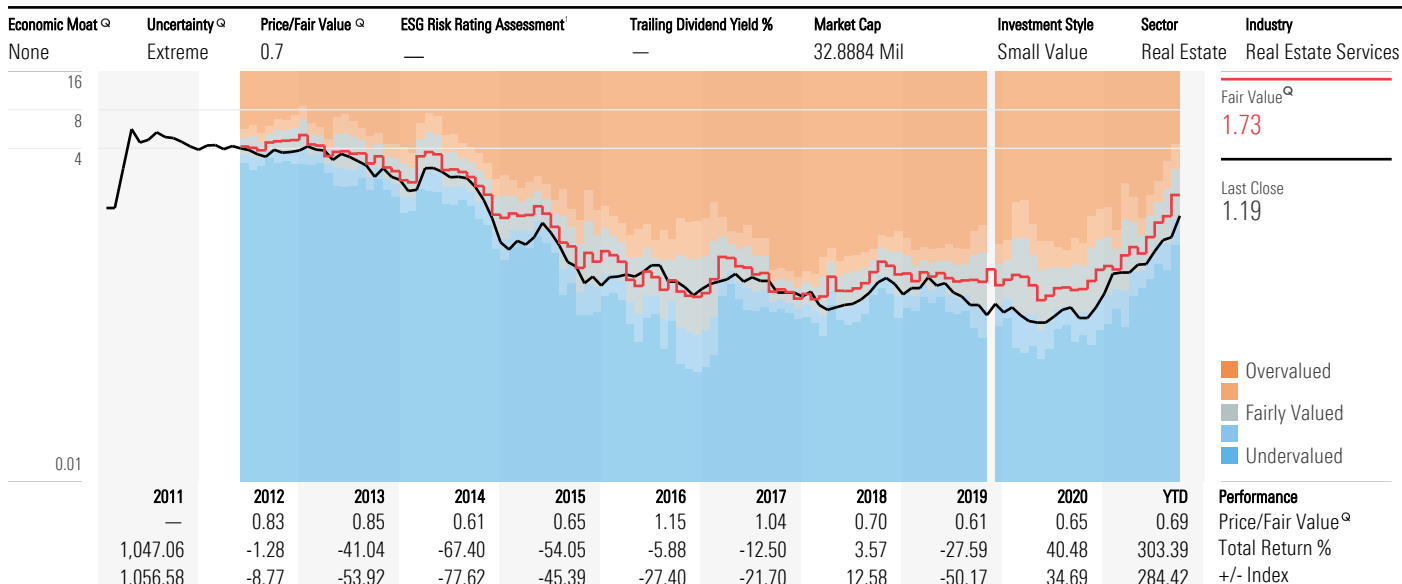


Mongolia Growth Group Ltd YAK ★★★ Q 22 Sep 2021, 22:37 UTC



Total Return % as of 22 Sep 2021. Last Close as of 22 Sep 2021. Fair Value as of 22 Sep 2021, 22:37 UTC. Index: Morningstar Canada GR CAD.

The ESG Risk Rating Assessment is a representation of Sustainalytics' ESG Risk Rating. There is no one analyst in which a Quantitative Fair Value Estimate and Quantitative Star Rating are attributed to; however, Mr. Lee Davidson, Head of Quantitative Research for Morningstar, Inc., is responsible for overseeing the methodology that supports the quantitative fair value. As an employee of Morningstar, Inc., Mr. Davidson is guided by Morningstar, Inc.'s Code of Ethics and Personal Securities Trading Policy in carrying out his responsibilities. For information regarding Conflicts of Interests, visit <http://global.morningstar.com/equitydisclosures>.

Valuation^Q as of 22 Sep 2021



Fair Value^Q
1.73
Uncertainty^Q:
Extreme

Last Close
1.19

YAK is Under Valued at a 31% discount.

Economic Moat^Q

None

Financial Health^Q

Moderate

1-Star Price^Q

> 4.31

5-Star Price^Q

< 0.70

Financials as of 22 Sep 2021 (Fiscal Year End 31 Dec 2021)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	YTD	Fiscal
Revenue (K)	589	1,582	1,727	1,919	1,948	1,610	1,772	1,472	1,141	931	429	Revenue (K)
Operating Income (K)	-1,632	-1,958	-544	-5,360	-2,007	-426	72	-415	-1,211	-1,177	-712	Operating Income (K)
Operating Margin (%)	-276	-123	-31.52	-279	-103	-26.47	4.08	-28.19	-106	-126	-165	Operating Margin (%)
Net Income (K)	1,349	-6,074	-156	4,152	-9,931	-5,663	-3,097	1,557	-3,250	3,728	9,872	Net Income (K)
Diluted Earnings/Share	0.05	-0.17	-0.01	0.12	-0.28	-0.16	-0.09	0.05	-0.10	0.12	0.33	Diluted Earnings/Share
Operating Cash Flow (K)	-357	-3,816	-1,730	-2,908	-1,391	713	-345	-612	-503	-354	-1,019	Operating Cash Flow (K)
Capital Spending (K)	-4,666	-434	-132	-37	—	-18	-1	-22	-2	-1	-1	Capital Spending (K)
Free Cash Flow (K)	-5,023	-4,249	-1,862	-2,945	-1,391	695	-346	-634	-504	-355	-1,019	Free Cash Flow (K)
Avg Shares Outstand (Mil)	25	36	35	35	35	35	34	33	33	32	30	Avg Shares Outstand (Mil)
Dividend Per Share	—	—	—	—	—	—	—	—	—	—	—	Dividend Per Share

Valuation as of 22 Sep 2021

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Current	Calendar
Price/Fair Value ^Q	—	0.83	0.85	0.61	0.65	1.15	1.04	0.70	0.61	0.65	0.69	Price/Fair Value ^Q
Price/Sales	148.72	61.74	23.14	12.92	6.87	6.33	6.78	5.57	5.42	14.95	39.50	Price/Sales
Price/Earnings	—	—	—	4.93	—	—	—	4.83	—	—	2.25	Price/Earnings
Price/Cash Flow	2,650.05	—	—	—	—	—	—	20.08	—	—	91.98	Price/Cash Flow
Price/Book	—	2.78	1.85	0.52	0.23	0.31	0.33	0.32	0.25	0.41	0.97	Price/Book

Operating Performance as of — (Fiscal Year End 31 Dec 2021)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Q3	Fiscal (%)
Return on Assets	4.86	-11.39	-0.32	8.19	-18.93	-13.27	-9.69	5.15	-11.39	13.79	10.33	Return on Assets
Return on Equity	5.05	-12.08	-0.34	8.63	-19.88	-13.9	-10.27	5.48	-12.1	14.47	11.13	Return on Equity
Rtn on Invested Capital	5.06	-12.08	-0.72	9.11	-19.88	-13.9	-10.05	5.54	-11.82	14.44	11.11	Rtn on Invested Capital

Contact

100 King Street West, Toronto, ON M5X 1C9
+1 877 644-1186

info@mongoliagrowthgroup.com

<http://www.mongoliagrowthgroup.com>

Business Description

Mongolia Growth Group Ltd is a real estate investment and development company. It owns commercial investment property assets in Ulaanbaatar, Mongolia. The company operates through two segments: Investment Property Operations and Corporate. The Investment Property operations consist of commercial and residential investment property in

Mongolia held for the purposes of rental revenue, capital appreciation or redevelopment.

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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.
 - One-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*
 - Two-Star** - 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)*
 - Three-Star** – 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)*
 - Four-Star** – 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)*

Five-Star – 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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- i. **Last Close** – Price of the stock as of the close of the market of the last trading day before date of the report.
- ii. **Quantitative Valuation**– Using the below terms, intended to denote the relationship between the security's **Last Price** and Morningstar's quantitative fair value estimate for that security.
 - 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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