

Energy management plan 2020

site	scope	topic	detail	target value (related to site)	unit	value (ton CO ₂)	responsible	result	value	unit'	value (ton CO ₂)'	annotation
WIL	3	new quay	constructing new quay	yes			project manager					Works started beginning of 2019. Not completed yet.
G	3	ECO Design	reduction of needed amount of steel and paint or substitution of aluminium			1500	engineering manager					
SPB	1	electricity: replacing generators	expanding electrical installation to replace generators in dock	50.000	L	160	director SPB					Shift from scope 1 fuel oil to scope 2 electricity, which is 100% green.
IEM	2	electricity: wind turbine	placing of Eneco wind turbine	yes			director IEM					Study completed. Permit OK december 2019. Remark: Switch from purchase to own production, no CO ₂ savings as the switch is from solar to wind. But this means the total production of green energy enlarges, and thus is available for other consumers.
WIL	2	electricity: wind turbine	study wind turbine Balen	under investigation			director WIL					investigation ongoing by Eneco
new	WIL	1	heating: geothermal energy	study geothermal energy Balen	under investigation		director WIL					
	SPB	2	electricity: wind turbine	study wind turbine Hoboken	under investigation		director SPB					investigation ongoing by Eneco
	SPB	2	electricity: solar panels	study solar panels Hoboken	under investigation		director SPB					investigation ongoing. Not on roof as structure is not suited. Currently investigating wall mounted panels.
new	SPO	2	electricity: green supplier	study possibility green supplier Poland	2.500.000	kWh	1623	director SPO				search for 100% green and local electricity
	SPU	2	electricity: green supplier	study possibility green supplier UK	2.000.000	kWh	1298	director SPU				search for 100% green and local electricity
new	IEM	2	electricity: measuring is knowing	detailed study of energy use	yes		technician electrical automation					Study with Siemens devices ongoing
new	WIL	2	electricity: measuring is knowing	detailed study of energy use	yes		technician electrical automation					Study with Siemens devices ongoing
	SPB	2	electricity: measuring is knowing	detailed study of energy use	yes		technician electrical automation					Sensorfact measuring devices installed October 2019. Not working properly. Only measuring current, not voltage. So no calculation of co ₂ . New study with Siemens devices ongoing.
new	SPO	2	electricity: measuring is knowing	detailed study of energy use	yes		technician electrical automation					Study with Siemens devices ongoing
new	G	1 + 2 + 3	Tennet HKN/HKW project	project with award advantage * calculate project scope 1-2 emissions * keep Environmental Cost Indicator under 9.000.000 €	yes		project ECI manager					Keeping the ECI under 9.000.000 € does not count as a "reduction". But a lot of possibilities will be ruled out to keep the cost under this threshold. A number for "avoided emissions" compared to a normal project will be recorded.
new	WIL	1	heating: insulation	Asbestos removal and roof insulation hall E	yes		director WIL					
new	WIL	1 + 2	heating + electricity	automated control of welding fume filtration hall F	tbd		technician electrical automation					
new	IEM	1 + 2	heating + electricity	automated control of painting hall extraction system	tbd		technician electrical automation					
new	IEM	2	electricity: efficient use	upgrade plasma cutter	tbd		director IEM					
new	G	3	transport of employees: electric cars	add to car policy: charge point squating	yes		Financial director					
new	G	1	transport of employees: electric cars	study electric car lease program	under investigation		Financial director					
new	WIL	3	transport of employees: electrical bikes	additional charging points for electrical bikes	yes		director WIL					
new	SPO	1 + 2	various	renovation plan Niemodlin: lighting, heating, insulation (wall panels, skylights)	yes		director SPO					As there is no historic data available, it is not possible to calculate savings from these actions.

Reduction target scope 1/2 : 3081
27,84%

Realized reduction: ton CO₂ / year
% of 2019

Reduction target scope 3 : 1500 ton CO₂ / year

ton CO₂ / year