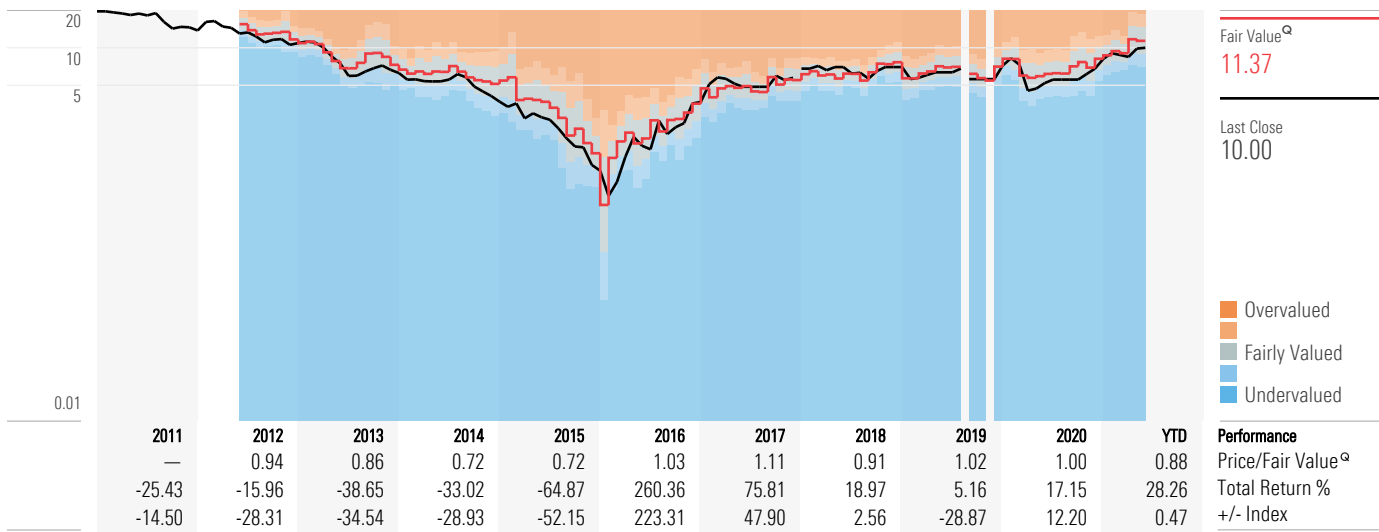


Bradespar SA XBRPO ★★★

Q 25 May 2021, 22:43 UTC

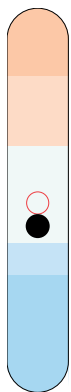
Economic Moat ^Q Narrow	Uncertainty ^Q Very High	Price/Fair Value ^Q 0.9	Trailing Dividend Yield % 3.91	Market Cap 3.5574 Bil	Investment Style Mid Value	Sector Financial Services	Industry Asset Management
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Total Return % as of 25 May 2021. Last Close as of 25 May 2021. Fair Value as of 25 May 2021, 22:43 UTC. Index: Morningstar Brazil GR BRL.

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Valuation^Q as of 25 May 2021



Fair Value^Q
11.37
Uncertainty^Q :
Very High

Last Close
10.00

XBRPO is Under Valued at a 12% discount.

Economic Moat^Q
Narrow
Financial Health^Q
Strong
1-Star Price^Q
> 18.69
5-Star Price^Q
< 6.92

Financials as of 25 May 2021 (Fiscal Year End 31 Dec 2020)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	YTD	Fiscal	
Revenue (Mil)	2,154.52	580.47	8.80	-12.85	-2,549.43	673.942	632.852	724.28	345.641	513.051	739.21	1,642	Revenue (Mil)
Operating Income (Mil)	—	—	—	—	—	—	—	—	—	—	—	94.08	Operating Income (Mil)
Operating Margin (%)	—	—	—	—	—	—	—	—	—	—	—	94.08	Operating Margin (%)
Net Income (Mil)	2,024	486	-48	101	-2,590	629	2,328	1,190	-403	1,467	1,701	1,701	Net Income (Mil)
Diluted Earnings/Share	—	1.39	-0.14	0.29	-6.99	1.69	6.25	3.21	-1.09	3.96	4.59	4.59	Diluted Earnings/Share
Operating Cash Flow (Mil)	638	557	415	598	387	61	-56	-782	121	979	1,179	1,179	Operating Cash Flow (Mil)
Capital Spending (K)	-10	—	—	—	—	—	—	—	—	-117	—	-117	Capital Spending (K)
Free Cash Flow (Mil)	638	557	415	598	387	61	-56	-782	121	979	1,179	1,179	Free Cash Flow (Mil)
Avg Shares Outstand(Mil)	—	350	350	350	372	372	372	371	371	371	371	371	Avg Shares Outstand(Mil)
Dividend Per Share	1.55	1.68	1.24	1.56	0.94	0.10	1.30	1.17	0.73	1.82	0.39	0.39	Dividend Per Share

Contact

Avenue Paulista 1450 - 9th floor, Sao paulo, SP 1310917
+55 1121786300
<https://www.bradespar.com.br>

Valuation as of 25 May 2021

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Current	Calendar	
Price/Fair Value ^Q	—	0.94	0.86	0.72	0.72	1.03	1.11	0.91	1.02	1.00	0.88	0.88	Price/Fair Value ^Q
Price/Sales	2.22	18.13	13.20	—	—	—	7.50	5.07	5.86	21.46	7.58	7.58	Price/Sales
Price/Earnings	6.62	21.72	14.27	8.26	21.08	6.16	25.64	7.78	8.26	7.78	7.78	7.78	Price/Earnings
Price/Cash Flow	5.54	18.59	14.39	9.81	2.59	22.76	30.81	—	103.49	19.16	11.22	11.22	Price/Cash Flow
Price/Book	—	1.11	0.71	0.45	0.15	0.55	0.94	1.18	1.11	1.51	1.87	1.87	Price/Book

Business Description

Bradespar is a Brazil-based holding company whose corporate purpose and single business segment is to hold equity interest as a partner or shareholder in other companies. Its holding companies include Millennium Security Holdings, which does business in the British Virgin Islands; and Vale S.A., which produces iron ore, raw materi-

Operating Performance as of 25 May 2021 (Fiscal Year End 31 Dec 2020)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Q3	Fiscal (%)	
Return on Assets	16.18	4.37	-0.44	0.95	-25.53	6.3	21.56	10.84	-3.89	13.71	13.79	13.79	Return on Assets
Return on Equity	26.19	5.3	-0.52	1.13	-30.74	7.95	27.86	12.69	-4.13	14.1	14.53	14.53	Return on Equity
Rtn on Invested Capital	—	—	—	—	—	—	—	—	—	—	—	—	Rtn on Invested Capital

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- ii. **Quantitative Economic Moat:** Intended to describe the strength of a firm's competitive position. It is calculated using an algorithm designed to predict the Economic Moat rating a Morningstar analyst would assign to the stock. The rating is expressed as Narrow, Wide, or None.
 - Narrow** – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 70% but less than 99%.
 - Wide** – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 99%.
 - None** – assigned when the probability of an analyst receiving a "Wide Moat" rating by an analyst is less than 70%.
- iii. **Quantitative Star Rating:** Intended to be the summary rating based on the combination of our Quantitative Fair Value Estimate, current market price, Quantitative Uncertainty Rating, and momentum. The rating is expressed as One-Star, Two-Star, Three-Star, Four-Star, and Five-Star.
 - ★ – the stock is overvalued with a reasonable margin of safety.
*Log (Quant FVE/Price) < -1*Quantitative Uncertainty*
*Micro-Caps: Log (Quant FVE/Price) < -1.5*Quantitative Uncertainty*
 - ★★ – the stock is somewhat overvalued.
*Log (Quant FVE/Price) between (-1*Quantitative Uncertainty, -0.5*Quantitative Uncertainty)*
*Micro-Caps: Log (Quant FVE/Price) between (-1.5*Quantitative Uncertainty, -0.75*Quantitative Uncertainty)*
 - ★★★ – the stock is approximately fairly valued.
*Log (Quant FVE/Price) between (-0.5*Quantitative Uncertainty, 0.5*Quantitative Uncertainty)*
*Micro-Caps: Log (Quant FVE/Price) between (-0.75*Quantitative Uncertainty, 0.75*Quantitative Uncertainty)*
 - ★★★★ – the stock is somewhat undervalued.
*Log (Quant FVE/Price) between (0.5*Quantitative Uncertainty, 1*Quantitative*

Uncertainty)

*Micro-Caps: Log (Quant FVE/Price) between (0.75*Quantitative Uncertainty, 1.5*Quantitative Uncertainty)*

★★★★ – the stock is undervalued with a reasonable margin of safety.

*Log (Quant FVE/Price) > 1*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) > 1.5*Quantitative Uncertainty*

After the initial calculation for the star rating, there is a final filtering step based on the momentum of the company. We rank the companies based on their 12-1 month momentum, then restrict those below the 30th percentile to a maximum of 3 stars.

iv. **Quantitative Uncertainty:** Intended to represent Morningstar's level of uncertainty about the accuracy of the Quantitative Fair Value Estimate. Generally, the lower the Quantitative Uncertainty, the narrower the potential range of outcomes for that particular company. The rating is expressed as Low, Medium, High, Very High, and Extreme.

Low – the interquartile range for possible fair values is less than 10%

Medium – the interquartile range for possible fair values is less than 15% but greater than 10%

High – the interquartile range for possible fair values is less than 35% but greater than 15%

Very High – the interquartile range for possible fair values is less than 80% but greater than 35%

Extreme – the interquartile range for possible fair values is greater than 80%

v. **Quantitative Financial Health:** Intended to reflect the probability that a firm will face financial distress in the near future. The calculation uses a predictive model designed to anticipate when a company may default on its financial obligations. The rating is expressed as Weak, Moderate, and Strong.

Weak – assigned when Quantitative Financial Health < 0.2

Moderate – assigned when Quantitative Financial Health is between 0.2 and 0.7

Strong – assigned when Quantitative Financial Health > 0.7

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 - Undervalued – Last Price** is below Morningstar's quantitative fair value estimate.
 - Fairly Valued – Last Price** is in line with Morningstar's quantitative fair value estimate.
 - Overvalued – Last Price** is above Morningstar's quantitative fair value estimate.

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