



# Ferreycorp

## Internal Carbon Pricing



# **Carbon offsets costs as internal carbon pricing for eco-efficiency projects evaluation**



# Electric Forklift Change Project (executed on 2024)

Total conventional forklift changed for electrical forklift = 14 forklifts



Analysis for one forklift	Conventional GP35NM	Electric EP35AN	Savings
Leasing cost (USD/month)	1,178.75	1,412.00	233.25
Fuel cost (USD/ hour)	2.20	1.34	0.86
Annual Carbon Footprint (T CO2e/ forklift)	58.37	13.02	45.35
Annual cost from carbon offsetting (USD /forklift-year)	350.22	78.12	272.1

Electrical forklift environmental advantages

- Lower CO2 emissions
- Noise reduction



Internal Carbon Pricing (shadow) 6 USD



# Photovoltaic solar panels in Arequipa branch (executed on 2024)



Description	Unit	Value
Subsidiary	-	Ferreyros
Branch	-	Arequipa
Power	KW	80
Annual energy generation	MWh	136
Invest amount	USD	75,000
Avoided carbon footprint	tCO2e/year	29.1
Avoided carbon footprint offsets costs	USD/year	174.4
Service life	year	20
Total carbon footprint offsets costs avoided	USD	3,488



Internal Carbon  
Pricing (shadow)  
6 USD





# Photovoltaic solar panels in Cajamarca branch (evaluated in 2024 to execute in 2025)

Description	Unit	Value
Subsidiary	-	Ferreyros
Branch	-	Cajamarca
Power	KW	67
Annual energy generation	MWh	114,8
Service life	year	15
Savings by electricity consumption	S/. / year	34,434
Savings by electricity consumption (total service life)	S/.	516,360
Invest amount	S/.	158,906
Renewable energy self-sufficiency percentage at branch	%	61%
Avoided carbon footprint	tCO2e/year	24.52
Avoided carbon footprint offsets costs	USD/year	147.1
Total carbon footprint offsets costs avoided	USD	2,206.5



Internal Carbon  
Pricing (shadow)  
6 USD



# **Annual distribution of carbon footprint offset costs to each subsidiary**



# 2023 carbon footprint offsets (executed in 2024)

Company	
Project	Cordillera Azul National Park REDD Project
vintage	2016

Each year, Ferreycorp offsets its carbon footprint, with each subsidiary covering the cost of the offsets based on the carbon footprint it generates.

This type of management prepares each subsidiary to include these costs in their budgets and to be better prepared for potential regulatory changes

## 2023 CARBON FOOTPRINT OFFSETS PURCHASED

SUBSIDIARY	CARBON FOOTPRINT 2023					TOTAL OFFSET	
	CAT 1 t CO2 e	CAT 2 t CO2 e	CAT 3 t CO2 e	CAT 4 t CO2 e	TOTAL t CO2 e	t CO2 e	USD
Fargoline	1.469,92	184,86	405,72	24,26	2.084,77	2.085,50	
Ferreycorp	55,27	63,93	181,73	1,93	302,85	303,00	
Ferreyros	3.451,13	2.294,01	25.191,09	248,06	31.184,27	11.196,40	
Forbis Logistics	1,92	6,63	6.196,05	0,54	6.205,14	2.302,00	
Motomaq	65,81	0,00	0,60	0,09	66,50	67,00	
Orvisa	188,50	200,67	582,30	1,56	973,03	973,70	
Servitec	0,00	0,00	0,04	0,00	0,04	1,00	
Soltrak	51,61	126,21	2.471,93	1,57	2.651,32	2.652,10	
Trex Chile	289,79	37,87	293,44	0,72	621,83	622,00	
Unimaq	746,37	182,99	2.399,50	12,85	3.341,70	3.342,40	
TOTAL	6.320,31	3.097,17	37.722,39	291,58	47.431,45	23.545,10	



# 2024 carbon footprint offsets (executed in 2025)

Each year, Ferreycorp offsets its carbon footprint, with each subsidiary covering the cost of the offsets based on the carbon footprint it generates.

This type of management prepares each subsidiary to include these costs in their budgets and to be better prepared for potential regulatory changes

Company	
Project	Proyecto REDD+ Madre de Dios Amazonia
vintage	2020

## 2023 CARBON FOOTPRINT OFFSETS PURCHASED

SUBSIDIARY	2024 CARBON FOOTPRINT						TOTAL OFFSETS	
	CAT 1 t CO2 e	CAT 2 t CO2 e	CAT 3 t CO2 e	CAT 4 t CO2 e	CAT 5 t CO2 e	TOTAL t CO2 e	t CO2 e	USD
Fargoline	1.642,06	165,50	806,26	10,85	0,00	2.624,67	2.625,00	
Ferreycorp	20,79	48,40	138,76	3,48	0,00	211,43	212,01	
Ferreyros	3.446,40	1.932,10	27.586,94	102,92	17.888,34	50.956,70	13.249,85	
Forbis Logistics	5,78	6,87	5.715,31	1,25	0,00	5.729,21	2.613,00	
Orvisa	194,12	190,50	846,73	1,70	0,00	1.233,05	1.233,68	
Unimaq	810,85	142,91	2.182,86	3,78	0,00	3.140,40	3.141,24	
Soltrak	41,90	99,37	2.989,58	1,59	0,00	3.132,44	1.318,23	
Motomaq	72,71	0,00	0,00	0,11	0,00	72,82	73,00	
Cogesa (El Salvador)	477,63	37,74	0,00	0,00	0,00	515,37	516,00	
Gentrac (Guatemala)	906,71	221,97	0,00	0,00	0,00	1.128,68	1.129,00	
Transpesa (El Salvador)	139,90	20,24	0,00	0,00	0,00	160,14	161,00	
Trex Chile	283,84	27,89	381,79	0,48	0,00	694,00	694,00	
TOTAL	8.042,69	2.893,49	40.648,23	126,16	17.888,34	69.598,91	26.966,01	