



NOVA FERROESTE

SECOND LARGEST GRAIN
AND CONTAINER EXPORT
CORRIDOR IN BRAZIL



**NOVA
FERROESTE**

LOGÍSTICA INTELIGENTE

PARANÁ



GOVERNO DO ESTADO



**NOVA
FERROESTE**

LOGÍSTICA INTELIGENTE



NEW RAILWAY

In 1885 the emperor Dom Pedro II inaugurated a railroad that crossed the Serra do Mar, connecting the coast of Paraná to the interior of the state. This construction was a historical milestone. For tourism, it allowed one of the most beautiful train rides in the world. For logistics, today, it is a 19th century railroad that no longer meets the current demand.

A new road, designed on sustainable grounds, will connect large food companies and grain growing areas to the Port of Paranaguá. More modern and efficient, the New Ferroeste will generate a revolution in three countries, increasing the competitiveness of industries and agribusiness.

THE SECOND LARGEST GRAIN AND CONTAINER EXPORT CORRIDOR IN BRAZIL.



**WITHIN A RADIUS
OF ONE THOUSAND
KILOMETERS AROUND
PARANÁ, 70% OF SOUTH
AMERICA'S GDP IS
CONCENTRATED,
WHICH MAKES THE NEW FERROESTE
A LOGISTICAL SOLUTION FOR
HUNDREDS OF COMPANIES,
ESPECIALLY IN AGRIBUSINESS, ONE
OF THE LARGEST SEGMENTS OF THE
BRAZILIAN ECONOMY.**

AGRIBUSINESS PRODUCTION

08/2022
(YEARLY ACCUMULATED)

	PARANÁ		SANTA CATARINA		MATO GROSSO DO SUL		TOTAL PRODUCTION
	NATIONAL POSITION	PRODUCTION PROP.	NATIONAL POSITION	PRODUCTION PROP.	NATIONAL POSITION	PRODUCTION PROP.	
Swine	2nd	21,2%	1st	28,6%	7th	4,5%	54%
Poultry	1st	33,7%	2nd	13,4%	7th	3,4%	50%
Beef	9th	4,3%	13th	1,7%	3rd	10,4%	16%
Corn	2nd	15,3%	10th	2,0%	3rd	10,3%	28%
Soybean	3rd	10,5%	13th	1,8%	5th	7,4%	20%
Sugar Cane	5th	5,5%	22nd	0,1%	4th	7,5%	13%

SOURCE: MINISTÉRIO DA PECUÁRIA, AGRICULTURA E ABASTECIMENTO

PARANÁ AND SANTA CATARINA EXPORT 70% OF BRAZILIAN POULTRY AND SWINE MEAT

PRODUCTION VOLUME - 2020

	BRAZIL		ARGENTINA		PARAGUAY		TOTAL
	WORLD POSITION	(MI TONS)	WORLD POSITION	(MI TONS)	WORLD POSITION	(MI TONS)	
Soybean	1st	122	3rd	49	6th	11	182
Corn	3rd	104	4th	58	-	6	168
Wheat	-	6	11th	20	-	1	27

SOURCE : FAO ([HTTPS://WWW.FAO.ORG/FAOSTAT](https://www.fao.org/faostat))

THE SUSTAINABLE LOGISTICS SOLUTION FOR THE SOUTH AND MID-WEST OF BRAZIL.

1.567 KM
LONG (248 BROWNFIELD)

628 KM

OF MANDATORY STRECH SECTION
CASCAVEL AND PARANAGUÁ

PASSES THROUGH

66 CITIES

1.304 KM

WITH ENVIRONMENTAL
LICENSE

-30%

LOWER LOGISTIC COST
IN COMPARISON WITH
THE ROAD MODAL

70%

CARGO FOR THE
EXTERNAL MARKET

ESTIMATED CAPTURE OF
38 MILLION TONS
IN THE FIRST YEAR OF OPERATION

OF THE TOTAL CAPTURED
26 MILLION TONS
ARE DESTINED FOR EXPORT



LOAD CAPTATION (IN MILLIONS OF TONS)

	YEAR 0	YEAR 60
AGRICULTURAL SOLID BULK (GSA)	29	78
Soybean	10,9	27,1
Corn	10,5	32,5
Soybean meal product	4,3	12,5
Fertilizers	1,8	2,0
Sugar	1,3	3,1
Wheat	0,3	0,4
LIQUID BULK (LB)	5	10
Oil and derivatives	4,7	8,0
Soybean oil	0,7	1,9
CONTAINER	3	9
Meat and offal	2,2	6,8
Wooden goods	0,9	1,8
Paper products	0,1	0,1
GRAND TOTAL	38	96

SOURCE: EVTEA

CONNECTION PARANAGUÁ PORT

MOST EFFICIENT PER M²

5% AVERAGE ANNUAL GROWTH

BEST PORT MANAGEMENT AWARD FOR THE THIRD CONSECUTIVE YEAR

BRAZIL'S LARGEST PORT IN FERTILIZER IMPORTS (31%)

THE PORT'S FUTURE WITH THE NOVA FERROESTE

RAILROAD SHARE

FUTURE SCENARIO

OTHER MODALS

38%

RAILROAD

62%

CURRENT SCENARIO

OTHER MODALS

80%

RAILROAD

20%

MARKETSHARE

2021

60Mton

2030

100Mton

R\$ 4 BILLION

INVESTMENT IN FUTURE PROJECTS / US\$ 0,75 BI

EAST PIER PROJECT - "MOEGÃO":
180 SIMULTANEOUS WAGONS (3X60)

EXPANSION OF THE CONTAINER YARD
CAPACITY 2.5 MILLION TEUS/YEAR

DERROCATING OF
THE PALANGANA STONE

PIER "L" PROJECT

PIER "F" PROJECT

PIER "T" PROJECT

GREEN PROJECT

**ENVIRONMENTAL IMPACT STUDY EVALUATES
PROTECTION AREAS WITH NATIVE FOREST
AND TRADITIONAL PEOPLES**

**7 PUBLIC HEARINGS WITH THE PARTICIPATION
OF MORE THAN 3 THOUSAND PEOPLE**

**PROJECT ELIGIBLE FOR
ISSUING GREEN BONDS
(CBI FRAMEWORK)**

**INTEGRATES SUSTAINABLE
MARKETS INITIATIVE**

-46%

**REDUCES
GREENHOUSE
GAS EMISSIONS**

**» PRELIMINARY ENVIRONMENTAL LICENSE ISSUED
BY IBAMA**

**» INFRASTRUCTURE DEVELOPMENT FAR FROM AMAZON
RAINFOREST**

» PROMOTES SOCIOECONOMIC DEVELOPMENT



SUSTAINABLE AGRICULTURE

Paraná is a reference in direct planting, crop-livestock-forest integration, degraded pasture



RENEWABLE ENERGY

90% of the state's energy is renewable, including hydroelectric, wind, solar and biomass



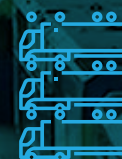
INTELLIGENT TRACK

has wide radius curves, minimal ramps and respects APPs, indigenous lands and quilombolas



COMPANIES AND INDUSTRIES

Race to Zero - Zero emissions by 2050



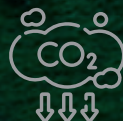
GREATER LOGISTIC EFFICIENCY OF CARGO

Optimisation of 25 billion liters of diesel per year



GREEN ASSETS

meets the Climate Bond Initiative (CBI) parameters for issuing Green Bonds



- 72 million tons of CO₂
250,000 SOCCER FIELDS



SAFER ROADS

reducing traffic and the risk of accidents



340,000 JOBS

direct and indirect promoted by the railroad



EXTENSIVE ENVIRONMENTAL COMPENSATION PROGRAMS

foreseen in CAPEX



THE MOST EFFICIENT PORT IN THE COUNTRY

Paranaguá Port





MANDATORY CAPEX

628 KM
(248 KM BROWNFIELD)
CASCAVEL - PARANAGUÁ
(UP TO 7 YEARS)

US\$ 2.2 BI

**ROLLING
STOCK**

US\$ 0.6 BI

UPSIDE PROJECT

507 KM
CASCAVEL - MARACAJU

263 KM
CASCAVEL - CHAPECÓ

106 KM
CASCAVEL - FOZ DO IGUAÇU

US\$ 4 BI

**FINANCED BY
THE ENTERPRISE'S
REVENUE**

US\$ 6.8 BI
TOTAL PROJECT INVESTMENT

IRR * 11% PER YEAR
*(UNLEVERED INTERNAL RATE OF RETURN)

BIDDING MODEL

**ONEROUS
TRANSFER
OF CONTRACT**

TERM: 99 YEARS
(RENEWABLE)

**MINIMUM GRANT FEE
US\$ 34 MILLION**

**FORESEEN AUCTION AT
BRAZILIAN STOCK EXCHANGE - 2025**



NOVA FERROESTE

LOGÍSTICA INTELIGENTE

