



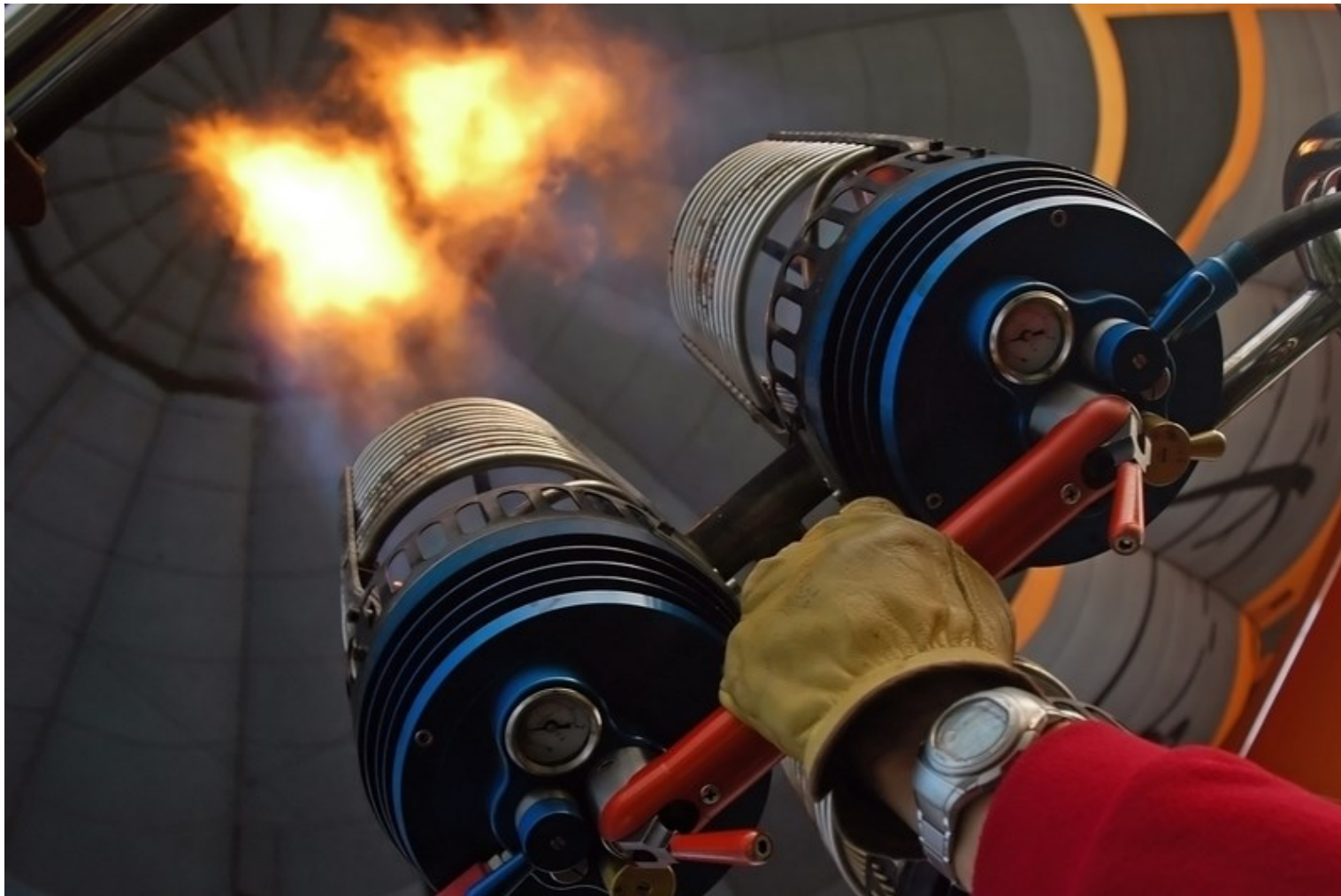
Stop Watching | Start Living

Our Mission

To enthusiastically provide dynamic tools, research, and services within the financial community by empowering institutions and individuals to redefine what financial freedom really means.

Introduction

In this issue of State of the Bands™ air, hot air, and the 2020 elections are now in focus along with another look at cryptocurrency and the impact it is making in third world countries. This report concludes with a brief introduction on Arbitrage Trade's Windows of Opportunity™ and practical ways to consistently lock in profits.



Refrigeration And The End Of R22 Coolant

January 1st 2020 R22 coolant becomes illegal within the United States. Since August 26, 1987, the date Montreal Protocol was unanimously signed, the price of R22 coolant has risen in price to encourage both countries and manufacturers to switch to the alternative R410A coolant; which does not deplete the ozone layer. The Montreal Protocol was designed and ratified by 197 parties including the European Union; making it the first global signed treaty in United Nations history.



The goal of this protocol was to eliminate the use of all substances that deplete the Ozone Layer.

As a result of the international agreement, the ozone hole in Antarctica is slowly recovering. Climate projections indicate that the ozone layer will return to 1980 levels between 2050 and 2070.

R-410A was invented and patented by a division of Honeywell (symbol: HON) previously known as Allied Signals in 1991.

The Carrier Corporation (not publicly traded) was the first company to introduce an R-410A based residential air conditioning unit onto

the marketplace in 1996 and holds the trademark "Puron".

R-410A was successfully commercialized in the air conditioning segment by a combined effort of the Carrier Corporation, Emerson Climate Technologies (symbol: EMR) and Allied Signals. All three of these companies should continue to reap the benefits of this impending change in law.

Helium Shortage - Party On... Or Not!

This is the 3rd helium shortage in 36 Years, but not all shortages are created equal. For example, pure liquid helium also known as grade 5 helium has been delivered to customers regardless of their purity requirements. However, balloon grade helium, CGA Grade H helium is only 97.5 percent pure.

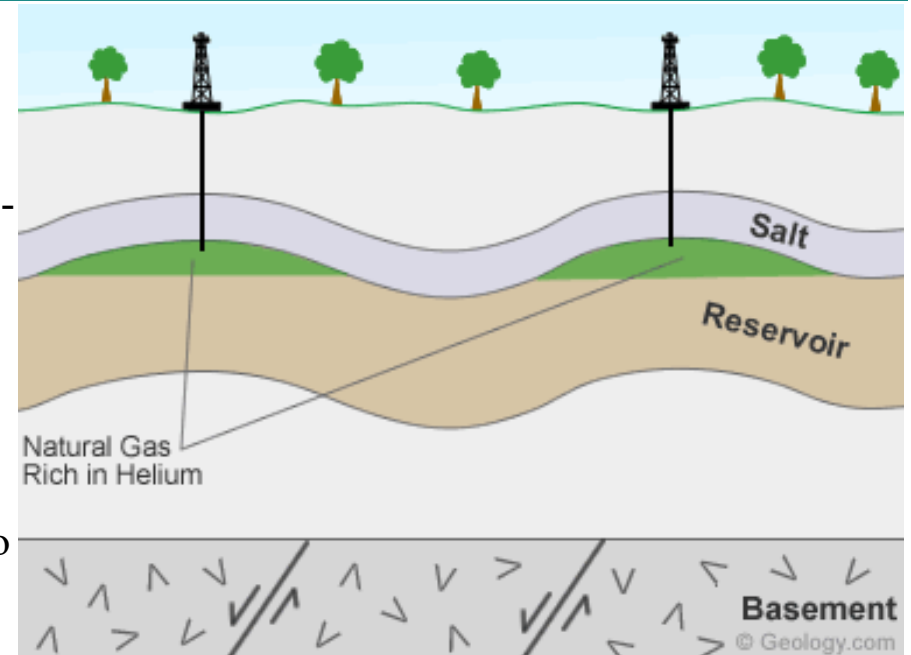


Helium providers, with the intent of being more “green”, have decided to reduce production costs by substituting 100%

pure helium for balloon grade helium; which does require far less effort to produce. This decision has however resulted in more companies that use helium products to also switch to the balloon grade helium. So, consequently and quite temporarily, this is creating a higher demand for balloon grade helium, but this is also leaving existing balloon grade helium customers with no other option than “learn to share” or find more efficient ways to use less.

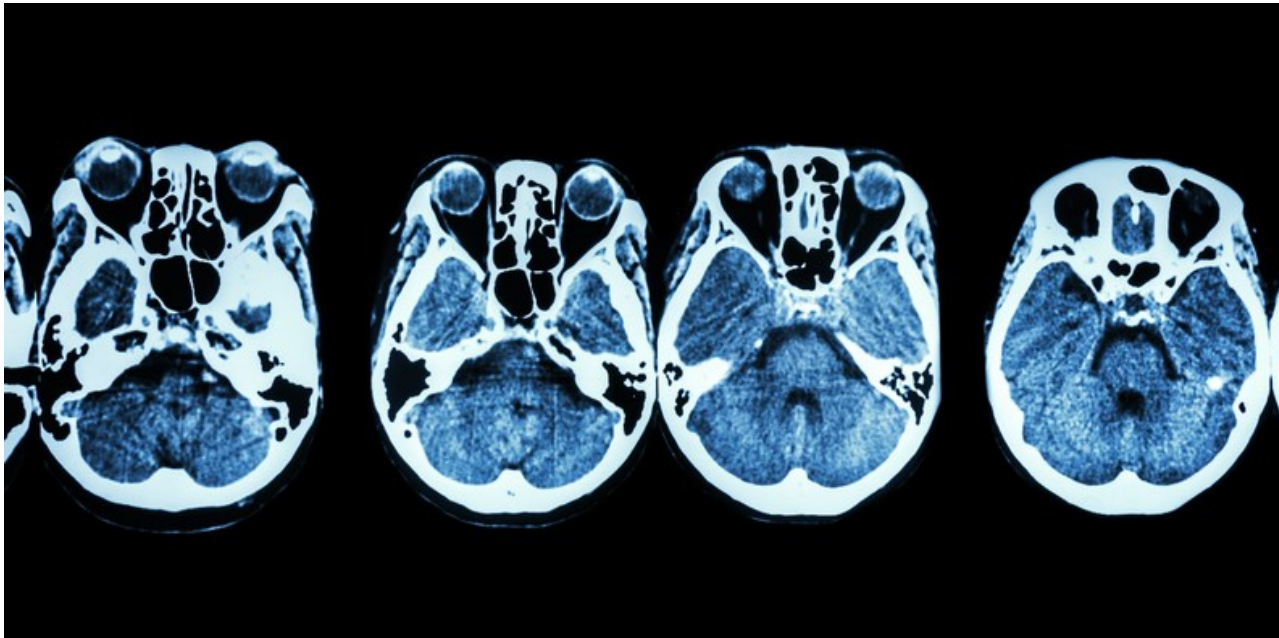
Additionally, healthcare providers, the primary users of Grade 5 helium, have figured out a way to reduce their helium consumption requirements by almost 99% thanks to GE Healthcare and their new Freelimium Patents.

For example, an average MRI machine uses about 2000 liters of helium and must be replenished. Freelimium is a closed circuit system that uses 20 liters of Helium and it does not need to be replenished. This last fact alone should position GE to be very profitable in the near future.



The Need For Pure Helium and Freelium: Health Care

“Magnetic resonance imaging (MRI) is widely used in healthcare to create non-x-ray based and extremely clear pictures of the human body. This technique requires very large magnetic fields that shift the location of the actual cells in the body very slightly and once the field is gone the MRI machine measures movement as the cells



travel back to their original location. The only viable source for this type of magnetic field requires a super conducting magnet whose average temperature has been stabilized near 0 Degrees Kelvin. This process is called cryostat.

Fun Fact: Nitrogen is not a viable alternative because it is not cold enough. Nitrogen’s lowest sitting temperature is 77 Degrees Kelvin.

Helium Providers

APD:	Air products and Chemicals Inc
AIQUY:	Air Liquide
LIN:	Merger of Companies Linde and Praxair
GE:	GE Healthcare

Helium Consumers w/ Dividends

GLW	(Corning)	0.20 per share
APTV	(Delphi)	0.22 per share
DLPH	(Delphi)	0.17 per share
ALV	(Autoliv)	0.62 per share

That's a nice piece of Glass: Fiber Optics, Tech, & Helium Consumers

The high-speed Internet service everyone has grown to love would not be possible without helium. The fiber optic cables that carry Internet and cable TV services have to be manufactured in a pure helium atmosphere in order to ensure air bubbles will not get trapped inside the cables.

And because helium can diffuse quickly, helium is the gas of choice for effecting the near instantaneous deployment of airbags in cars.



Computer hard drives featuring dramatically improved storage capacities are also reliant on helium. Helium filled hard drives are starting to replace air filled hard drives, primarily because they offer 50% higher storage capacity and require 23% less power when operating.

One of the more prevalent uses of helium comes in the production of semiconductor chips. Phones, TVs, computers, tablets...if a device contains a chip, it would not be possible without the helium used at different stages in the production process.

The Road to The White House

If the United States was a business, it would be a very successful one. Every successful business depends on one key element besides a good product and that's cashflow. Cashflow is the total amount of money being transferred into and out of a business, especially as it affects liquidity.

A business can not grow without cashflow, because it will not have the resources it needs to flourish. The same is true for candidates running for president.

On the Republican ticket, Donald Trump has raised over 100 million dollars for his 2020 campaign for the presidency William Weld is also vying for the Republican nomination. On the Democratic ticket: Bernie Sanders has raised close to 25 Million dollars.

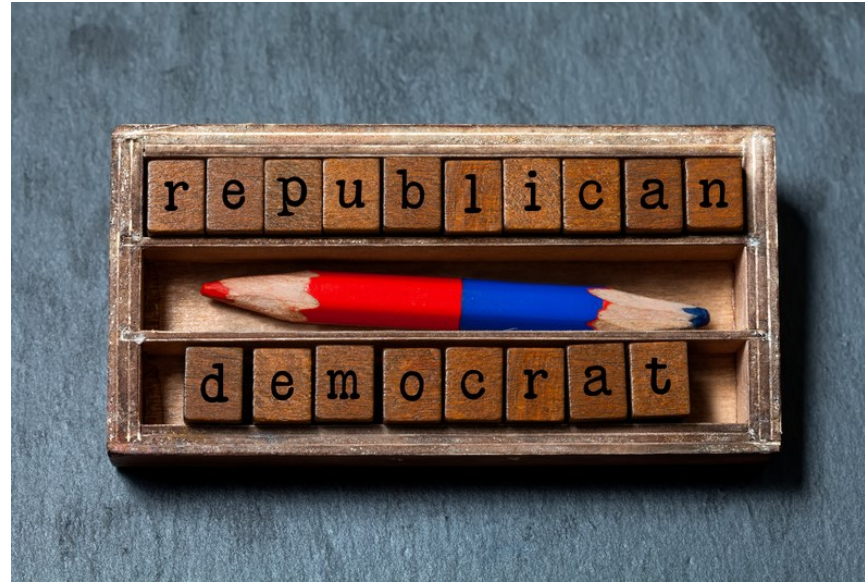
However, when money is no object, it boils down to a popularity contest. But what if popularity is not enough.



For the Democratic ticket, there are over 20 candidates seeking the nomination. Leading the pack is Joe Biden, Bernie Sanders, Elizabeth Warren, and John Delaney to name a few.

The 2016 election results are still in debate amongst the democratic party because although President Donald Trump did win the electoral college vote, he did not win the popular vote. Which means overall more people voted for Hillary Clinton but there were not enough votes in the right places to win each state's electoral college votes.

Vote: It's Your Right, Your Privilege, Your Duty



Because of this, the democratic party has been out campaigning asking citizens to register to vote, and reminding them of their need to vote in order to be heard.

In retrospect, voters and voter registration have steadily declined among both parties over the last decade as the population continues to grow. In 2010, there were over 74 million people in the US that were under the age of 18. 112 Million between the age of 18-44 and another 82 million between the ages of 45-64. That's over **280 Million** people. However, during the 2016 election only **128 Million** votes were cast. This means that less than half of the United States population that were **entitled** to vote **did vote**.

The Foundation for Defense of Democracies: Cryptocurrency Turf War

Since the 1800s the United States Dollar has been “The Currency” to depend upon. So much that even global cryptocurrencies seek to have their currency backed by the US dollar. Almost every country’s fiat currency also seeks monetary validation against the US dollar.

However, efforts are underway around the world to build new systems for transferring value that work outside of this conventional banking infrastructure. At the moment, blockchain platforms are experimental and small in scale compared to the conventional financial system, but they are evolving quickly. Blockchain technology may be the innovation that enables U.S. adversaries for the first time to operate entire economies outside the U.S.-led financial system. Therefore, these governments are prioritizing blockchain technology as a

key component of their efforts to counter U.S. financial power. China, Iran, and Venezuela, seek to develop alternative payment systems for global commerce. They have even gone so far as to restrict their citizens’ access to existing cryptocurrencies as they continue to explore a state-backed digital currency.

Venezuela ICO: Petro

China ICO: TBA

Iran ICO: TBA



Meanwhile in Third world Countries... A Cryptocurrency Turf War

Cryptocurrency is on the rise. Ethereum has a stable coin behind it: DAI. DAI is slowly being introduced in third world countries as a test bed or proof of concept. DAI is backed by the US dollar and is a masterpiece of game theory that carefully balances economic incentives with human needs.

In the pilot, named “UnBlocked Cash”, 200 residents in the villages of Pango and Mele Maat on the island of Efate were given tap-and-pay cards, each loaded with about 4,000 vatu (\$50) in DAI. The cards could be used for payments across a network of local stores and schools; 32 vendors in total.

The vendors, in turn, were provided with Android smartphones with an app allowing them to accept such payments, being able to redeem DAI for fiat currency via Sempo or at other crypto exchanges if they so choose.



Country Or Company: Cryptocurrency Turf War



FB - Libra

Designed to be a global currency with the potential to purchase and disrupt a country's monetary policy. Even with a 10% adoption rate, global regulators will need to do their due diligence to ward off a cryptocurrency hostile take over.

AAPL - “Cryptographic” Development Tools

Set to be released in the version 13 of iOS. Apple's CryptoKit was announced on June 5th 2019. These new tools will allow Apple to store and leverage the use of cryptocurrency directly on the mobile device

AMZN - ClicPay and Plasma Cash

ClicPay will enable Amazon shoppers to buy and sell products directly with Ethereum

Plasma Cash will drastically accelerate the speed of Ethereum transactions; which will also make it a more viable alternative when using cash or credit.

Arbitrage Trade's Windows of Opportunity

Since no 2 investors are created equal; it is important to note that no 2 Windows of Opportunity are equal. In this issue, we would like to stress the importance of staying within a window of profit. For example. If an alert *presents* itself on the daily time frame do *not* use the minute time frame to decide when to take profit! In this illustration, *an* entry in early May of 2019 would have *provided* over a 100% return on investment within a 3 month Window of Opportunity; taking Ethereum from \$151 to \$360 per coin.



Inversely, the smaller the time frame played upon the more agile the investor must be. This is a 3 day Window of Opportunity using a minute chart. It triggered a sell opportunity on Ethereum near 8 p.m. CST with a coin price of \$275. and a rebuy alert at \$268 the very next day. The biggest take away when using the Windows of Opportunity is use the LARGEST band on the smallest time frame to maximize profits if day / swing trading and use the smallest band possible on the LARGEST time frame. For example, for all investments we recommend using the Arbitrage Band on the weekly chart, for 1-2 year trades.



Ethereum Investment Example:

Arbitrage called the exit of Ethereum at \$662 per coin on June 4th 2018 on the weekly chart. For 11 months, no other opportunities to buy again were presented on this time scale. The longer time scale always wins so it is important to lock in profits to maintain cash and cash flow for other opportunities.

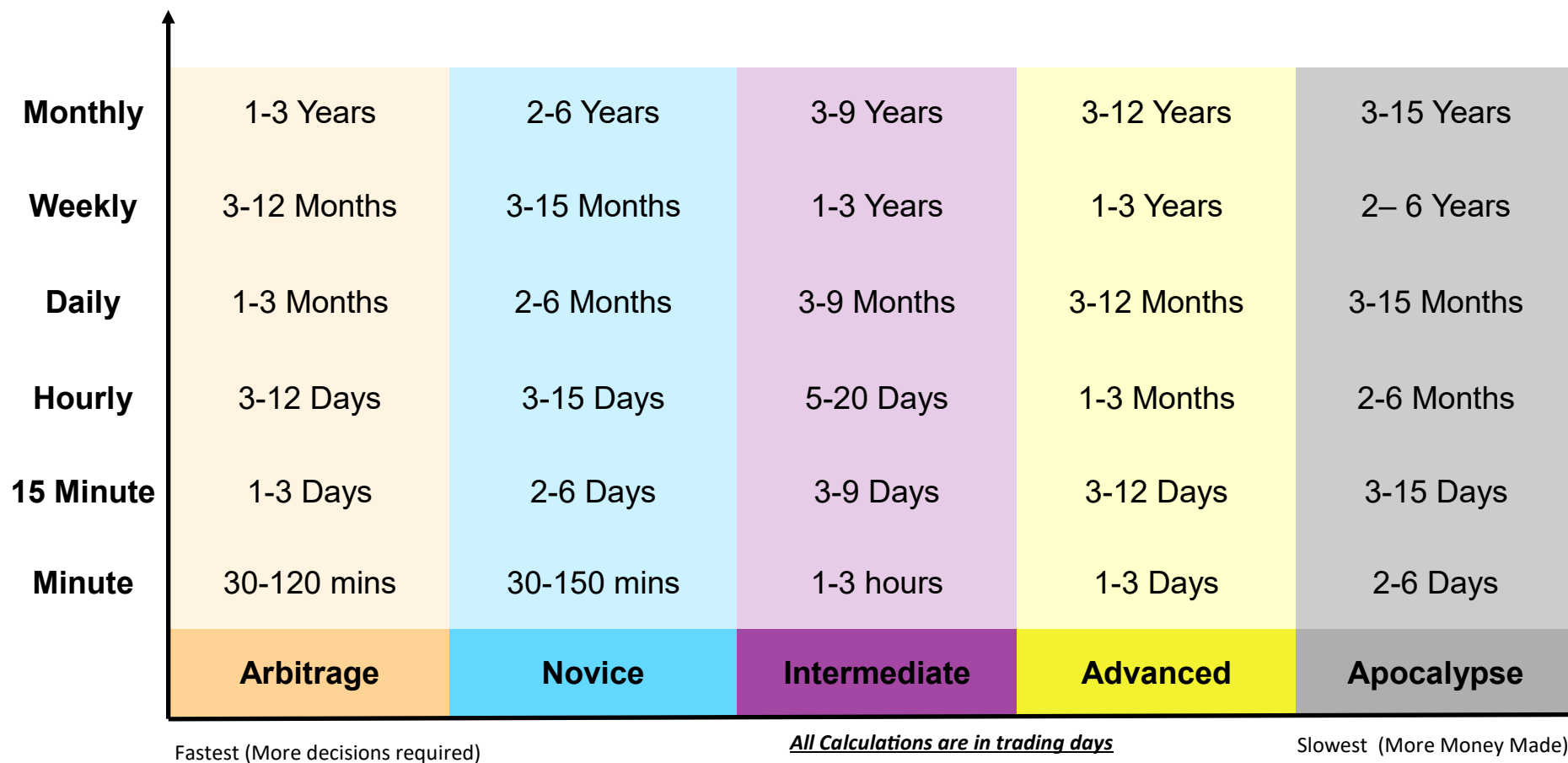


Ethereum Investment Example:

Arbitrage called the entrance on Ethereum on May 6th 2019 at \$157 per coin. For 11 months, that money could have been in another investment. For everything there is an opportunity cost; so failing to take profit within a Window of Opportunity can cost you both time and money. In this scenario, the person who held is still negative on their investment over 1 year later.



Arbitrage Trade™ Windows Of Opportunity



A Take Profit & Loss Analysis



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Entry And Exit Strategies

Strategy	Atlas	Omega	The Bands
Aggressive	Black Dot/Yellow Dot	Omega equals 0 or 1	Candle leaves outside all the bands
Moderate	Relative Lows and Highs	Cross over Red Line (Buy Signal) Cross under Green Line (Sell Signal)	Compass crosses Momentum line
Conservative	Band Changes Color	Cross over Middle Yellow (Buy) Cross Under Middle Yellow (Sell)	Compass crosses RSI Line

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