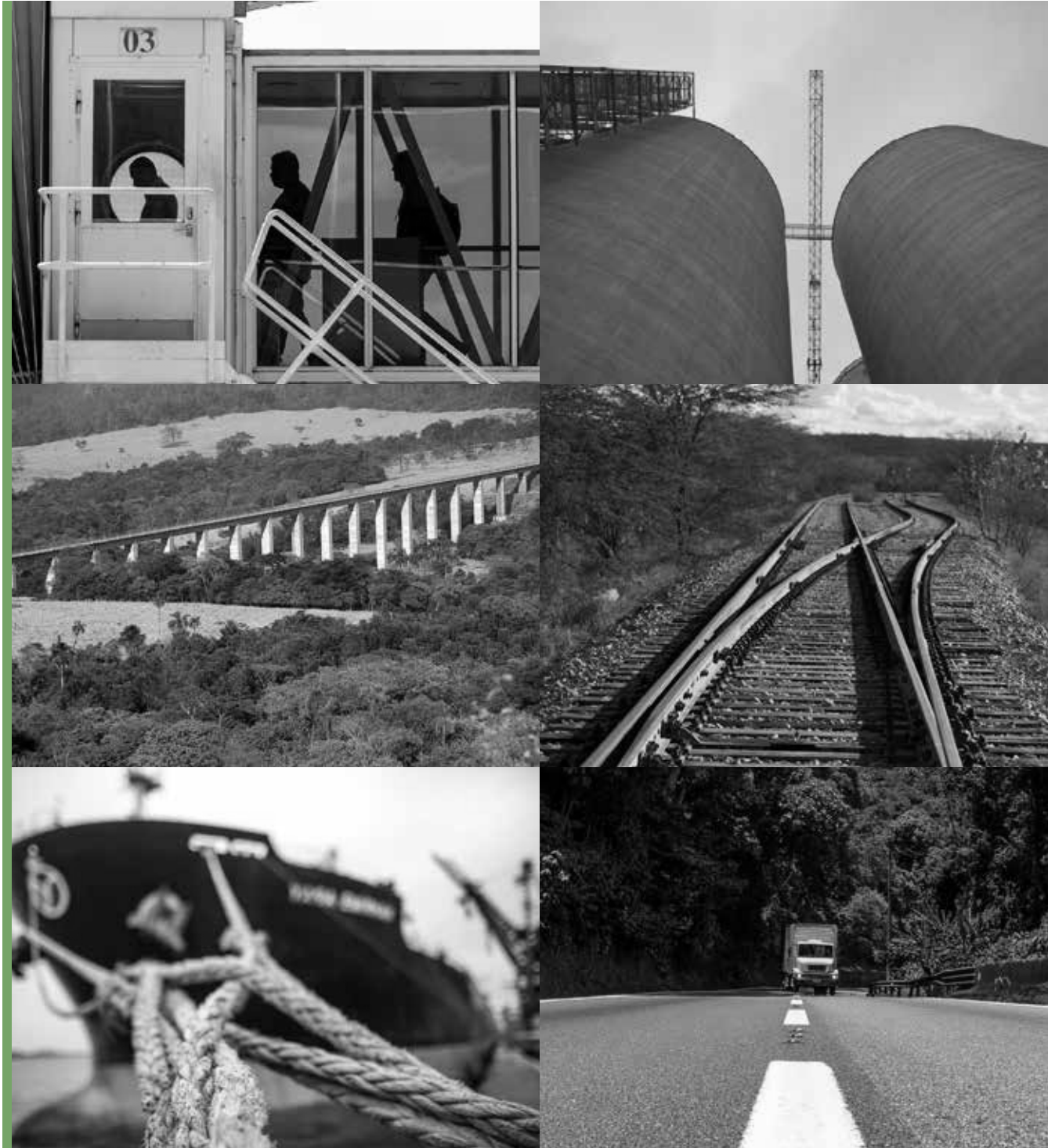


# MINISTRY OF INFRASTRUCTURE

## PARTNERSHIP PROJECTS



September 2021







**Dear investor,**

Brazil currently has one of the most significant and robust infrastructure concessions and privatizations programs aiming to attract private-sector investments across several sectors of the economy. This publication highlights all the recent Concession and Public-Private Partnership auctions. In addition, it features all the upcoming private-sector investment opportunities in ports, airports, railways, and highways.

Brazil understands the need to provide a competitive framework to address private capital concerns and objectives. Therefore, we have designed a well-structured Infrastructure Public-Private Partnership Program combined with institutional reforms that offer private-sector players a resilient program in more mature political, legal, regulatory, and financial systems. The recent successful auctions held, underline the capacity to contract massive investments with the private sector. Since 2019, the Federal Government has successfully auctioned 74 assets and authorized 99 long-term lease agreements for personal use port terminals.

The publication highlights (with links for more detailed information) the pipeline of PPPs and concession projects to be auctioned over the next few years that are unique investment opportunities for infrastructure equity and lenders. The Federal Government is structuring these auctions to comply with Brazilian laws, meet worldwide ESG/"Green" standards, and allow investors to earn adequate risk-adjusted rates of returns. In addition, Brazil aims to strategically partner with private capital to create more value in terms of efficiency, investment capacity, and agility, driving a more robust Infrastructure Equipment and minimizing logistics overall costs.

**Ministry of Infrastructure - Brazil**



# Results 2019 – 2021

**74** assets\*  
**99** Private Use Terminals (TUP)  
**BRL 73.89 billions** in investments  
**BRL 17.09 billions** in concession fee  
**1 million** jobs created\*\*

ANTÔNIO CARLOS  
 JOBIM AIRPORT,  
 RIO DE JANEIRO/RJ

## ■ PORT

29 terminal leases held:

- 3 in Cabedelo/PB (AE10, AE11 and AI01)
- 1 in Vitória/ES (VIX30)
- 5 in Belém/PA (BELO2A, BELO2B, BELO4, BELO8 and BELO9)
- 2 in Vila do Conde/PA (VDC and VDC12)
- 4 in Santos/SP (STS20, STS13A, STS14 and STS14A)
- 2 in Paranaguá/PR (PAR01 and PAR12)
- 2 in Aratu/BA (ATU12 and ATU18)
- 1 in Maceió/AL (MAC10)
- 2 in Mucuripe/CE (MUC01 and MUC02 Fishing Terminal)
- 4 in Itaquí/MA (IQI03, IQI11, IQI12, IQI13)
- 1 in Pelotas/RS (PEL01)
- 1 in Santana/AP (MCP02)
- 1 in Salvador/BA (SSD09)

Investments: **BRL 3.22 billions**

99 Private Use Terminals (TUP) / Investments: **BRL 9.73 billions**

Investments: **BRL 12.95 billions**  
 Concession fee: **BRL 1.5 billions**

## ■ AIRPORT

34 airport concessions held:

- Northeast:** Recife/PE, João Pessoa/PB and Campina Grande/PB, Maceió/AL, Aracaju/SE, and Juazeiro do Norte/CE
- Midwest (MT):** Várzea Grande (Cuiabá), Alta Floresta, Rondonópolis and Sinop
- Southeast:** Vitória/ES and Macaé/RJ
- South:** Curitiba/PR, Foz do Iguaçu/PR, Londrina/PR, Bacacheri in Curitiba/PR, Navegantes/SC, Joinville/SC, Pelotas/RS, Uruguaiana/RS and Bagé/RS
- North I:** Manaus/AM, Tabatinga/AM, Tefé/AM, Porto Velho/RO, Rio Branco/AC, Cruzeiro do Sul/AC and Boa Vista/RR
- Central:** Goiânia/GO, Palmas/TO, São Luís/MA, Imperatriz/MA, Teresina/PI and Petrolina/PE

Investments: **BRL 9.62 billions**  
 Concession fee: **BRL 5.67 billions**

\*CONCESSIONS, RENEWALS, LEASES, CROSS INVESTMENT AND ONEROUS ASSIGNMENTS.

\*\*DIRECT, INDIRECT AND INCOME-EFFECT THROUGHOUT THE CONTRACTS



## ■ RAILWAYS

6 Railways: 2 concessions, 3 renewals and 1 cross investment:

North-South Railway Concession (FNS)

Renewal Rumo Malha Paulista (RMP)

Renewal of the Carajás Railway (EFC)

Renewal of the Vitória-Minas Railway (EFVM) + FICO

West-East Railway Concession (FIOL I)

Investments: **BRL 28.82 billions**  
Concession fee: **BRL 9.6 billions**



BR-101/AL/SE



NORTE-SUL RAILWAY

## ■ HIGHWAYS

5 highway concessions held:

BR-101/290/386/448/RS (RIS)

BR-364/365/GO/MG

BR-101/SC

BR-153/080/414/GO/TO

BR-163/230/MT/PA

Investments: **BRL 22.5 billions**  
Concession fee: **BRL 320 millions**

# RESULTS 2021

**33** assets\*  
**29** Private Use Terminals (TUP)  
**BRL 21.54 billions** in investments  
**BRL 3.91 billions** in concession fees  
**351,7 thousand** expected jobs\*\*

PARANAGUÁ PORT,  
PARANAGUÁ/PR

## AIRPORT

PROJECT	CONCESSION FEE	EARNER
South block(9)	2.128 bi	CCR
North block (7)	0.42 bi	Vinci
Central block (6)	0.754 bi	CCR
Total: 22 airports		

Investments: **BRL 6.13 billions**

Total concession fee: **BRL 3.3 billions**

## PORT

PROJECT	CONCESSION FEE	EARNER
IQI03	BRL 61.3 MI	Santos Brasil
IQI11	BRL56 MI	Santos Brasil
IQI12	BRL 40 MI	Santos Brasil
IQI13	BRL 59 MI	Tequimar
PEL01	BRL 0.01 MI	CMPC
MCP02	BRL 5.85MI	Caramuru
SSD09	BRL 0.032 MI	Intermarítima
MUC01	BRL 1MI	TERGRAN

Total: **8 leases**

Investments: **BRL 730.09 millions**

Total concession fee: **BRL 255.16 millions**

29 Authorized Private Use Terminals (TUP) | Investments: **BRL 1.59 billion**

\*CONCESSIONS AND LEASES.

\*\*DIRECT, INDIRECT AND INCOME-EFFECT THROUGHOUT THE CONTRACTS

## ■ RAILWAYS

PROJECT	CONCESSION FEE	EARNER
FIOL Total: 1 concession	32.7 millions	Bamin

Investments: **BRL 3.3 billions**

Concession fee: **BRL 32.7 millions**

## ■ HIGHWAYS

PROJECT	CONCESSION FEE	EARNER
BR-153/080/414/GO/TO BR-163/230/MT/PA	320 millions ---	Eco 153 Via Brazil

Total: **2 concessions**

Investments: **BRL 9.79 billions**

Concession fee: **BRL 320 millions**

GOVERNADOR ALUÍZIO ALVES AIRPORT,  
NATAL/RN

# Transactions Scheduled for Remainder of 2021

Total: **19 assets**

**BRL 49 billions** in investments

**BRL 2.78 billions** in concession fee, est.

## ■ AIRPORTS

Re-bidding - São Gonçalo  
do Amarante Airport/RN  
(ASGA)

Total: **1 airport**

Investments: **BRL R\$ 308.4 millions**

Concession fee: **BRL 223.3 millions**

## ■ PORTS

Project: **STS08 | STS08A**

Auction: 11/19/21

Project: **TERSAB, MAC13,  
MUC59, ITG03, IMB05, AE14  
e POA01**

Auction: 11/05/21

Project: **PAR32, PAR50,  
MAC11, MAC12**

Public Notice  
forecast: Q4 2021

Auction forecast: Q4 2021

Project: **CODESA**

Public Notice  
forecast: Q4 2021

Auction forecast: Q4 2021

Total: **1 port and 13 leases**

Investments: **BRL 2.91 bi**, EST.

Concession fee: **BRL 480 mi**, EST.

## ■ RAILWAYS

Renewal MRS

Total: **1 renewal**

Investments: **BRL 16.77 billions**

Concession fee: **BRL 2.07 billions**

## ■ HIGHWAYS

Project:

**BR-116/101/SP/RJ (Dutra)**

Auction: 10/28/2021

Project:

**BR-381/262/MG/ES**

Auction: 11/25/2021

Project:

**BR-116/493/465  
(Rio-Valadares)**

Public Notice forecast: Q4 2021

Auction forecast: Q1 2022

Total: **3 concessions**

Investments: **BRL 29 billions**

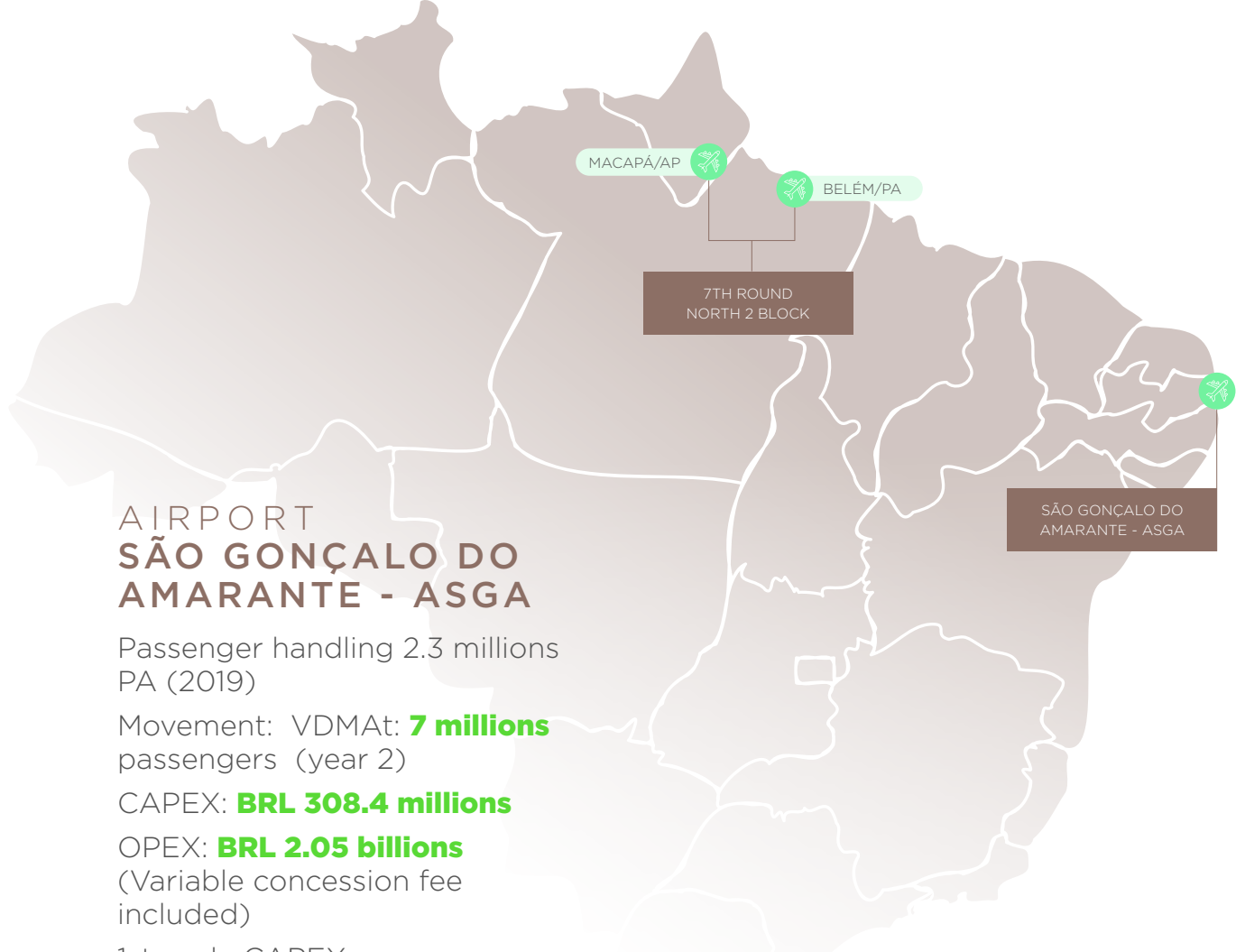


TORRE DE CONTROLE. CONGONHAS/SP

# Airports

## Project Portfolio

STUDIES	PUBLIC HEARING	TCU (FEDERAL COURT OF ACCOUNTS)	PUBLIC NOTICE	PUBLIC AUCTION	CONTRACT
São Gonçalo do Amarante/RN			4Q 2021	4Q 2021	1Q 2022
Viracopos/SP			1Q 2022	2Q 2022	2Q 2022
7th round - North 2 Block (2)			1Q 2022	2Q 2022	3Q 2022
7th round - RJ-MG (5)			1Q 2022	2Q 2022	3Q 2022
7th round - SP-MS-PA (9)			1Q 2022	2Q 2022	3Q 2022



## AIRPORT SÃO GONÇALO DO AMARANTE - ASGA

Passenger handling 2.3 millions  
PA (2019)

Movement: VDMAt: **7 millions**  
passengers (year 2)

CAPEX: **BRL 308.4 millions**

OPEX: **BRL 2.05 billions**  
(Variable concession fee  
included)

1st cycle CAPEX:  
**BRL 71.41 millions** – Years 1 to  
3 / 2nd Cycle Capex: R\$ 54.11  
millions – Years 9 to 11

Concession term: 30 years

WACC: **7.23%**

Auction criteria:

**Highest concession fee**

Estimated concession fee (up  
front): **BRL 223.3 millions**

Jobs created throughout the  
concession contract: estimated  
4,545 (direct, indirect and  
income effect)

**Importance:** Auctioned in 2011,  
São Gonçalo do Amarante  
Airport is the largest cargo  
exporter in Brazil's northeast region  
and was considered the country's  
second best in the category that  
receives up to 5 million  
passengers in the satisfaction  
survey promoted by Brazil's  
National Civil Aviation Secretary.

MACAPÁ/AP

BELÉM/PA

7TH ROUND  
NORTH 2 BLOCK

SÃO GONÇALO DO  
AMARANTE - ASGA

## AIRPORT 7TH ROUND NORTH 2 BLOCK

**Brownfield** projects

Movement: **5.3 millions**  
passengers

Auction criteria:

**Highest concession fee**

Estimated concession fee:  
under study

1st cycle CAPEX: **BRL 546.80  
millions** – Years 1 to 3

Expected Investment:

**BRL 868.52 millions**

OPEX: **BRL 3,304.85 millions**

WACC: 8.35%

Contract term: 30 years

Jobs created throughout the  
concession contract: estimated  
23,608 (direct, indirect and  
income effect)

## AIRPORT VIRACOPOS/SP

Passenger handling **10.6 millions PA(2019)**

CAPEX: **BRL 4.25 billions**

OPEX: **BRL 10.8 billions**

1st cycle CAPEX: **R\$ 0.5 billion**  
- Years 1 to 3 / 2nd Cycle Capex:  
**BRL 1.89 billion** - Year 18 to 21

Concession term: 30 years

WACC: 7.84%

Auction criteria:

**Highest concession fee**

Estimated concession fee:  
**BRL 4.35 billions**

Jobs created throughout the concession contract: **estimated 20,902** (direct, indirect and income effect).

**Importance:** Auctioned in 2012, Viracopos International Airport (SBKP) is the second most important in Brazil's cargo sector (in volume). The Viracopos Airport is essential to the country's economic dynamics, as an inducer of development in Campinas (SP) and region, due to the logistical support related to industrial operations that the airport offers as a part of the competition strategies of large companies installed in Brazil, especially to those that operate in international trade.

## AIRPORT 7TH ROUND RJ-MG BLOCK

**Brownfield** projects

Movement:  
**10.7 millions** passengers

Auction criteria:

**Highest concession fee**

Estimated concession fee:  
**BRL 355.2 millions**

1st cycle CAPEX:  
**BRL 1.76 billions** - Years 1 to 3

Expected Investment:  
**BRL 2.38 billions**

OPEX: **BRL 8,713.09 millions**

WACC: 8.74%

Contract term: 30 Years

Jobs created throughout the concession contract: **estimated 36,887** (direct, indirect and income effect)

## AIRPORT 7TH ROUND SP-MS-PA BLOCK

**Brownfield** projects

Movement:

**24.4 millions passengers**

Auction criteria:

**Highest concession fee**

Estimated concession fee:

**BRL 1.7 millions**

Expected Investment:

**BRL 5.3 bilions**

OPEX: **BRL 3,685 millions**

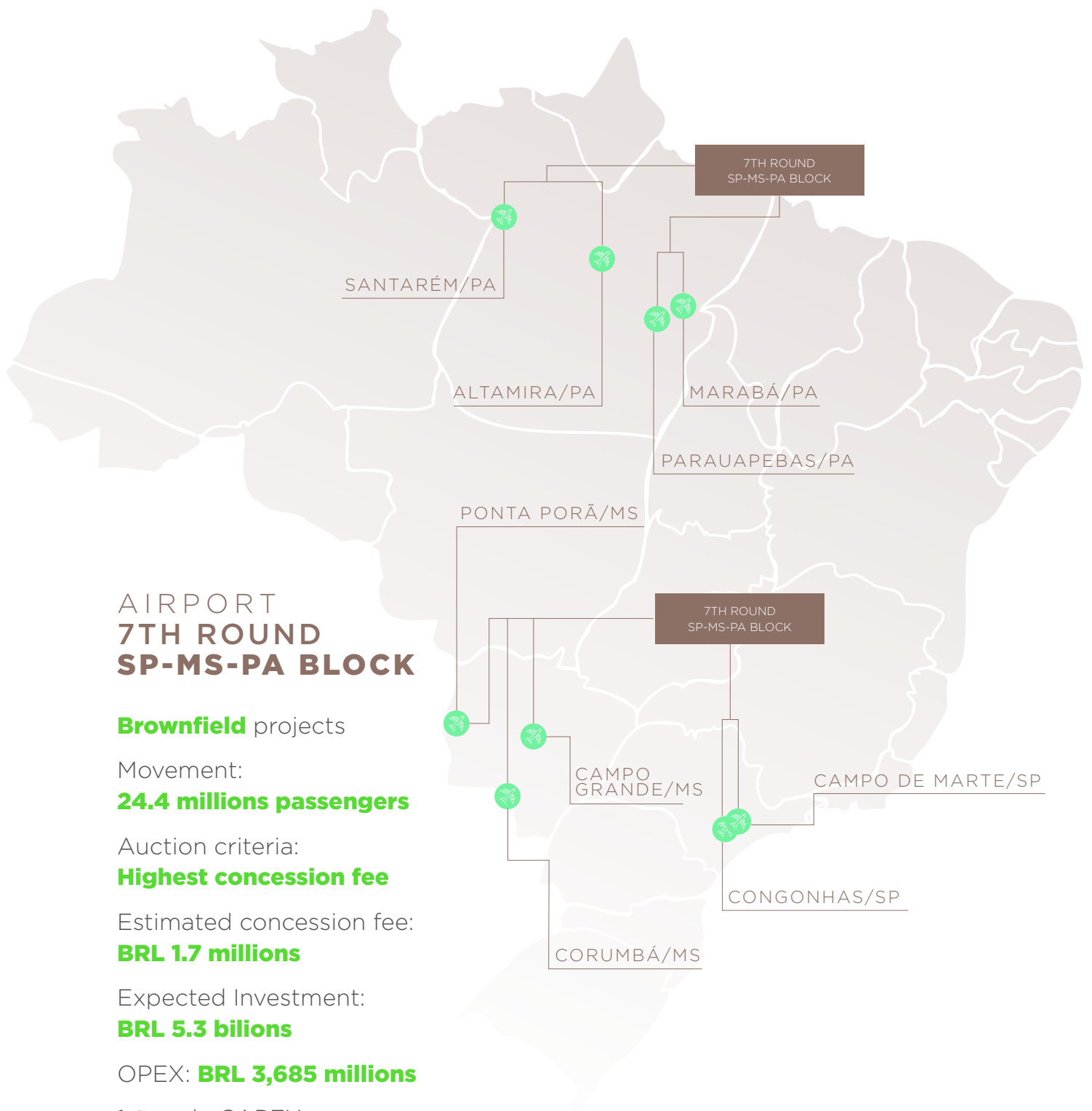
1st cycle CAPEX:

**BRL 3.99 bilions** - Years 1 to 3

WACC: under study

Contract term: 30 years

Jobs created throughout the concession contract: estimated 69,348 (direct, indirect and income effect)





HUMBERTO GHIZZO BORTOLUZZI,  
JAGUARUNA/SC



VITÓRIA PORT, VITÓRIA/ES

# Ports

## Partnership Projects

STUDIES	PUBLIC HEARING	TCU (FEDERAL COURT OF ACCOUNTS)	PUBLIC NOTICE	PUBLIC AUCTION	CONTRACT
Port of Areia Branca/RN (TERSAB)				11/05/2021	1Q 2022
Port of Maceió/AL (MAC13)				11/05/2021	1Q 2022
Port of Santos/SP (STS08/08A)				11/19/2021	1Q 2022
Port of Itaguaí/RJ (ITGO3)				11/05/2021	1Q 2022
Port of Cabedelo/PB (AE14)				11/05/2021	1Q 2022
Port of Mucuripe/CE (MUC59)				11/05/2021	1Q 2022
Port of Imbituba/SC (IMB05)				11/05/2021	1Q 2022
Port of Porto Alegre/RS (POA01)				11/05/2021	1Q 2022
Port of Maceió/AL (MAC12)				4Q 2021	1Q 2022
Port of Maceió/AL (MAC11)			4Q 2021	4Q 2021	1Q 2022
Port of Paranaguá/PR (PAR32)			4Q 2021	4Q 2021	1Q 2022
Port of Paranaguá/PR (PAR50)			4Q 2021	4Q 2021	1Q 2022
Port of Suape/PE (SUA07)			4Q 2021	4Q 2021	2Q 2022
Port of Vila do Conde/PA(VDC10/10A)				1Q 2022	2Q 2022
Port of Santos/SP (STS11)			4Q 2021	4Q 2021	2Q 2022
Port of Santos (STS53)			2Q 2022	3Q 2022	4Q 2022
Port of Santos (STS10)			1Q 2022	2Q 2022	3Q 2022
CODESA/ES Privatization			4Q 2021	4Q 2021	1Q 2022
Port São Sebastião/SP Concession				2Q 2022	3Q 2022
Port of Itajaí/SC Concession			2Q 2022	3Q 2022	4Q 2022
Santos Organized Port Privatization				4Q 2022	2Q 2023
Organized Ports of Salvador and CODEBA privatization					4Q 2022

## PORTS - TERSAB: LEASE OF TERMINAL SALINEIRO OF AREIA BRANCA/RN

**Brownfield** Project

Type of terminal:

**Cargo - Solid mineral bulk**

Expected Investment:

**BRL 164,110,000.00**

Fixed lease amount: **BRL 365,700.00**

Variable lease amount: **BRL 1.78/t**

Terminal Area: **35,114 m<sup>2</sup>**

Static capacity: **150,000t**

Auction criteria:

**Highest concession fee**

Lease Term: 25 years

IRR: 9.38%

Jobs created throughout the lease contract:  
estimated 2,526 (direct, indirect and income effect)



**Importance:** Brazil is self-sufficient in salt production, producing 7.5 million tons in 2014, a mark that places the country as the tenth largest producer in the world. Of this amount, 5.7 million tons, originated precisely in Rio Grande do Norte.

## PORTS - MAC13: LEASE OF TERMINAL FOR HANDLING AND STORAGE OF SOLID VEGETABLE (SUGAR) IN THE PORT OF MACEIÓ / AL

**Brownfield** Project

Type of terminal:

**Cargo - Solid Vegetable (sugar)**

Expected Investment:

**BRL 57,864,000.00**

Fixed lease amount:

**BRL 395,300.00**

Variable lease amount: **BRL 5.15/t**

Terminal Area: **71,262 m<sup>2</sup>**

Static capacity: **180,000/t**

Auction criteria:

**Highest concession fee**

Lease Term: 25 years

IRR: 9.38%

Jobs created throughout the lease contract:  
estimated 842 (direct, indirect and income effect)



**Importance:** Brazilian sugar, obtained from sugarcane processing, is one of the most consumed and traded agricultural commodities in the world. Sugar has a market concentrated within a few major exporters, of which Brazil is the leader worldwide in its production and exportation. According to the Master Plan, in 2017, approximately one million tons of sugar were handled at the Port of Maceió. The number represents 37% of the complex's total handling. In the current scenario, terminal MAC13 is the only one to operate this type of cargo in the Port of Maceió Complex, with 100% of the macro demand.

## PORTS - STS08: LEASE OF LIQUID BULK TERMINAL ON PORT OF SANTOS/SP

**Brownfield** Project

Type of terminal:

**Cargo - Combustible liquid bulk**

Expected Investment:

**BRL 260,632,000.00**

Fixed lease amount: **BRL 1,498,000.00**

Variable lease amount: **R\$ 9/t**

Terminal Area: **168,324 m<sup>2</sup>**

Static capacity: **164,245 m<sup>3</sup> (131.177 t)**

Auction criteria:

**Highest concession fee**

Lease Term: 25 years

IRR: 9.38%

Jobs created throughout the lease contract:

estimated 4,057 (direct, indirect and income effect)

**Importance:** The total expected demand for oil products for the horizon from 2016 to 2060 has an average growth rate of around 2.03%. In the specific case of LPG (liquefied petroleum gas), the Country faces a deficit in infrastructure for receiving imports that represented 30% of national consumption, with 40% of these imports being received by the Santos Port complex. In this sense, the STS08 and STS08A Terminals act as regulators of the Petrobras derivatives production stock.



## PORTS - STS08A: LEASE OF LIQUID BULK TERMINAL ON PORT OF SANTOS/SP

**Brownfield** Project

Type of terminal:

**Cargo - Combustible liquid bulk**

Expected Investment:

**BRL 678,326,000.00**

Fixed lease amount:

**BRL 4,304,300.00**

Variable lease amount: **BRL 9,28/t**

Terminal Area: **297,349 m<sup>2</sup>**

Static capacity: **337,246 m<sup>3</sup>**

Auction criteria: **Highest concession fee**

Lease Term: 25 years

IRR: 9.38%

Jobs created throughout the lease contract:

estimated 12,111 (direct, indirect and income effect)

**Importance:** The total expected demand for oil products for the horizon from 2016 to 2060 has an average growth rate of around 2.03%. In the specific case of LPG (liquefied petroleum gas), the Country faces a deficit in infrastructure for receiving imports that represented 30% of national consumption, with 40% of these imports being received by the Santos Port complex. In this sense, the STS08 and STS08A Terminals act as regulators of the Petrobras derivatives production stock.



## PORTS - ITG03: LEASE OF TERMINAL FOR STORAGE OF SOLID BULK CARGOES AT PORT OF ITAGUAÍ/RJ

**Brownfield** Project

Type of terminal:

**Cargo - Solid Bulk**

Expected Investment:

**BRL 71,267,028.12**

Fixed lease amount:

**BRL 643**

Variable lease amount:

**BRL 479,936.28**

Terminal Area: **22,564m<sup>2</sup>**

Static capacity: **30,630t**

Auction criteria: **Highest concession fee**

Lease Term: 10 years

IRR: n/a

Jobs created throughout the lease contract:

estimated 10,477 (direct, indirect and income effect)



**Importance:** In the scenario foreseen for 2060, dry bulk cargo will continue to be the main type of cargo handled, especially iron ore, with a relative participation of 83.7%. It is estimated an average growth rate of 0.9% per year between 2018 and 2060, with China as its main destination.

## PORTS - AE14: LEASE OF TERMINAL FOR STORAGE OF GENERAL CARGO AT CABEDELO/PB

**Brownfield** Project

Type of terminal:

**General Cargo - Granite**

Expected Investment:

**BRL 1,724,339.61**

Fixed lease amount:

**BRL 18,743**

Terminal Area: **4,881 m<sup>2</sup>**

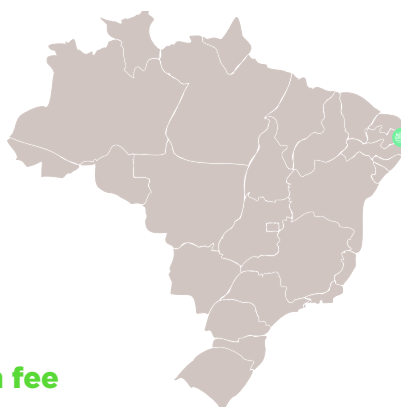
Static capacity: **4,590t**

Auction criteria: **Highest concession fee**

Lease Term: 10 years

Jobs created throughout the lease contract:

estimated 27 (direct, indirect and income effect)



**Importance:** Granite is an relevant import commodity for the Paraíba state, having a consolidated demand for the cargo.

## PORTS - MUC59: LEASE OF TERMINAL FOR HANDLING AND STORAGE OF LIQUID BULK AT PORT OF MUCURIPE/CE

**Greenfield** Project

Type of terminal:

**Cargo - liquid bulk (fuels)**

Expected Investment:

**BRL 120,749,000.00**

Fixed lease amount: **BRL 97,000.00**

Variable lease amount: **R\$ 2.7/t**

Terminal Area: **25,628m<sup>2</sup>**

Static capacity: **51,377 m<sup>3</sup>**

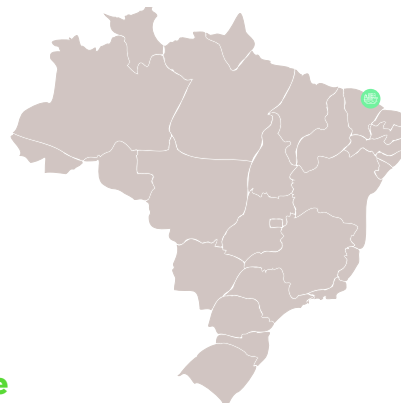
Auction criteria: **Highest concession fee**

Lease Term: 14 years

IRR: 9.38%

Jobs created throughout the lease contract:

estimated 1,770 (direct, indirect and income effect)



**Importance:** The Terminal will be dedicated to the supply of fuels in the metropolitan region of Fortaleza, dealing with products essential to the local population and industry.

## PORTOS - IMB05: LEASE OF TERMINAL FOR STORAGE OF LIQUID BULK AT PORT OF IMBITUBA/SC

**Brownfield** Project

Type of terminal: **Cargo - liquid bulk**

Expected Investment:

**BRL 25,053,571.31**

Fixed lease amount: **BRL 15,580.95**

Variable lease amount: n/a

Terminal Area: **7,455m<sup>2</sup>**

Static capacity: **9,723 m<sup>3</sup> (14,973 t)**

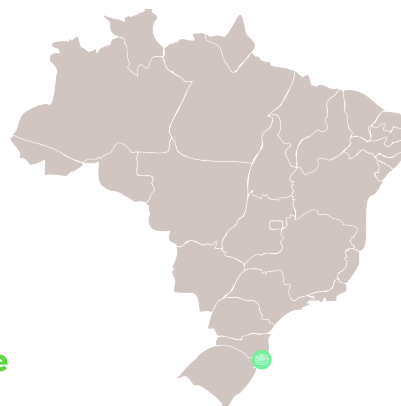
Auction criteria: **Highest concession fee**

Lease Term: 10 years

IRR: n/a

Jobs created throughout the lease contract:

estimated 383 (direct, indirect and income effect)



**Importance:** In 2016, the Imbituba Port Complex handled 139,000 tons of combustible or chemical liquid bulks, mainly coming from Maceió-AL to supply companies located throughout the southern region. There is no other similar terminal in the hinterland of the Port of Imbituba to meet the demand for the product.

## PORTS - POA01: LEASE OF TERMINAL FOR HANDLING AND STORAGE OF VEGETABLE BULK AT PORT OF PORTO ALEGRE/RS

**Brownfield** Project

Type of terminal:

**Cargo - Vegetable Bulk**

Expected Investment:

**BRL 41,225,879.36**

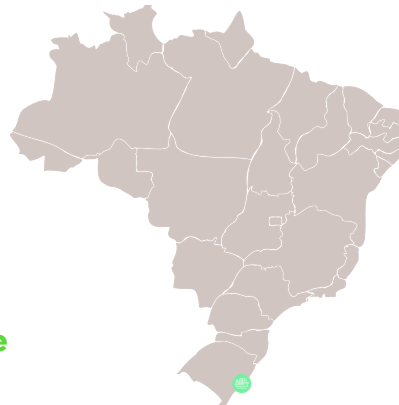
Fixed lease amount: **BRL 79,120.00**

Terminal Area: **21,500m<sup>2</sup>**

Static capacity: **24,585m<sup>3</sup> (18,750t)**

Auction criteria: **Highest concession fee**

Lease Term: 10 years



Jobs created throughout the lease contract:

estimated 609 (direct, indirect and income effect)

**Importance:** It is estimated that Terminal POA01 will attend the local market demand, from Rio Grande do Sul industries in the port's influence region, for wheat and barley, performing the operation of receiving by waterway and shipping by road. And, also, to perform the operation of receiving soy and corn by road, for storage and further shipping it by waterway.

## PORTS - MAC12: LEASE OF TERMINAL FOR HANDLING AND STORAGE OF LIQUID BULK IN THE PORT OF MACEIÓ/AL

**Brownfield** Project

Type of terminal:

**Cargo - Liquid Bulk**

Expected Investment:

**BRL 9,274,000.00**

Fixed lease amount: **BRL 21,400.00**

Variable lease amount: **BRL 3.30**

Terminal Area: **13,674 m<sup>2</sup>**

Static capacity: **14,207 m<sup>3</sup>**

Auction criteria: **Highest concession fee**

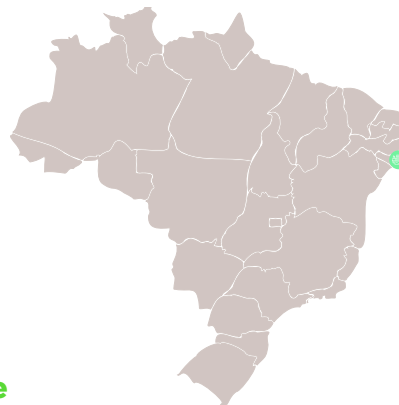
Lease Term: 25 years

IRR: 9.38%

Jobs created throughout the lease contract:

estimated 133 (direct, indirect and income effect)

**Importance:** This Terminal is focused in the transportation and storage of fuels. Liquid bulk accounted for 55% of the volume in 2017, when around 300.000 tons of oil products were handled, with the S-500 diesel being the main product, ethanol was responsible for handling 220.000 tons, and petroleum from onshore wells located in the state of Alagoas handled 163.000 tons through coastal shipping.



## PORTS - MAC11: LEASE OF TERMINAL FOR HANDLING AND STORAGE OF LIQUID BULK IN THE PORT OF MACEIÓ/AL

**Brownfield** Project

Type of terminal: **Cargo - Liquid Bulk**

Expected Investment:

**BRL R\$ 219,131,000.00**

Fixed lease amount: **BRL 162,400.00**

Variable lease amount: **BRL R\$ 4.34**

Terminal Area: **78,140 m<sup>2</sup>**

Static capacity: **88,042m<sup>3</sup>**

Auction criteria: **Highest concession fee**

Lease Term: 25 years

IRR: 9.38%

Jobs created throughout the lease contract:  
estimated 3,231 (direct, indirect and income effect)



**Importance:** This Terminal is focused in the transportation and storage of fuels. Liquid bulk accounted for 55% of the volume in 2017, when around 300.000 tons of oil products were handled, with the S-500 diesel being the main product, ethanol was responsible for handling 220.000 tons, and petroleum from onshore wells located in the state of Alagoas handled 163.000 tons through coastal shipping.

## PORTS - PAR32: LEASE OF GENERAL CARGO HANDLING TERMINAL IN THE PORT OF PARANAGUÁ/PR

**Brownfield** Project

Type of terminal: **General Cargo - Sugar**

Expected Investment:

**BRL 28,542,000.00**

Fixed lease amount: **BRL 51,940.00**

Variable lease amount: **BRL 3.46**

Terminal Area: **6,651 m<sup>2</sup>**

Static capacity: **12,000t**

Auction criteria: **Highest concession fee**

Lease Term: 10 years

IRR: 9.38%

Jobs created throughout the lease contract:  
estimated 413 (direct, indirect and income effect)



**Importance:** Brazil is the World leader in production and export of sugar, obtained from the processing of sugarcane. Internally, in 2015 the Port of Santos stopped handling bagged sugar, making the Paranaguá-Antonina Complex the natural destination of this cargo, being extremely important in exporting to countries that do not have refineries or whose ports do not have modern facilities for receiving container ships.

## PORTS - PAR50: LEASE OF TERMINAL FOR HANDLING AND STORAGE OF LIQUID BULK (FUELS) IN THE PORT OF PARANAGUÁ/PR

**Brownfield** Project

Type of terminal:

**Cargo - Combustible liquid bulk**

Expected Investment:

**BRL 338,192,000.00**

Fixed lease amount: **BRL 253,440.00**

Variable lease amount: **BRL 4.11**

Terminal Area: **85,392m<sup>2</sup>**

Static capacity: **119.710 m<sup>3</sup> (65.602 t)**

Auction criteria: **Highest concession fee**

Lease Term: 25 years

IRR: 9.38%

Jobs created throughout the lease contract:  
estimated 5,175 (direct, indirect and income effect)



**Importance:** In 2016, a total of 5.1 million tons of oil products, chemicals, LPG and ethanol were handled. For oil products, which in 2016 handled a volume of 3.9 million tons, the projected demand is expected to increase, reaching 7.2 million. In chemical products, the forecast shows growth of around 1.1% per year, while to ethanol the forecast indicate a growth rate of 0.9%, expected to reach 185.000 tons in 2060, and to vegetable oils the total demand presents an average annual growth of 0.9%.

## PORTS - SUA07: LEASE OF TERMINAL HANDLING AND STORAGE OF MINERAL BULK AND GENERAL CARGO IN THE PORT OF SUAPE/PE

**Brownfield** Project

Type of terminal:

**Cargo - mineral bulk**

Expected Investment:

**BRL 61,396,000.00**

Fixed lease amount: **BRL 289,430.00**

Variable lease amount: **BRL 5.86/t**

Terminal Area: **75,542m<sup>2</sup>**

Static capacity: **12,000t(13.333m<sup>3</sup>)**

Auction criteria: **Highest concession fee**

Lease Term: 25 years

IRR: 9.38%

Jobs created throughout the lease contract:  
estimated 9,001 (direct, indirect and income effect)



**Importance:** The project is classified as a Miscellaneous Products Load and Unload Terminal category. Its main activity is the sugar storage operation at the sugar terminal in quay 05, located in the internal area of the Port of Suape Complex.

## PORTS - VDC10: LEASE OF TERMINAL FOR HANDLING AND STORAGE OF MINERAL BULK AT THE PORT OF VILA DO CONDE / PA

**Brownfield** Project

Type of terminal:

**Cargo - Mineral Bulk** (ALUMINA, HYDRATE)

Expected Investment:

**BRL 422,626,000.00**

Fixed lease amount: **BRL 4,482.09**

Variable lease amount: **BRL 4.93/t**

Terminal Area: **98,837 m<sup>2</sup>**

Static capacity: **185,000t**

Auction criteria: **Highest concession fee**

Lease Term: 25 years

IRR: 9.38%

Jobs created throughout the lease contract:

estimated 8,425 (direct, indirect and income effect)



**Importance:** Alumina in Vila do Conde were of 4,862,684 t in 2011, which makes it the second most transported cargo in this Port. It also records significant numbers for liquid bulk, mainly caustic soda and fuels, which handled 2,119,162 t that year. At that time, the need to build a new berth for liquid bulk was also alerted, as the projections indicated the imminent overcoming of the capacity to handle demand, so that the lease should supply a deficiency in the port structure.

## PORTS - VDC10A: LEASE OF TERMINAL FOR HANDLING AND STORAGE OF LIQUID BULK AT THE PORT OF VILA DO CONDE / PA

**Brownfield** Project

Type of terminal:

**Cargo - Liquid Bulk**

Expected Investment:

**BRL R\$ 148,751,000.00**

Fixed lease amount:

**BRL R\$ 2,400,800.00**

Variable lease amount: **R\$ 22.39/t**

Terminal Area: **90,190 m<sup>2</sup>**

Static capacity: **137,000t**

Auction criteria: **Highest concession fee**

Lease Term: 25 years

IRR: 9.38%



**Importance:** Caustic soda is a widely used product in the industry, mainly as a chemical base in the manufacture of paper, fabrics, detergents, food, and biodiesel. In the area of influence of the port, there is a great demand for liquid bulk due to the industries that make up Para's alumina and aluminum cycle.

## PORTS - STS11: LEASING OF SOLID VEGETABLE BULK HANDLING AND STORAGE TERMINAL AT THE PORT OF SANTOS/SP

**Brownfield** Project

Type of terminal:

**Cargo - Solid vegetable bulk**

Expected Investment:

**BRL 758,159,000.00**

Fixed lease amount:

**BRL 3,786,400.00**

Variable lease amount:

**BRL 5,67/t**

Terminal Area: **98,159 m<sup>2</sup>**

Static capacity: **: 490,000t**

Auction criteria: **Highest concession fee**

Lease Term: 25 years

IRR: 9,38%

Jobs created throughout the lease contract:

estimated 10,610 (direct, indirect and income effect)

**Importance:** Its handling is represented mainly by grain exports (soy, corn, and soy bran) and sugar, which in 2018 totaled 15.5, 13.6, 11.6, and 8.9 million tons, respectively, at the Port of Santos.



## PORTS - STS53: LEASE OF TERMINAL FOR STORAGE OF MINERAL BULK AT PORT OF SANTOS/SP

**Brownfield** Project

Type of terminal: **Cargo - Mineral Bulk**

Expected Investment:

**BRL 658,838,000.00**

Fixed lease amount:

**BRL 1,417,800.00**

Variable lease amount: **6.58/t**

Terminal Area: **87,981 m<sup>2</sup>**

Static capacity: **277,947t**

Auction criteria: **Highest concession fee**

Lease Term: 25 years

IRR: 9.38%

Jobs created throughout the lease contract:

estimated 9,708 (direct, indirect and income effect)

**Importance:** The STS53 leasing area will be used for storage and port handling of bulk cargoes, by the long course and cabotage shipping types, in the unloading direction. The Terminal will have road and rail connections to the Metropolitan Region of Baixada Santista. The venture will be executed on a site with existing structures, which can be demolished or renovated and can be used by the future tenant in their current state of conservation.



## PORTS - STS10: LEASE OF CONTAINERIZED CARGO HANDLING AND STORAGE AT PORT OF SANTOS/SP

**Brownfield** Project

Type of terminal:

**Containerized Cargo**

Expected Investment:

**BRL 2,224,020,000.00**

Fixed lease amount:

**BRL 3,183,000.00**

Variable lease amount: **BRL 38/TEU**

Terminal Area: **463,843m<sup>2</sup>**

Static capacity: **47,547 TEUs**

Auction criteria: **Highest concession fee**

Lease Term: 35 years

IRR: 9.38%

Jobs created throughout the lease contract:

estimated 33,990 (direct, indirect and income effect)

**Importance:** 34% of cargo handled at the Santos Port Complex is in containers, equivalent to 3.9 million TEUs in 2017, making the port responsible for handling 39% of the country's containerized cargo.



## PORTS PORT OF SÃO SEBASTIÃO/SP CONCESSION

**Brownfield** Project

Type of terminal: under study

Expected Investment: **BRL 23 millions**

Fixed lease amount: under study

Variable lease amount: under study

Terminal Area: under study

Static capacity: under study

Auction criteria: **Highest concession fee**

Concession term: 35 years

IRR: 9.38%

Jobs created throughout the lease contract:

estimated 1,357 (direct, indirect and income effect)

**Importance:** With a privileged location on the north coast of the state of São Paulo, just a few kilometers from the most populous city in the southern hemisphere, the port of São Sebastião has considerable relevance for the local economy. Its mooring infrastructure consists of a pier with 5 berths, with all major cargo being handled through Berth 101. The other four berths have smaller docks, operating mostly general cargo. The Public Port operates different cargoes, such as Roll-on / Roll-off (RO-RO), bulk and general cargo, and its facilities are divided into various types of storage structures, including courtyards, warehouses and silos.



## PORTS

### PORT OF ITAJAÍ/SC CONCESSION

#### **Brownfield** Project

Type of terminal: under study

Expected Investment:

**BRL 2.8 billions**

Fixed lease amount: under study

Variable lease amount: under study

Terminal Area: under study

Static capacity: under study

Auction criteria: under study

Concession term: 35 years

IRR: under study

Jobs created throughout the lease contract:  
estimated 41,314 (direct, indirect and income effect)

**Importance:** Being strategically located in one of the main road junctions in the southern region of the country, close to highways BR 101 and BR 470, Itajaí is the second busiest Brazilian port in terms of container traffic, and one of the 120 largest ports in the world.



## PORTS

### COMPANHIA DOCAS OF ESPÍRITO SANTO (CODESA) PRIVATIZATION

#### **Brownfield** Project

Type of terminal: under study

Expected Investment:

**BRL 783 millions**

Fixed lease amount:

**BRL 31 millions**

Auction criteria: **Highest concession fee**

Concession term: 35 years

TIR: 9.2%

Variable rental Value: 7.5% of the gross revenue earned in the previous year

**Importance:** The Complex consists of the organized ports of Vitória and Barra do Riacho, managed by the Docas do Espírito Santo Company (Codesa), which is linked to the Ministry of Infrastructure. The Vitória Organized Port port facilities are in the municipalities of Vitória / ES and Vila Velha / ES, have 13 berths, 4 of which are leased, and have storage facilities for solid, liquid, containers and general cargo.



## PORTS

### SANTOS ORGANIZED PORT PRIVATIZATION

#### **Brownfield** Project

Type of terminal: under study

Expected Investment: **BRL 1.5 billions**

Fixed lease amount: under study

Variable lease amount: under study

Terminal Area: under study

Static capacity: under study

Auction criteria: **Highest concession fee**

Concession term: 35 years

IRR: under study



**Importance:** Waterway access by 25 km long channel, capable of receiving vessels up to 336 m long, 46 m beam and 13.5 m draft, whose dimensions are reduced further into the continent. The Port has high connectivity: road access through the Anchieta-Imigrantes System, Cônego Doménio Rangoni Highway, BR-101 and SP-55; railway by the extensions of MRS and Rumo Malha Paulista (RMP); pipeline by the lines of Transpetro; and waterway through the Tietê-Paraná Waterway. The Santos Port Complex handled, in 2018, 133.2 million tons, of which approximately 107.5 million tons were from the public port.

## PORTS

### ORGANIZED PORTS OF SALVADOR/ RATUCANDEIAS/ILHÉUS AND COMPANHIA DOCAS DA BAHIA (CODEBA) PRIVATIZATION

#### **Brownfield** Project

Expected Investment: under study

Fixed lease amount: under study

Variable lease amount: under study

Auction criteria: **Highest concession fee**

Concession term: 35 years

IRR: under study



**Importance:** The Salvador Port Complex handled, in 2019, 5,100,835 tons, with a predominance of containerized cargo (81.8%). The Port of Aratu-Candeias handled, in 2019, 6,368,990 tons, with emphasis on fuels and chemical products, which together account for 66.3% of the total. As for the Port Complex of Ilhéus, in 2019 it handled 147,411 tons, including wood, charcoal, cocoa and derivatives, which corresponded to 83.0% of the movement.



ABUNÁ BRIDGE, RONDÔNIA/RO

# Highways

## Partnership Projects

STUDIES	PUBLIC HEARING	TCU (FEDERAL COURT OF ACCOUNTS)	PUBLIC NOTICE	PUBLIC AUCTION	CONTRACT
BR-116/101/SP/RJ (Dutra)				10/28/2021	1Q 2022
BR-381/262/MG/ES				11/25/2021	1Q 2022
BR-116/493/465/RJ/MG (Rio-Valadares)				1Q 2022	2Q 2022
Rodovias Integradas do Paraná				2Q 2022	3Q 2022
Rodovias	Contratação BNDES - 6.700 km			4Q 2022	1Q 2023
BR-040/495/MG/RJ (Concer)	+ BR-040/MG			4Q 2022	1Q 2023

## HIGHWAYS BR-116/101/SP/RJ (DUTRA)

Length: **635.7 km**

CAPEX: **BRL 14.8 billions**

1st cycle CAPEX: **BRL 10.68 billions** – Years 2 to 9

Concession term: 30 years

Traffic: VEQdiary: 506 thousand (Year 3)

OPEX: **BRL 10.98 billions**

IRR (Internal Rate of Return ): 8.47%

Jobs created throughout the concession contract: estimated 218,743 (direct, indirect and income effect).

Auction criteria: lower fare (limited discount) and higher concession fee as a tiebreaker

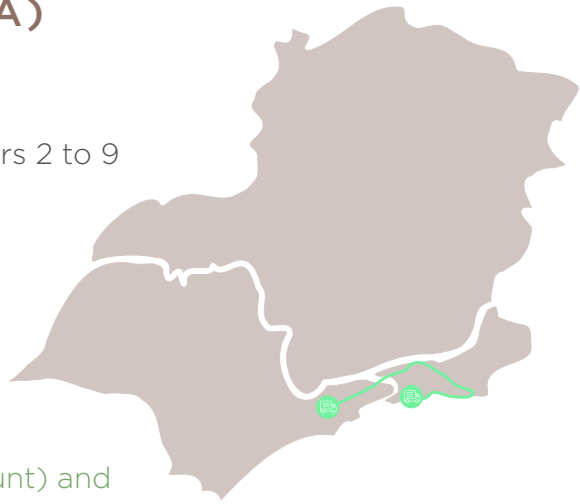
Fare:

BR-116 - BRL 11.67 (double lane);

After conclusion of Serra das Araras: BRL 12.12 /100km

BR-101 - BRL 4.37 (single lane) e BRL 5.69 (double lane).

**Importance:** It connects the two largest metropolitan regions in the country (Rio de Janeiro and São Paulo). In addition, it is part of the main link between the Northeast and the South, cutting through 34 cities.



## HIGHWAYS BR-381/262/MG/ES

Length: **686.1 km**

CAPEX: **BRL 7.37 billions**

1st cycle CAPEX: **BRL 4.84 billions** – Years 1 to 9

Traffic: VEQdiary: 212 thousand (Year 2)

OPEX: **BRL 6 billions**

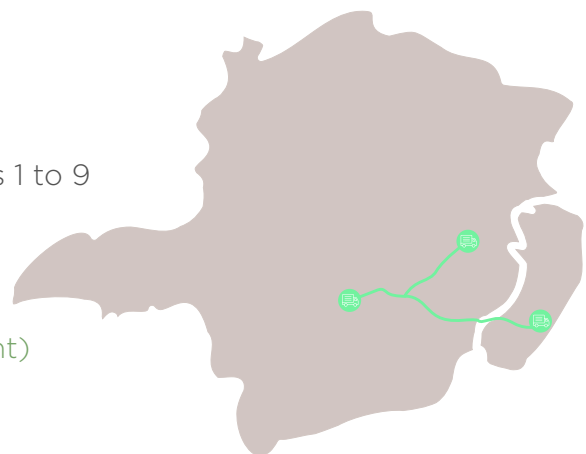
IRR (Internal Rate of Return): **8.47%**

Auction criteria: lower fare (limited discount) and highest concession fee as a tiebreaker.

Fare:

BRL 0.1196/km (single lane) and BRL 0,1675/km (double lane).

**Importance:** BR-262 connects ES (Espírito Santo) and MG (Minas Gerais), connecting Belo Horizonte and Vitória and cutting through municipalities specialized in different agricultural products, in addition to livestock. BR-381 is an industrial product flow corridor, cutting through Vale do Aço.



## HIGHWAYS

### BR-116/493/465/RJ/MG (RIO-VALADARES)

Length: **726.9 km**

CAPEX: **BRL 7.02 billions**

1st cycle CAPEX: **BRL 4.80 billions** - Years 1 to 7

Concession term: 30 years

Traffic: VEQdiary: **225.5 thousand** (Year 2)

OPEX: **BRL 8.27 billions**

IRR (Internal Rate of Return ): 8.47% (still fare with 9.2%)

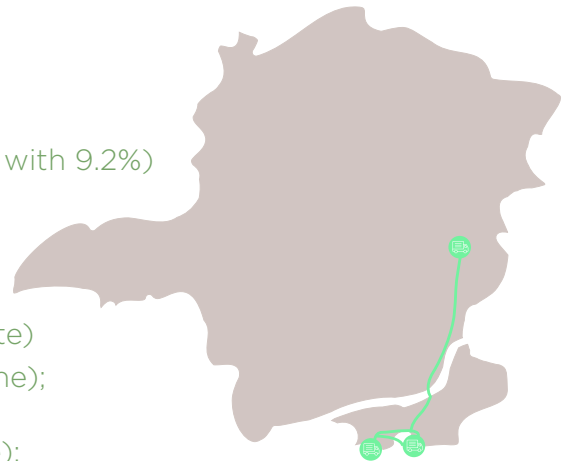
Auction criteria: lower fare (limited discount) and highest concession fee as a tiebreaker.

Fare:

Viúva Graça: BRL 10.49/100 km (Face rate)

BR-116/RJ - BRL 6.77 /100 km (single lane);  
BRL 8.81/100 km (double lane)

BR116/MG - BRL 12.5/100 km (single lane);  
BRL 16.25/100 km (double lane)



**Importance:** It is the only route, from the city of Rio de Janeiro, to bypass Guanabara Bay, allowing access to the Lagos region, in the north of the state, and to the North and Northeast regions of Brazil.

## HIGHWAYS

### BR-040/495/MG/RJ + BR-040/MG (JUIZ DE FORA - RIBEIRÃO DAS NEVES)

Length: **443 km**

CAPEX: **BRL 3.1 billions**

Concession term: 30 years

Traffic: VEQdiary: **66.2 thousand** (Year 2)

OPEX: **BRL 3.2 billions**

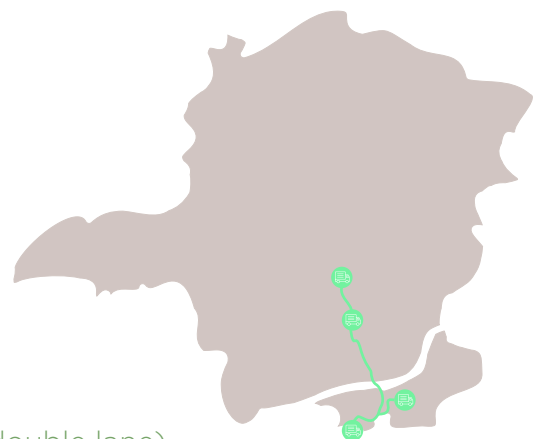
IRR (Internal Rate of Return):

**8.47% (still fare with 9.2%)**

Auction criteria: lower fare (limited discount) and highest concession fee as a tiebreaker

Fare:

BRL 16.01 (single lane) and BRL 20.82 (double lane)



**Importance:** It connects Rio de Janeiro and Juiz de Fora/MG. Main highway corridor between the states of MG (Minas Gerais) and RJ (Rio de Janeiro), as well as a relevant section on the radial highway that connects Brasília International Airport (BSB) and Rio de Janeiro (RJ).

## HIGHWAYS BNDES'S HIRING - 6,700 KM

Length: **6,594 km**

Traffic: under study

CAPEX: **BRL 42.67 billions**

Traffic: VEQdiary: **5.8 thousand**

OPEX: **BRL 36.44 billions**

IRR (Internal Rate of Return ): 8.47%

Jobs created throughout the concession contract: estimated 619,711 (direct, indirect and income effect).

IRR (Internal Rate of Return): **8.47%**

### **Lot CN 1: BR 060/452**

(GOIÂNIA-GO/ RIO VERDE-GO/  
ITUMBIARA - GO)

Length: 471.35 km

Capex: BRL 3.52 Bi

### **Lot CN 2: BR 364/060**

(RONDONÓPOLIS-MT/  
RIO VERDE-GO)

Length: 492.15 km

Capex: BRL 3.02 Bi

### **Lot CN 3: BR 364/174/070**

(VILHENA-RO/CUIABÁ - MT)

Length: 887.6 km

Capex: BRL 4.48 Bi

### **Lot CN 5: BR 364**

(PORTO VELHO-RO/VILHENA-RO)

Length: 732.5 km

Capex: BRL 4.64 Bi

### **Lot NE 1: BR 235**

(ITABAIANA-SE/ARACAJÚ-SE/FEI-  
RA DE SANTANA-BA)

Length: 339 km

Capex: BRL 2.85 Bi

### **Lot NE 2: BR 101**

(RECIFE-PE/ARACAJÚ-SE)

Length: 482 km

Capex: BRL 4.28 Bi

### **Lot NE 3: BR 232**

(RECIFE-PE/SALGUEIRO-PE)

Length: 508 km

Capex: BRL 4.88 Bi

### **Lot NE 4: BR 230/101**

(PATOS-PB/JOÃO PESSOA-PB/  
RECIFE-PE)

Length: 410 km

Capex: BRL 4.70 Bi

### **Lot NE 5: BR 116/304/101**

(FORTALEZA-CE/NATAL-RN/JOÃO  
PESSOA-PB)

Length: 732 km

Capex: BRL 4.73 Bi

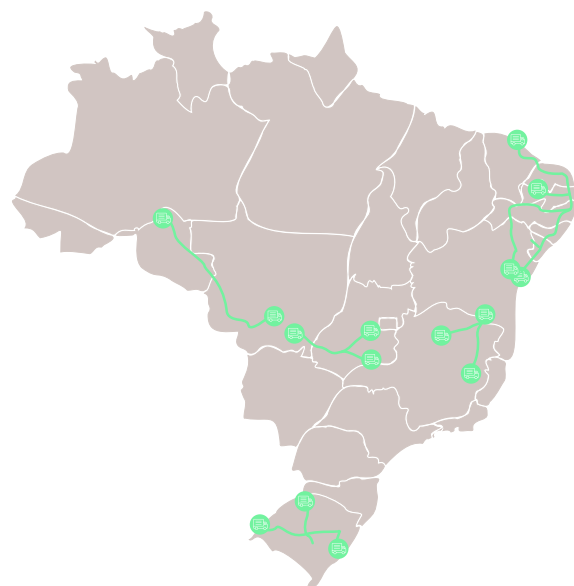
### **Lot RS 1: BR 290/116/158/392**

(PORTO ALEGRE-RS/CAMAQUÃ-  
-RS/SANTANA DA BOA VISTA-RS/  
CRUZ ALTA-RS)

Length: 667.4 km

Capex: BRL 5.57 Bi

**Importance:** The stretches in question have a strategic importance. Most of them are main trunk routes, with the sections of BR-116/304/CE/RN and BR-232/PE being the system's feeder routes, making up strategic logistics vectors, responsible for the outflow of national production, whether of commodities or manufactured products, either for the domestic or to the external market.



# HIGHWAYS INTEGRATED HIGHWAYS OF PARANÁ

Length: **3,361.9 km**

CAPEX: **BRL 44.21 billions**

Concession term: 30 years

Auction criteria: lower fare.

Traffic: VEQdiary: **5.8 thousand**

OPEX: **BRL 36.44 billions**

IRR (Internal Rate of Return ): 8.47%

Jobs created throughout the concession contract:  
estimated 619,711 (direct, indirect and income effect).

IRR (Internal Rate of Return): 8.47%

Fare (R\$/100 KM):

**lot 1:** BRL 0.0906/km (single lane) and BRL 0.1268/km (double lane)

**lot 2:** BRL 0.0948/km (single lane) and BRL 0.1328/km (double lane)

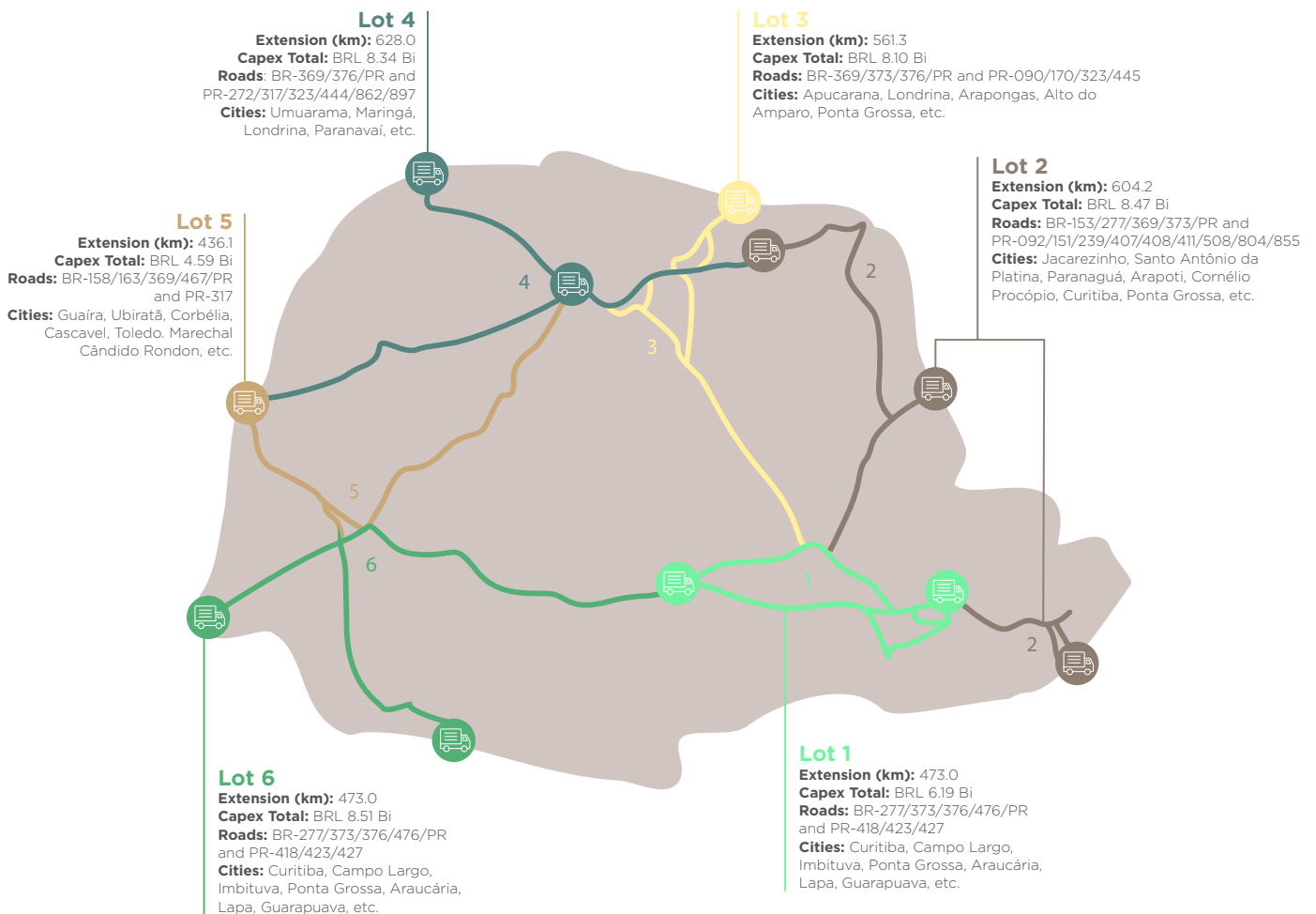
**lot 3:** BRL 0.01185/km (single lane) and BRL 0.1659/km (double lane)

**lot 4:** BRL 0.1043/km (single lane) and BRL 0.1460 /km (double lane)

**lot 5:** BRL 0.1201/km (single lane) and BRL 0.1680/km (double lane)

**lot 6:** BRL 0.1242/km (single lane) and BRL 0.1739/km (double lane)

**Importance:** The stretches involved interconnect the port of Paranaguá, the Metropolitan Region of Curitiba (29 municipalities), the western and northern regions of the State and the Friendship Bridge, on the border with Paraguay.





# Railways

## Partnership Projects

STUDIES	PUBLIC HEARING	TCU (FEDERAL COURT OF ACCOUNTS)	PUBLIC NOTICE	PUBLIC AUCTION	CONTRACT
EF-170 - Ferrogrão			4Q 2021	1Q 2022	2Q 2022

STUDIES	PUBLIC HEARING	TCU (FEDERAL COURT OF ACCOUNTS)	LEGAL OPINION	SUBSCRIPTION OF THE ADDENDUM
Contract Extension MRS				4Q 2021
Contract Extension FCA				1Q 2022

## RAILWAY EF-170 - FERROGRÃO

**Greenfield project** - new export railway corridor through Arco Norte.

Extension: **933 Km**

Estimated load (in millions of tons/year):

23.41 t (2020), 33.54 t (2030), 38.63 t (2040), 40.6 t (2050)

Expected investment (Capex): R\$ 25.20 billion (8.26 billion for implementation and 16.93 billion recurring)

Auction criteria: **Highest concession fee amount** (minimum of R\$ 66.48 million)

Jobs generated during the concession contract: an estimated 385,828 (direct, indirect and income effect).

Concession term: 69 years, extension is prohibited

OPEX: **R\$ 49.25 billions**

IRR: **11.04%**

**Importance:** aims to improve the flow of agricultural production in the Midwest, through connection to the Port of Miritituba, in the state of Pará.

## MRS LOGÍSTICA S.A. RAILWAY RENEWAL

Length: **1,686 km**

Expected load (in millions of tons / year, every 10 year):

180.02 t (2020), 213.77 t (2030), 212.03 t (2040), 221.77 t (2050), 225.61 t (2056).

Expected Investment (Capex): **R\$ 16.77 billions**

Opex: **R\$ 67.66 billions**

Forecast concession fee: **R\$ 2.07 billions** (ANTT source).

Jobs created throughout the concession contract: 256,760 (direct, indirect and income effect).

Concession term: extension for another 30 years.

**Importance:** The main goods handled in 2019, in thousands of useful tons, were: iron ore (85,164); steel products (8,747); sugar (2,368); coal / coke (2,867); container (1,263).

## CENTRO ATLÂNTICA S.A. RAILWAY RENEWAL (FCA)

Length: **7,215 km**

Expected load (in millions of tons / year, every 10 year): under studies

Expected Investment: **R\$ 13.8 billions** (under studies)

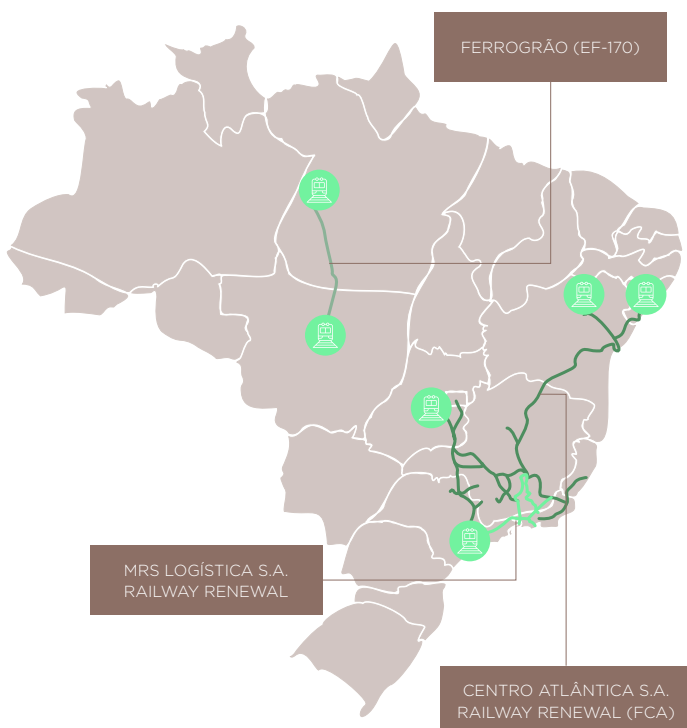
OPEX: **R\$ 75.86 billions**

Expected concession fee: **R\$ 4.97 billions**

Jobs created throughout the concession contract: 211,287 (direct, indirect and income effect).

Concession term: extension for another 30 years.

**Importance:** the main goods handled in 2019, in thousands of useful tons, were: soybeans (8,273); iron ore (4,113); sugar (3,710); mineral bulk (3,202); Steel Industry (2,525).





FIOL RAILWAY

# Planned 2022

## AIRPORTS

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7th Round of Concessions:

Blocos RJ-MG (5),  
NORTE II (2) e  
SP-MS-PA (9)

Re-bidding:

**Viracopos/SP**

Disposals of Infraero's holdings:

Guarulhos, Galeão, Con-  
fins, Brasília

Total:

**21 airports**

Investments:

**BRL 13.05 bi, EST.**

## PORTS

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Leases:

STS53, STS11, STS10,-  
SUA07, PAR09, PAR14,  
PAR15, VDC10, RDJ06/  
RDJ06A, MUC03, ILH01, S-  
SD04, IQI14

Concessions:

Port of São Sebastião/  
SP, Port of Itajaí/SC and  
Canal of Paranaguá/PR

Privatizations:

Porto Organizado of  
Santos/SP

Total:

**3 ports, 1 canal and 14  
Terminals**

Investments:

**BRL 12.67 bi, EST.**

## RAILWAYS

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PROJECT	EXTENSION
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Renewal of FCA	7,215 km
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Ferroeste	1,370 km
-----------	----------

Ferrogrão	933 km
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Total:

**1 renewal, 1 privatization  
and 1 concession 9,518 km**

Investments:

**BRL 47.02 bi, EST.**

## HIGHWAYS

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BR-116/493/465/Rio-Valadares

Length: 726.9 km

Paraná Integrated Highways

Length: 3,361.9 km

BR-040/495/MG/RJ + BR-040/MG

Length: 473 km

Hiring BNDES

Length: 6,594 km

BR-040/DF/GO/MG

Length: 679,7 km

BR-163/267/MS

Extension: 1,094 km

Total:

**12,929.5 km**

Investments:

**BRL 97 billions**

# Planned 2023

## AIRPORTS

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Regional PPP:

Amazonas block (8)

Total:

**8 airports**

Investments: **BRL 380 mi**

## PORTS

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Privatizations:

CODEBA

CDC

CDP

CODERN

CDRJ

Waterway - Lagoa Mirim

Total:

**5 ports and 1 Waterway**

Investments: under study

## RAILWAYS

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Renewal:

Rumo Malha Sul (7,223 km)

Re-bidding:

Rumo Malha Oeste (1,973 km)

Concession:

FICO - FIOL II e III (1,373 km)

Total:

**1 renewal, 1 re-bidding and 1 concession - 10,569km**

Investments: under study

## HIGHWAYS

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Concessions:

hiring BNDES (1,646 km)

BR-158/155/MT/PA (1,135.1 km)

BR-135/316/MA(437,7 km)

BR-060/153/262/DF/GO/MG-  
CONCEBRA (1.202,1 Km)

RODOVIAS SANTA CATARI-  
NA (3.153,37 km)

Total:

**7,574.27 km**

Investments:

**BRL 72.6 bi, EST.**





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