

## E&R XME 35™

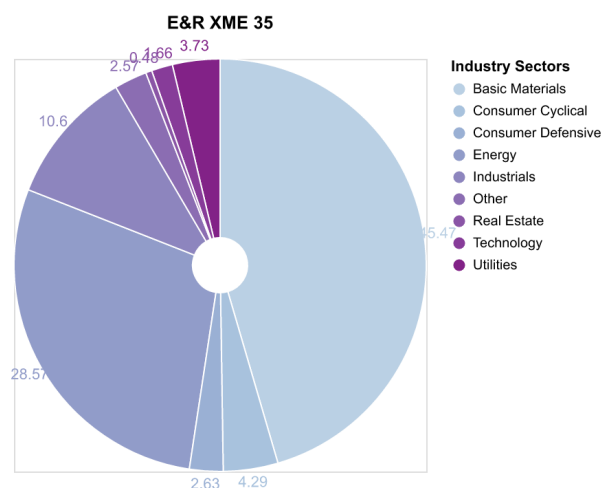
Inception date January 2014

### Description

This model has been created to improve the statistical and scientific design flaws of the market capitalization methodology used in the benchmark, which is concentrated and weight obsessive. Unlike market capitalization methodology, which is risk-increasing and return-reducing due to its concentration, the 3N methodology developed by AlphaBlock is designed to deliver higher risk-weighted excess returns while maintaining low tracking error versus the respective benchmark.

## 1. Exceptional & Rich XME 35

### 1.1. Sector Breakdown (percentage)

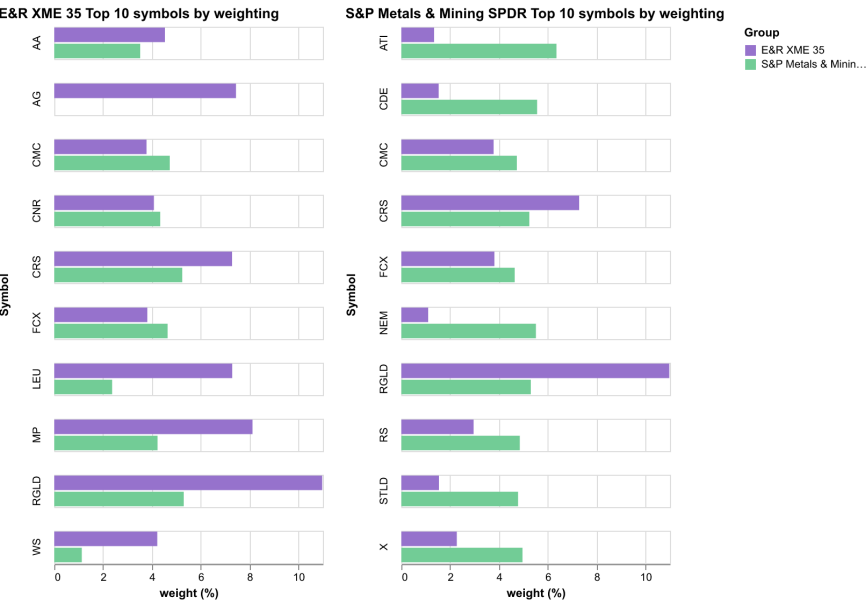


### 1.2. Top 10 Components

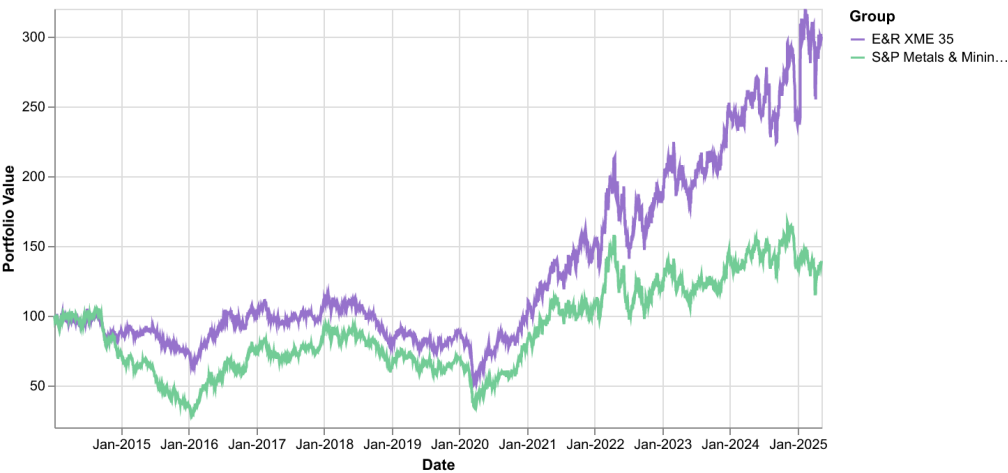
	Nr./Symbol	Name	Current Price	P&L(%)	E&R XME 35 Proportion(%)
1	RGLD	Royal Gold Inc	184.41	50.42	10.97
2	MP	MP Materials Corp	21.95	54.36	8.12
3	AG	First Majestic Silver	5.90	1.03	7.44
4	LEU	Centrus Energy Corp	93.60	14.73	7.29
5	CRS	Carpenter Technology Corp	212.33	14.92	7.28
6	AA	Alcoa Corp	25.92	-34.33	4.53
7	WS	Worthington Steel Inc	26.01	-0.80	4.22
8	CNR	Core Natural Resources Inc	67.23	-29.76	4.08
9	FCX	Freeport-McMoRan Inc	37.86	-10.28	3.81
10	CMC	Commercial Metals Co	46.09	-11.07	3.78

\*In case components hit maximum weight constraints they are rebalanced back to lower inception weights.

1.3. Top 10 Comparisons



1.4. Performance Plot Since January 2014

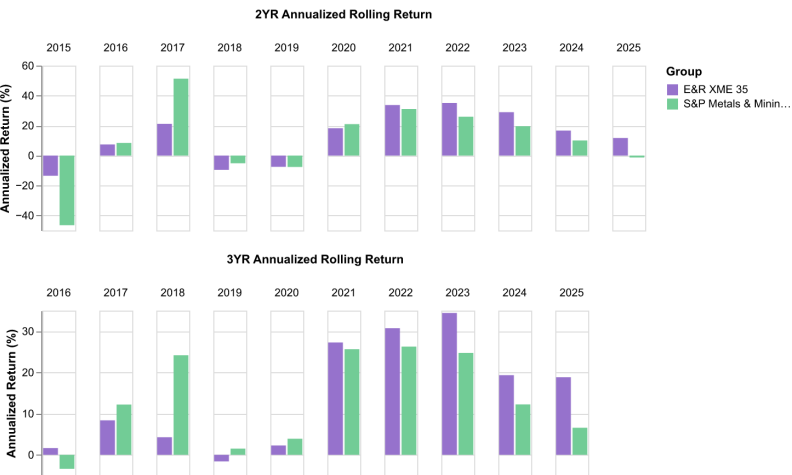


1.5. Performance Metrics

The table illustrates the performance across various parameters. The Performance (%) of Portfolio from different starting points, Current portfolio value of the funds invested at inception, Annualized (%) Returns, Annualized Standard Deviation (%), Average Tracking Error (%) and Average Information Ratio (%).

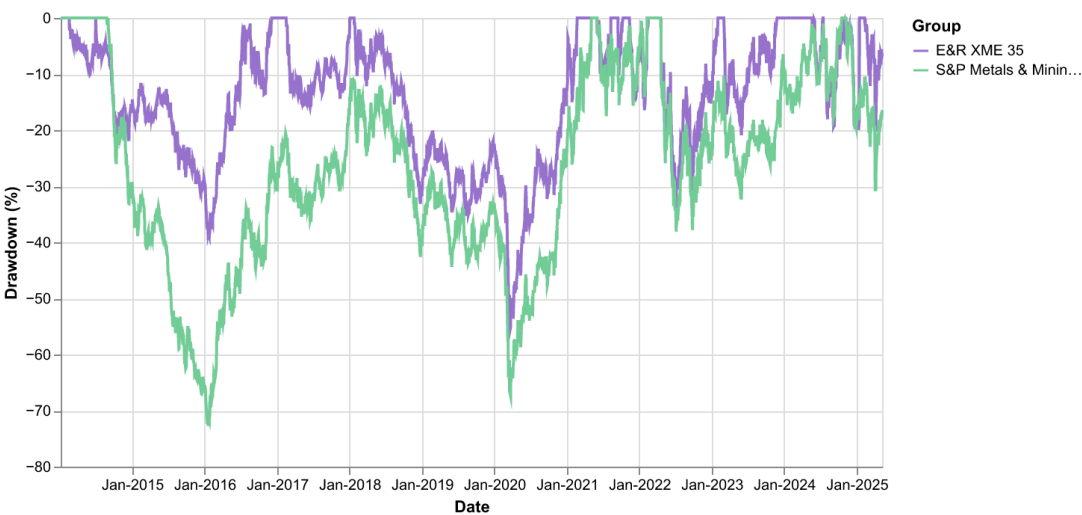
Nr./Name		E&R XME 35	S&P Metals & Mining SPDR
1	Performance (%) since January 2015	237.92	89.24
2	Performance (%) since January 2018	179.57	60.57
3	Performance (%) since January 2021	199.91	74.64
4	Performance (%) since January 2025	25.49	2.91
5	Current Portfolio Value (Invested in January 2014)	299.95	139.28
6	Annualized (%) Return (Since January 2014)	10.17	2.96
7	Annualized Std. Deviation (%)	27.00	32.23
8	Average Tracking Error (%)	12.42	-
9	Average Information Ratio	0.38	-

1.6. Annualized Rolling Return



1.7. Drawdown Analysis

A daily time series plot illustrating drawdowns of more than 10% from peak equity.



Nr./Portfolio Drawdowns (%)					Nr./Benchmark Drawdowns (%)				
	Start date	End date	Maximum (%)	Days		Start date	End date	Maximum (%)	Days
1	- 2-Jul-14	5-Dec-16	-39.00	887	1	- 26-Aug-14	5-May-21	-72.71	2444
2	- 15-Feb-17	4-Jan-18	-15.90	323	2	- 2-Jun-21	11-Feb-22	-17.48	254
3	- 24-Jan-18	22-Feb-21	-55.80	1125	3	- 18-Apr-22	18-Oct-24	-38.09	914
4	- 1-Jun-21	11-Aug-21	-15.44	71	4	- 6-Nov-24	9-May-25	-30.63	184
5	- 15-Sep-21	11-Oct-21	-10.20	26					
6	- 12-Nov-21	16-Feb-22	-16.46	96					
7	- 18-Apr-22	2-Feb-23	-33.95	290					
8	- 3-Mar-23	27-Nov-23	-20.92	269					
9	- 21-May-24	15-Jul-24	-10.41	55					
10	- 16-Jul-24	6-Nov-24	-19.46	113					
11	- 7-Nov-24	15-Jan-25	-19.97	69					
12	- 10-Feb-25	9-May-25	-20.25	88					

## Bibliography

- [1] Matia, Kaushik and Pal, Mukul and Stanley, H. Eugene and Salunkay, H., Scale-Dependent Price Fluctuations for the Indian Stock Market. EuroPhysics Letters, Aug 2003
- [2] M. Pal, M. Shah, A. Mitroi, Temporal Changes in Shiller's Exuberance Data, SSRN, Feb 2011
- [3] M. Pal, Mean Reversion Framework, SSRN, May 2015
- [4] M. Pal, Markov and the Mean Reversion Framework, SSRN, May 2015
- [5] M. Pal, Momentum and Reversion, Aug 2015
- [6] M. Pal, What is Value, SSRN, Sep 2015
- [7] M. Pal, M. Ferent, Stock Market Stationarity, SSRN, Sep 2015
- [8] M. Pal, Reversion Diversion Hypothesis, SSRN, Nov 2015
- [9] M. Pal, How Physics Solved your wealth problem, SSRN, Oct 2016
- [10] M. Pal, Human AI, SSRN, Jul 2017
- [11] M. Pal, The Size Proxy, Aug 2017
- [12] M. Pal, The Beta Maths, SSRN, Mar 2017
- [13] Maureen, O. Bhattacharya, A. ETFs and Systematic Risk. CFA Research Institute, Jan 2020
- [14] M. Pal, [3N] model of life, SSRN, Apr 2021
- [15] M. Pal, The S&P 500 Myth, SSRN, Jul 2022
- [16] M. Pal, The Snowball Effect, SSRN, Jul 2022
- [17] M. Pal, Mechanisms of Psychology, SSRN, Jun 2022
- [18] M. Pal, The [3N] model of life, SSRN, Feb 2023
- [19] M. Pal, R. Fenesi, O.D. Cigan, A.G. Berciu, R.C. Tiric, F. Pal, D. Todor, E.H. Dulf, Revolutionizing Active Investing With Machine Learning, SSRN, Jan 2024
- [20] M. Pal, R.C. Tiric, F. Pal, Machine Beta, Statistical Factors, Non-Linear Mechanisms And The [3N] Methodology, SSRN, Jan 2024



**This product is driven by AlphaBlock Research:**

**Mukul Pal**

mukul@alphablock.org

**Florina Pal**

florina@alphablock.org

**Bianca Bradea**

bianca.bradea@alphablock.org

**Ciprian Tiric**

ciprian.tiric@alphablock.org

**Oliviu Cigan**

oliviu.cigan@alphablock.org

CONFIDENTIALITY NOTICE: The information contained in this communication is intended solely for the use of the individual or entity to whom it is addressed and others authorized to receive it. It may contain confidential or legally privileged information. If you are not the intended recipient you are hereby notified that any disclosure, copying, distribution or taking any action in reliance on the contents of this information is strictly prohibited and may be unlawful. If you have received this communication in error, please notify us immediately by responding to this email and then delete it from your system. We are neither liable for the proper and complete transmission of the information contained in this communication nor for any delay in its receipt.



**alphablock**



241 Renforth Drive, Toronto, M9C 2K8, Ontario, Canada



contact@alphablock.org