager SCADA software system updated to include additional 1no roads

	Newton Heath	UK	2016	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 10no. road main shed and 2no fuelling roads, 1no. Points Converter , 3no. Road Crossing Barriers . Supply including wheel stops, datakey controlled panels, warning beacons and klaxons . DPPS interlocked with Road Crossing Barriers and cranes. System accompanied by Depot Manager SCADA software system.
	Wimbledon	UK	2015	Design and build of 1no Points Converter with key switch operator panel, and warning beacons indicating when the points are set towards the Wheel Lathe Road.
	Craigenstinny	UK	2015	Design and build of 4no Points Converter with computer system routing control.
	Crossrail - Old Oak Common	UK	2015	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 9no. road shed. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons . DPPS interlocked with OLE, gantry access, cranes, turntable and bogie drop. System accompanied by Depot Manager SCADA software system.
	IEP - Doncaster	UK	2014	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 5no. road shed. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons . DPPS interlocked with OLE, gantry access, cranes, fume extract, bogie drop and signalling system. System accompanied by Depot Manager SCADA software system.
	Wulkuraka, Ipswich	Australia	2014	Design and supply of SMART DPPS™ (Depot Personnel Protection System) for 14no. road. Supply including Network Rail Approved powered derailer and datakey controlled panels. Accompanied by Depot Manager SCADA software system.
	IEP - Swansea	UK	2014	Design and Supply of Depot Protection System for 1no. Road shed. Supply including Network Rail Approved powered derailer, control panel, warning beacons and signalling interface.
	IEP - Stoke Gifford	UK	2014	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 2no. road main shed and wheel lathe building. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons . DPPS interlocked with OLE, gantry access, cranes, fume extract and bogie drop. System accompanied by Depot Manager SCADA software system.
	Willesden	UK	2014	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 6no. road shed. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons . System accompanied by Depot Manager SCADA software system.
	Thameslink - Three Bridges	UK	2014	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 5no. road main shed, wheel lathe building, UFC and 11no Sidings Roads. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons . DPPS interlocked with OLE, gantry access, cranes, fall arrest system, bogie drop and pressure washers. System accompanied by Depot Manager SCADA software system.
	Thameslink - Hornsey	UK	2014	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 9no. shed roads, wheel lathe building, UFC and 10no Sidings Roads. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons . DPPS interlocked with OLE, gantry access, cranes, fall arrest system, bogie drop and pressure washers. System accompanied by Depot Manager SCADA software system.
	Hull	UK	2014	Design and build of 11no Points Converter with remote operator handsets.
	IEP - North Pole	UK	2014	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 6no. road main shed. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons . DPPS interlocked with OLE, gantry access, fume extract and bogie drop. System accompanied by Depot Manager SCADA software system.
	Wimbledon	UK	2014	Design and build of 1no Points Converter with key switch operator panel, and warning beacons indicating when the points are set towards the Bogie Drop Road.
	Auckland	New Zealand	2013	Design and supply of SMART DPPS™ (Depot Personnel Protection System) for 4no. road. Supply including Network Rail Approved powered derailer and datakey controlled panels. Accompanied by Depot Manager SCADA software system.
	Reading	UK	2013	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 4no. road main shed and UFC. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons . DPPS interlocked with OLE, gantry access, fall arrest system, crane and pressure washer. System accompanied by Depot Manager SCADA software system.
	Nola	Italy	2012	Operator Planning Suite (OPS) Software System for NTV High Speed Pendolinos Depot in Nola
	Polmadie	UK	2012	Design and build of 1no Points Converter with remote operator handsets.

	Oxley	UK	2012	Design and build of 1no Points Converter with remote operator handsets.
	Tyseley	UK	2011	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 13no. road main shed. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons. DPPS interlocked with wheel lathe. System accompanied by Depot Manager SCADA software system.
	Polmadie	UK	2011	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 5no. road main shed. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons.
	Wembley	UK	2011	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 4no. road main shed. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons. DPPS interfaced with Signalling system.
	Wellington	New Zealand	2010	Design and supply of SMART DPPS™ (Depot Personnel Protection System) for 3no. road. Supply including Network Rail Approved powered derailer and datakey controlled panels. Accompanied by Depot Manager SCADA software system.
	Ramsgate Traincare Depot	UK	2009	Interlock panels and access locking units
	Alstom Traincare Depot, Polmadie	UK	2009	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 2no. Roads. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons.
	Ramsgate Traincare Depot	UK	2009	Design and build of SMART DPPS™ (Depot Personnel Protection System) for 4no. Roads. Supply including Network Rail Approved Derailers, datakey controlled panels, warning beacons and klaxons.
	CR1 Maltepe	Turkey	2009	SMART DPPS™ for 4 single ended roads, incl. installation, commissioning, training and handover
	CR1 Halkali	Turkey	2009	SMART DPPS™ for 4 single ended roads, incl. installation, commissioning, training and handover
	TCDD Gebe	Turkey	2009	SMART DPPS™ for 3 through roads, incl. installation, commissioning, training and handover
	TCDD Halkali	Turkey	2009	SMART DPPS™ for 4 through roads incl. installation, commissioning, training and handover
	New Train Servicing Depot, Etches Park, Derby	UK	2009	SMART DPPS™ for 5 road ends in main shed + 1 road end in wheel lathe shed, to include powered derailer, warning beacons and Klaxons
	Shields Depot, Glasgow	UK	2009	SMART DPPS™ for 3 single ended roads and 1 wheel lathe road Warning system, main, overhead crane + bogie drop interlocks Depot overview software.
	Midland Traincare Centre, Oxley	UK	2008	Design and build derailer interlock Oxley system consisting: Three road shed with interface to existing Tangent control system 1 road two derailer interfaced to DPS installed on the level crossing
	Edge Hill Depot	UK	2008	SMART DPPS™ for 2 single ended roads to include powered derailer, warning beacons and klaxons. 8 monorail crane interlocks
Joint Venture 	East London Line Project	UK	2008	SMART DPPS™ for 10 x single end roads. Electronic Interlocking is provided for cranes, wheel lathe and heavy cleaning shed. System also includes overview PC and software
	Bedford Cauldwell Park Depot	UK	2008	SMART DPPS™ Depot Personnel Protection System for 1 x single end road

	Green Line Depot	Dubai UAE	2008	SMART DPPS™ for 7 single ended roads and 4 through roads. Electronic Interlocking is provided for wheel lathe and lifting plant.
	Ramsgate Traincare Depot	UK	2008	Road 15 & 16 sidings walkway protection and warning system
	Old Oak Common HST Depot	UK	2008	Remote Key Exchange System for Wheel Lathe Building
	Bristol St Phillips Marsh Depot	UK	2008	SMART DPPS™ Depot Personnel Protection System for 1 x through road
	East Midlands Rail Etches Park	UK	2008	SMART DPPS™ system for 2 x 2 sidings road for HST and Meridian vehicles
	Jebel Ali and Rashidiya Depots	Dubai UAE	2008	SMART DPPS™ for 7 single ended roads and 4 through roads at each depot. Electronic Interlocking is provided for wheel lathe and lifting plant.
	Portlaoise Depot	Ireland	2008	SMART DPPS™ for a 5 road maintenance depot. System has electronic interlocks for the wheel lathe and underfloor lifting system. System also has Depot Manager monitoring software
	Ramsgate Traincare Depot	UK	2008	SMART DPPS™ for 5 road depot. Electronic interlocks are provided for the 3rd rail supply and Bogie Drop.
	Ashford Traincare Depot	UK	2008	SMART DPPS™ for 5 road depot. Electronic interlocks are provided for the 3rd rail supply and Bogie Drop.
	Bristol St Phillips Marsh Depot	UK	2007	2 road maintenance depot installation of DPPS
	CTRL Temple Mills Depot	UK	2007	World Class installation to safety level SIL 1 of SMART 1 DPPS on 8 maintenance shed roads and 3 bogie overhaul facility building. System interfaces with the depot SSI system. Electronic interlocking is included for the doors, OLE, SSI, bogie drop system and the wheel lathe. System also includes the latest revision of Depot Manager monitoring software
	Manchester	UK	2006	Powered derailleurs with interlocked warnings and signals on a new 4 road maintenance facility plus 4 fuel sidings and a carriage wash facility. Networked control panels incorporate electronic personal protection with data keys. The system is complete with electronic interlocking with the 2 bogie drop installations & door controls.
	Northampton	UK	2006	Powered derailleurs with interlocked warnings and signals on a new 4 road maintenance facility + fuel sidings and carriage wash facility. Networked control panels incorporate electronic personal protection with data keys. The installation includes automatic vehicle identification across the depot and Depot Manager software installed onto a supervisor's PC with graphical display of the depot layout, depot protection status, personnel location and train location. The system is complete with electronic interlocking for a Bogie drop installation, OLE, Lux Lifts and door controls.
	York	UK	2006	Powered derailleurs with interlocked warnings and signals on a new 2 road maintenance facility. Networked control panels incorporate electronic personal protection with data keys. The installation includes automatic vehicle identification across the depot and Depot Manager software installed onto a supervisor's PC with graphical display of the depot layout, depot protection status, personnel location and train location.
	Oxley	UK	2005	OLE Key Exchange System
	Manchester	UK	2005	DPS Jack Interlocking System