AN INTRODUCTION TO ALPHA ARCHITECT

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Empower Investors Through Education | Affordable Alpha
Our Firm Impact Mission and Passion:

We Empower **Investors** Through **Education**

*In order to*

Develop **Sustainable** Investors
**Education Works: A Billionaire Cold-called Wes...**

Blog attracts $Bn+ family office

We launch our ETF business

Word gets out...

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**July '10**
AUM ($M): $0

**Oct '14**
AUM ($M): ~$100

**May '18**
AUM > $1B

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No sales reps. No gimmicks. Pure education.

*Source: Figures as of 6/15/2107*
Education Develops Sustainable Investors

Our Approach

Sustainable Process

+ 

Our Clients

Sustainable Investors

= 

Our Goal

Expected Long-Term Performance

Education is critical for cultivating long-term, sustainable investors

“Alpha” is Earned via Patience & Discipline
Why Does Sustainability Matter? Ask Warren Buffett!
Disciplined investors earn risk premiums from less disciplined investors

Buffett: -39%
SP500: 7%
QQQ: 110%

Charlie, should we buy tech?

“Warren Buffett may be losing his magic touch.”

Source: Factset. 6/1/1999 to 2/29/2000. The results are hypothetical results and are NOT an indicator of future results and do NOT represent returns that any investor actually attained. Please see disclosures for additional information. Additional information regarding the construction of these results is available upon request.
## Our Core Beliefs Reinforce Our Mission

<table>
<thead>
<tr>
<th>Our beliefs</th>
<th>Why important</th>
<th>Mission</th>
</tr>
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<tbody>
<tr>
<td><strong>1. Transparency, no Black-Boxes</strong></td>
<td>Transparency increases trust for the process</td>
<td>Sustainable investors understand the plan</td>
</tr>
<tr>
<td><strong>2. Evidence-Based, not Story-Based</strong></td>
<td>Evidence increases chance of success</td>
<td>Sustainable investors use data, not emotion</td>
</tr>
<tr>
<td><strong>3. Systematic, not Ad-Hoc</strong></td>
<td>Systematic eliminates human bias &amp; costs</td>
<td>Sustainable investors stay the course</td>
</tr>
<tr>
<td><strong>4. Win-Win, not Win-Lose</strong></td>
<td>Win-Win culture builds long-term partnerships</td>
<td>Sustainable investors build a winning team</td>
</tr>
</tbody>
</table>

### Sustainable Investors can Exploit Sustainable Processes

[Brand logo]
WHAT WE DO: AFFORDABLE ALPHA
Alpha Architect Delivers “Affordable Alpha”

Active management works better...if it’s affordable

Why our value proposition works

Affordable
- AA is bought...not sold, which minimizes distribution costs
- We do more with less via low overhead and technology
- We are very tax-aware and focus on tax-efficient investment solutions

Alpha
- We conduct exhaustive research
- Our portfolios are anti-closet index
- Our strategies have limited capacity

Become the “Vanguard” of Unique, Non-Scalable Ideas
Our Business Model **Helps Clients Win**
We are built for tax-sensitive, independent, long-term investors...we are NOT for everyone

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<tbody>
<tr>
<td>Passive Index</td>
<td>No</td>
<td>Likely – Very cheap</td>
<td>Low</td>
<td>Yes</td>
<td>Good for the masses</td>
</tr>
<tr>
<td>Closet Index or “Smart Beta”</td>
<td>No</td>
<td>Maybe</td>
<td>High</td>
<td>Yes</td>
<td>Good at the right price</td>
</tr>
<tr>
<td>Active</td>
<td>Yes</td>
<td>Unlikely – Too expensive</td>
<td>High</td>
<td>Limited</td>
<td>Not sustainable after-tax and fees</td>
</tr>
</tbody>
</table>

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**We are different**
Less than active & tax efficient
Minimal middlemen
Educated investors

**Sustainable**

**Active Investing that Seeks to Achieve a Win-Win**
Strategies: Different layers of complexity for different goals

Different Tools for Different Goals

- GVMT Index
- RAA Index
- QV Index
- QM Index
- IQV Index
- IQM Index

AAA

AA L/S Index

Managed Futures

Leverage

Risk Management

Long-Only Focused Factors

Complexity
Strategy details

**Focused Factor Investing**
- Concentrated Value and Momentum (No closet indexing allowed!)
- ETFs and Managed Accounts

**Tax-Efficient Alternatives**
- Long/Short Equity & Mgd. Futures (multi-strategy)
- ETFs, Hedge Fund, IDF, Managed Accounts

**Tactical Asset Allocation**
- Robust Asset Allocation (A turnkey portfolio solution)
- Automated Managed Accounts

Built for tax-sensitive, independent, long-term investors
We Attract **E.D.U.C.A.T.E.D.** Clients

<table>
<thead>
<tr>
<th>E</th>
<th>Empirical</th>
<th>Evidence-based. Show me the data</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>Disciplined</td>
<td>Long-term investors. Avoid short-term fads</td>
</tr>
<tr>
<td>U</td>
<td>Unassuming</td>
<td>Billionaires that drive Honda Civics. Disdain for flash</td>
</tr>
<tr>
<td>C</td>
<td>Committed</td>
<td>Long-term horizon. Not afraid of short term volatility</td>
</tr>
<tr>
<td>A</td>
<td>Active</td>
<td>Not satisfied with passive index performance</td>
</tr>
<tr>
<td>T</td>
<td>Tax Aware</td>
<td>Looks for after tax results. Incorporates tax planning</td>
</tr>
<tr>
<td>E</td>
<td>Economical</td>
<td>Understands price is what you pay. Value is what you get</td>
</tr>
<tr>
<td>D</td>
<td>Do It Yourself</td>
<td>An entrepreneurial spirit. Avoids the status quo</td>
</tr>
</tbody>
</table>

**We are NOT for everyone: Are you the right client?**
We are Thought Leaders in Quant and Factor Investing

We publish peer-reviewed research...

...contribute to national outlets...

...and our approach is making news
Firm AUM Growth (As of 9/30/2018)

Alpha Architect AUM Growth (Start: 1/1/2013)
Our Impact Mission: Empower Investors Through Education
Alpha Architect Entity Chart

- Empirical Finance LLC

- Alpha Architect LLC

- Empowered Funds LLC

- Advanced Alpha Architect LP

- Alpha Architect ETF Trust

- QVAL
- IVAL
- QMOM
- IMOM
- VMOT

Hartz Capital Royalty (5%)

Alpha Architect LLC is GP

Empowered Funds LLC is Advisor to the Trust

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IMPORTANT INFORMATION - DISCLOSURES

There are risks involved with investing, including loss of principal. There is no assurance that the objectives of any strategy or fund will be achieved or will be successful. No investment strategy, including diversification, can protect against market risk or loss. Current and future portfolio holdings are subject to risk. Past performance does not guarantee future results.

There is a risk of substantial loss associated with trading commodities, futures, options and other financial instruments. Before trading, investors should carefully consider their financial position and risk tolerance to determine if the proposed trading style is appropriate. Investors should realize that when trading futures, commodities and/or granting/writing options one could lose the full balance of their account. It is also possible to lose more than the initial deposit when trading futures and/or granting/writing options. All funds committed to such a trading strategy should be purely risk capital.

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Index returns are for illustrative purposes only and do not represent actual fund performance. References to an index do not imply that the portfolio will achieve returns, volatility or other results similar to that index. The composition of the index may not reflect the manner in which a portfolio is constructed in relation to expected or achieved returns, portfolio guidelines, restrictions, sectors, correlations, concentrations, volatility or tracking error targets, all of which are subject to change. Index performance returns do not reflect any management fees, transaction costs, or expenses, which would reduce returns.

Indexes are unmanaged and one cannot invest directly in an index. There are no active components of indexes; therefore, using them as a proxy can be of limited value because there is no guarantee that the portfolio would have been managed to match the index. Realized returns and/or volatility may come in higher or lower than expected.

Annual performance is calculated based on monthly return streams, geometrically linked as of the end of the specified month end.

Results, unless cited otherwise, are shown gross of fees and do not reflect the effect of investment fees which would lower performance. Performance reflects the reinvestment of dividends and other earnings. The following hypothetical illustrates the compound effect fees have on investment return: For an account charged 1% with a stated annual return of 10%, the net total return before taxes would be reduced from 10% to 9%. A ten year investment of $100,000 at 10% would grow to $259,374, and at 9%, to $236,736 before taxes. For a complete description of all fees and expenses, please refer to Alpha Architect’s Form ADV Part 2A.
IMPORTANT INFORMATION - DISCLOSURES

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Strategy Background for Warren Buffett Slide

➢ Simulated Historical Performance: 1/1/1994 to 12/31/1999

➢ All returns are total returns and include the reinvestment of distributions (e.g., dividends)
➢ Gross of all fees and transaction costs
➢ From Ken French Website: http://mba.tuck.dartmouth.edu/pages/faculty/ken.french/data_library.html

➢ Legend
   Value Stocks = Top Decile B/M
   SP500 = S&P 500 Total Return Index
   RF = Treasury Bill Total Return Index

➢ Hypothetical performance results have many inherent limitations, some of which, but not all, are
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