Green Goals - 2009 to 2014

Edwards Vision - To be the environmental leader in the field of vacuum pumping and abatement by applying technology, products and services to benefit the environment for future generations

Strategic Outcome Goals by 2014	Edwards Site	Tactical Owner	2009 Progress Against Goals		2010 Progress Against Goals		2011 Progress Against Goals		2012 Progress Against Goals		Deliverables in 2013	Deliverables in 2014
Product Stewardship												
(A) Reduce our customers' carbon footprints through the use of our products - by providing equipment to abate our customers' emissions and introducing high efficiency vacuum and abatement products.	Corporate	Director of Technology	Continue deployment of energy efficient iXH harsh duty drypump saving 10% power in semiconductor and 30% power in FPD applications Continue deployment of fuel efficient Atlas abatement range	● ●	Launch energy efficient iXL120 light duty semiconductor pump using 45% less power for the same pumping capacity Communicate environmental benefits of Atlas product range to key customers	● ●	Launch iXL500 and iXH500H series using 20% less power and 40% less N_2 for pumping in flat panel and solar applications All Edwards drypumps equipped with Green Mode capability Deploy Green Mode utility reduction capability through the development of generic 'ecolink' interface	● ● ●	Demonstrate next generation drypumping power, water and N_2 reduction technologies Launch application specific integrated pumping and abatement systems using less power, N_2 and water Launch next generation medium maglev turbo pump platform delivering higher performance from lower power	● ● ●	Launch large Turbomolecular pump using less power Introduce power reduction improvements in major variants of small dry pump product range Introduce maintenance-free high efficiency small drypump technology	Launch next generation series of dry pumps realising less power, less N_2, less water Launch next generation small scientific pump with improved performance / material ratio Demonstrate low carbon-footprint PFC abatement solutions
	Corporate	Director of Technology	Comply with Edwards Voluntary RoHS policy	●	Comply with Edwards Voluntary RoHS policy	●	Comply with Edwards Voluntary RoHS policy	●	Comply with Edwards Voluntary RoHS policy	●	Comply with Edwards Voluntary RoHS policy	Comply with Edwards Voluntary RoHS policy
Operations												
(B) Reduce the carbon intensity of our operations [1]	All sites	Operations Director	Scope 1 and 2 emissions decreased by 19% cf 2006 baseline	●	Scope 1 and 2 emissions decreased by 5% cf 2008 baseline - achieved 2% reduction	◐	Reduce carbon intensity from electricity & gas usage in tonnes/£ of sales year on year - achieved 24% reduction on 2010	●	Reduce carbon intensity from electricity & gas usage in tonnes/£ of sales year on year	*	Reduce carbon intensity from electricity & gas usage in tonnes/£ of sales year on year	Reduce carbon intensity from electricity & gas usage in tonnes/£ of sales year on year
	All sites	Operations Director	Negative tonnes over product lifecycle CO_2e Scope 1, 2, 3 = 4.3 million tonnes	●	Negative tonnes over product lifecycle CO_2e for Scope 1,2, and 3 emissions = 4.5 million tonnes	●	Negative tonnes over product lifecycle CO_2e for Scope 1,2, and 3 emissions = 4.4 million tonnes	●	Continue to be carbon negative over our products lifecycle	*	Continue to be carbon negative over our products lifecycle	Continue to be carbon negative over our products lifecycle
(C) Reduce water usage at our facilities	All sites	Operations Director	---		---		Measure monthly water usage at all facilities	●	Examine water reduction possibilities, determine if target required for overall water usage (m3/£ revenue)	*	Achieve target, if set	Achieve target, if set
(D) Reduce waste - from our facilities, eliminating all waste to landfill - and by enabling the reuse of our products through service and remanufacture	All sites	Operations Director	---		---		Measure monthly waste to landfill usage at all facilities	●	Reduce overall tonnage of waste to landfill/£ revenue year on year	*	Reduce overall tonnage of waste to landfill/£ revenue year on year	Reduce overall tonnage of waste to landfill/£ revenue year on year
(E) Environment Management system - maintain ISO14001 compliance for all Major Sites and introduce a global environmental management system for the business	All sites	Operations Director	Maintain 3rd party certification to ISO14001 for all major sites in Europe, Asia and US	●	Maintain 3rd party certification to ISO14001 for all major sites in Europe, Asia and US Achieve 3rd party certification at 3 sites - Czech Republic (2) and Mexico	●	Maintain 3rd party certification to ISO14001 for all major sites in Europe, Asia and US	●	Maintain 3rd party certification to ISO14001 for all major sites in Europe, Asia and US	●	Maintain 3rd party certification to ISO14001 for all major sites in Europe, Asia and US	Maintain 3rd party certification to ISO14001 for all major sites in Europe, Asia and US
All staff receive relevant training material	All sites	General Manager EHS		-	Training module completion is 80% or higher	●	Training module completion is 85% or higher	●	Training module completion is 90% or higher	●	Training module completion is 95% or higher	Training module completion is 95% or higher

[1] Refer to Edwards Green House Gas (GHG) Report for 2012 for details

* to be confirmed following publication of GHG report for 2013

● fully achieved
◐ partially achieved
○ not achieved
\- not applicable

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