

Responsibility

1. It is the responsibility of the Environmental Management Representative to maintain this document.

Scope

2. This document lists the environmental aspects and impact identified as a result of the activities, products and services provided by Vision Alert Automotive Ltd.
3. Alongside each activity, product or service, the possible environmental impacts that could result through normal or abnormal operation are listed, along with any controls and measures that have been put in place.

Procedure

4. Activities, products and services are examined to identify any environmental aspects and impacts, along with appropriate controls and measures to prevent or reduce the impact to acceptable levels.
5. If there are changes to products, activities or services, then the environmental aspects and impacts are re-assessed.
6. Changes to environmental aspects and impacts are reviewed at the Environmental Review meeting.

Environmental Impact

7. Any paperwork received shall be segregated and recycled using the most suitable re-cycling method, once it is deemed no longer required.
8. Land fill waste shall be kept to a minimum.
9. All department equipment and lighting shall be turned off at the end of the day and when not in use for long periods.
10. Every effort should be made to minimise the Company's Environmental impact.
11. All work activities shall be carried out under ISO14001 guidelines.

Revision and Amendment Register

Issue	Date	Section Changed	Changes / Comments
A	10/11/2010	ALL	New Document
B	11/03/2011	Register of Environmental Aspects and Impacts	Impacts quantified and significance added.

Register of Environmental Aspects and Impacts

Activity, Product or Service	Environmental Aspect	Potential Environmental Impact	Amount and/or Occurrence	Significance	Control and/or Measure
Freight	Shipments by road, sea and air.	Air Pollution through CO2 Emissions	Daily	High	Efficient order volume to reduce transport. UK Suppliers where possible to reduce miles.
		Noise Pollution	Daily	Low	Efficient order volume to reduce transport. Daytime deliveries to reduce noise pollution.
		Water Pollution and Land Contamination through Fuel Spillages	Extremely Rare	High	Spillage kit and drain covers to deal with possible fuel/oil leaks from vehicles.
Energy Usage	Use of electricity and gas for heating, lighting and operations.	Air Pollution through CO2 Emissions	Daily	High	Meter readings taken weekly. Single shift to reduce energy usage. Manufacturing shutdown after working hours. Regular maintenance.
Company Business Travel	Company travel by road, sea and air.	Air Pollution through CO2 Emissions	Daily	High	Use efficient, modern vehicles to reduce CO2. Local EU sales agents to reduce air travel. Localisation of global markets to reduce intercontinental travel.
		Noise Pollution	Daily	Low	Use efficient, modern vehicles to reduce noise. Local EU sales agents to reduce air travel. Localisation of global markets to reduce intercontinental travel.
Staff Transport	Travel to work.	Air Pollution through CO2 Emissions	Daily	High	Majority of employees taken from local community to reduce travel. Use of public transportation. Allow car sharing where feasible.
		Noise Pollution	Daily	Low	Single day shift to eliminate noise at unsociable hours.

Activity, Product or Service	Environmental Aspect	Potential Environmental Impact	Amount and/or Occurrence	Significance	Control and/or Measure
General Manufacturing	Energy usage and noise through manufacturing operations	Air Pollution through CO2 Emissions	Daily	High	Meter readings taken weekly. Single shift to reduce energy usage. Manufacturing shutdown after working hours. Regular equipment maintenance.
		Noise Pollution	Daily	Low	Single shift to reduce noise pollution at unsociable hours.
		Battery Acid Hazardous Material	Daily	Medium	Regular forklift maintenance and battery inspections.
Manufacturing Process Residues	Fumes, Chemical Spillages and Waste Materials from the Manufacturing Process	Air Pollution through PCBA Manufacture	Occasional Use	Low	Outsourcing of PCBA manufacture, reducing the need for wave solder equipment. Filtered LEV on wave solder equipment to reduce fumes. Regular maintenance of the wave solder equipment. Solvents and Emissions Procedure.
		Air Pollution through Wetline Process	Daily	Low	Sealable, segregated bin for chemical residues, to reduce fumes in the work environment. Air extraction bench, with filters to reduce fumes in the work environment.
		Chemical Spillage Hazardous Material	Rarely	Low	Spillage kit to deal with chemical spills. Solvents and Emissions Procedure.
		Production Waste	Daily	High	Waste segregation. For all waste types, impacts, controls and measures, see 'Waste'.
Component Part Raw Materials	Energy Usage and Possible Environmental Damage in Production of Raw Materials	Air Pollution through CO2 Emissions	Occasional	Low	When new products are being developed, or if replacement parts are being considered, consideration is given to new materials where improved processes may have an improved impact on the environment.
		Water Pollution, Land Contamination, Resource Depletion	Occasional	Low	

Activity, Product or Service	Environmental Aspect	Potential Environmental Impact	Amount and/or Occurrence	Significance	Control and/or Measure
Waste	Recycling of Waste Electrical and Electronic Equipment	Solid Waste to Landfill, Land Contamination, Hazardous Material	Approx. 2kg Daily	Low	Members of WEEE Scheme for waste recovery. Segregated disposal bin, specifically for WEEE. Weights monitored at each collection.
	Re-use and recycling of Cardboard	Solid Waste to Landfill, Destruction of Trees, Resource Depletion	Approx. 130kg Daily	High	Cardboard segregated and baled for recycling. Weights monitored at each collection. Awareness training to ensure correct disposal.
	Shredding and recycling of Confidential Papers	Solid Waste to Landfill, Destruction of Trees, Resource Depletion	Approx. 9Kg Daily	Low	Segregated disposal bin, specifically for confidential papers. Weights provided yearly by waste carrier.
	Recycling of Polythene	Solid Waste to Landfill, Decomposition Time, Resource Depletion	Approx. 12kg Daily	Medium	Polythene segregated and baled for recycling. Weights monitored at each collection. Awareness training to ensure correct disposal.
	Recycling of scrap wire and aluminium	Solid Waste to Landfill, Resource Depletion	Approx. 5kg Daily	Low	Segregated and stored, ready for collection. Weights monitored at each collection. Awareness training to ensure correct disposal.
	Recycling of Polycarbonate	Solid Waste to Landfill, Decomposition Time, Resource Depletion	Approx. 20kg Daily	Medium	Segregated disposal bins specifically for PC. Weights provided yearly by waste carrier. Awareness training to ensure correct disposal.
	General Wastes, and Other Recyclable Materials, inc. paper	Solid Waste to Landfill, Decomposition Time, Resource Depletion	Approx. 34kg Daily	Medium	Segregated disposal bins and skips. Weights provided by waste carrier. Awareness training to ensure correct disposal.
	Wooden Pallets	Solid Waste to Landfill, Destruction of Trees, Resource Depletion	Approx. 60kg Daily	High	Segregated skip provided. Weights provided yearly by waste carrier. Advise suppliers to use re-usable Euro Pallets.
	Hazardous Wastes	Hazardous Material, Land Contamination, Water Pollution	Less than 1kg Daily	Low	Segregated storage away from other wastes. Collection by hazardous waste carrier when required.
	Recycling of IT Wastes, such as WEEE & Toners	Solid Waste to Landfill, Land Contamination, Hazardous Material,	Occasional Collections	Low	Segregated storage for IT waste. Specialist IT waste carrier used.