

Our Vision

- Our Vision is to help you discover “*how to live your best life*” in a confusing and complex World. To find meaning, purpose, and the spirit to live by your values and not by those imposed on you by faceless men and governments.
- We believe that with the right information, knowledge and direction, you can work through this maze with us to find the peace and the financial freedom you desire.
- Through our de-conditioning empowering practices and with the guidance we provide, you can make the right decisions and join us to help build together the World we want to live in and for future generations to enjoy.
- We must decide to face the challenges now, before the opportunity is taken away from us by others and it’s just too late. History gives us too many examples of how the few have been able to influence the many. Hitler controlled the narrative of an entire nation and was able to change ordinary everyday workers into killers in a very short period of time. Those who resisted knew their fate and often fell into line through fear.

Return the Power to the People!

We are being inundated with more information than ever before. While at the same time we are being deprived of the truth and kept in the dark more than ever.

With the rise of the internet, come problems that we never could have imagined. The ability to manipulate, to delete, and control all our information using social and financial influence.

We spend hours each day just trying to separate the wood from the trees. It is an impossible task. The owners of the various platforms don’t help the situation, as they censor, redact or delete so much.

These problems are not local, they are being experienced globally. Trying to stay on top of exactly what is happening, on the ground around the World is time consuming and often futile. We offer a Global approach, building our

networks continually. Bringing you news from around the World, backed by research and true fact checking. The real sort, not CNN.

“In a nutshell the Elites believe we need to reset our future by significant depopulation. They are actively doing this through the control of Governments.

By proxy they control

- *Global Finances*
- *Police and Military*
- *Education*
- *Energy sources and distribution*
- *World's Food sources*
- *Health services and distribution*

In plain terms, the following have occurred or are being implemented around the globe:

- Reduction of the Food Bowl – so we will compete for food
- Meat supplies in production and farming are being shut down by disease or arson.
- Availability of clean water is declining
- **Move away from currency and cash money so the Government has tighter control (CBDCs incoming!)**
- Government legislation changes so Government can take money from personal accounts (bail-ins) to sure up banks and the Government spending
- Take control of people's homes, as in a Socialist Government
- Control all branches of Law and Order, including the High Courts and Judges, the Military Officers, all Political players from National to local.
- Private police employed by countries with no accountability but applying strongarm tactics
- Defund traditional Police forces
- Decriminalise society, allow offenders less jail time
- Promote borderless countries, so people lose their sense of National Pride
- Allow rules generally to be fluid, depending on the daily view, to destabilise society
- Continue to set the education agenda to engage with our children's naivety on issues and their well being

- Destroying the family unit
- Continue to make sure parents' rights are limited in the school environment
- Reduction of an energy supply of base load power, instead to supply "clean" energy in the name of climate change which will not meet current or future demands.
- Shut down power supplies and distribution networks, which impact all aspects of our various economies.
- Continue to fund Covid type research (gain-of-function) for further de-population implementation
- Use powerful new drugs to kill people globally in the name of vaccines
- Distribute drugs to deliver infertility to countries who have large populations
- Stop the use of drugs which have proven results
- Maximise profits of the drugs needed by millions to combat disease with private business and Governments acting in unison.
- Target Medical professionals, including Doctors, Nurses and Pharmacists who do not comply with Government Guidelines on treatment and medication plans
- Defund Hospitals who do not comply and fund those who do so they will continue to support Government rules.
- Use warmongering to imbed fear globally, by being aggressive and funding foreign countries with their war effort e.g., Ukraine. Continue to prop up the USA Military industrial machine by getting involved (an arms dealer said that most USA arms manufacturers had closed)
- Close borders and close State borders to Prevent Capital moving outside borders.
- Government control of day-to-day issues - as to make society more compliant, getting used to having no individual rights

Power to the People!







Unfortunately for some, but fortunately for us (members and subscribers), we realise that *with great power comes great responsibility* (the ability to act adequately to what is, not what was or what should be) and our voluntary acceptance of accountability for our actions and their results always be in sync with our principles.

In this project, we share with you that we have learned so from our financial experiences and work in the profession, as well as from an employee's perspective, an entrepreneur, and as a free human being. We hope to be an inspiration and contributor to your own path of meaning and truth, and that some of our insights serve you well.

To freedom and prosperity!

What do our subscribers get?

'The right information at the right time can be the difference between success & failure'

 Newsletters Our Newsletters are filled with all the essential information you need to ensure you keep one step ahead of the game. With stock market insights and analysis, cryptocurrency market coverage and insights to new and exciting projects, as well as everything you need to know about surviving and prospering into the new world that lies ahead.	 Exclusive Reports Premium & VIP subscribers will have access to all future reports we publish long before anyone else, as well as any ebooks we publish over the length of your subscription.	 Stock Portfolio Gain access to our Stock Portfolio and recommendations. Let us do the research, analysis and hard work so you don't need to. Keep track of what we are doing and when we do it.
 Crypto Portfolio Gain access to our crypto portfolios and recommendations. With over a decade of experience in the crypto space, we have some of the best insights into where the cryptocurrency space is heading and where the big money is heading.	 Market Updates VIP Subscribers will get regular market updates as they happen. With access to our VIP Element group and alerts, we will keep you updated with what you need to know, when you need to know it.	 Discounted 1-on-1 Consultations Premium subscribers will get 10% off all one-on-one consultations with us and VIP subscribers get a massive 20% off. Discounts apply for as many consultations as you want for the length of your subscription.

You can find out more about our subscription services [HERE](#)

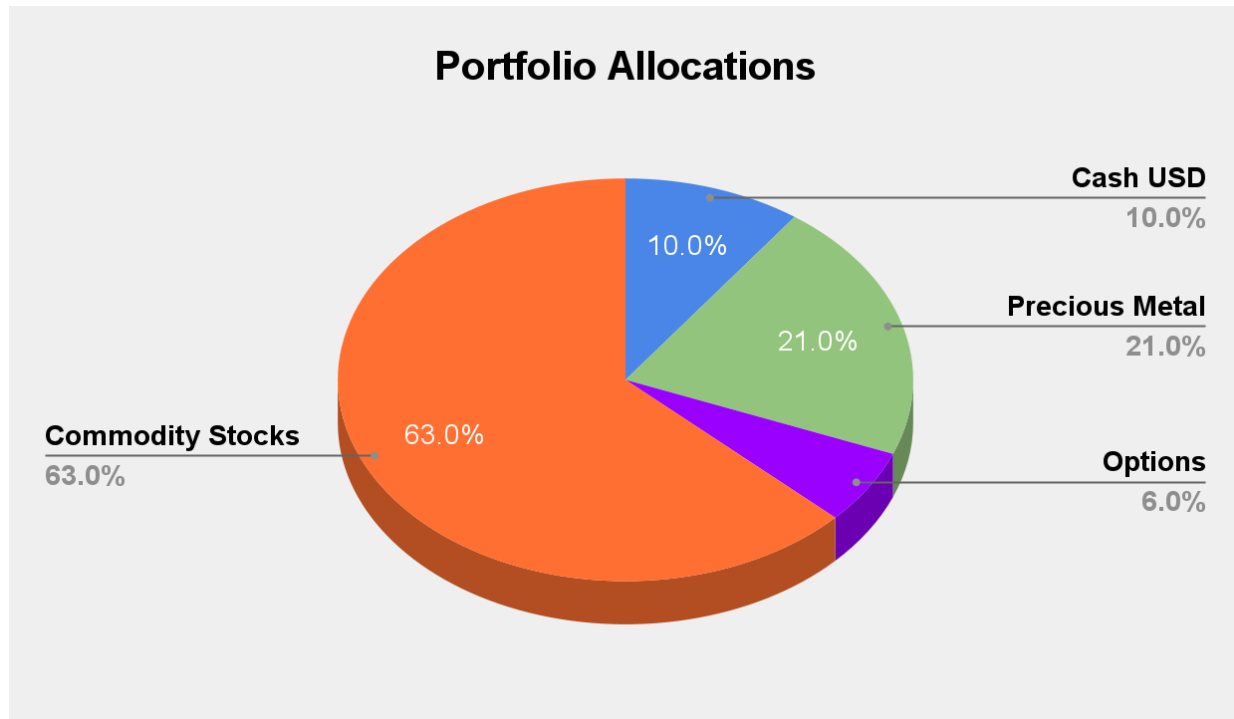
3, Feb, 2023

...FREE Edition...

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1. Portfolio Allocations by Kurt Corthout



No change compared to our latest VIP mid-month issue.

We remain bullish on:

- Energy and Agriculture
- Brent Crude Oil, WTI Crude Oil, Natural Gas, Coal
- The Grains (Corn, Wheat)
- The Tankers (product tankers)
- *And Precious Metals*

Fertiliser companies (affected by Energy and demand for food which is not dropping as fast as the supply is being destroyed)

Here is a view of how your stock portfolio *could* be performing (depending on which stocks you bought at which price and the % you allocated to each position).

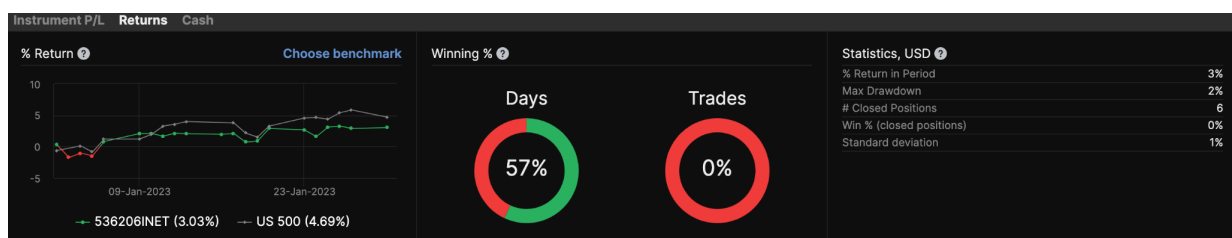
This is my personal stock performance, using *our* stock-portfolio as inspiration.

Currently, we are lagging the S&P 500 by about 4% because we have put out some hedges to protect us from a market meltdown. For now, that has turned out to be a bit too premature. But like any insurance, one day after calamity hits, you can't get the necessary insurance anymore.

So, we are not concerned and are just more careful than the overall markets here. Our QQQ puts lost a sizeable chunk of their valuation but they still run until March, so we hold, and in case of a market melt-up we will add to our hedges with longer dated maturity puts (think June 2023).

We have experienced a steep rise in the overall market, which *may* now come to an end. We plan to add to our hedges, but with an expiry in June or July 2023.

Yes, we are not performing as well as the S&P 500 for now, but, if we do see a correction unfold over the next 1 to 5 months, our hedges will help us to beat this tough market once again.



2. Our World Today by Kurt Corthout


"I don't know why we are here, but I'm pretty sure that it is not in order to enjoy ourselves."


"The world breaks everyone and afterward many are strong at the broken places."


ERNEST HEMINGWAY

In Case You Missed it


First, here is an overview of some major news events over the past two weeks, hat-tip to [Redacted](#).

 The FAA [says that](#) last week's system outage was caused by a contractor who accidentally deleted important files. Every domestic flight was grounded as a result.

 The Supreme Court [says that](#) it was not able to identify the person who leaked the draft opinion of the court's ruling that overturned abortion laws in the U.S.

 Ukrainian President Zelensky [says he](#) won't negotiate with Russian President Putin because he's not even sure if Putin is alive anymore.

 Thousands of people clashed with police in Peru [to protest](#) the government and new President Dina Boluarte.

 Former Vice President Al Gore appeared at the WEF in Davos and [claimed](#) greenhouse gases are trapping as much heat as "600,000 Hiroshima class atomic bombs every single day on Earth." It looks like he said this with a straight face.

Monday 23rd

💰 U.S. Congress will have to scramble this week to [raise the debt ceiling](#) if it is to avoid defaulting on debt payments.

🇫🇷 Over 1 million people [protested](#) an increased retirement age in France this weekend.

🇵🇪 Peru has [closed off Machu Picchu](#) as the government protests spread outside of the capital.

🇵🇰 Approximately 220 million people in Pakistan are [without power](#) due to an “widespread breakdown in the power system.”

🇨🇳 China [reports that](#) Covid has “already infected about 80%” of its population.

🇸🇾 The U.S. carried out airstrikes in Syria and [claimed to](#) have killed at least 30 Al-Shabaab fighters.

🇹🇷 Turkey has moved its Presidential election [up a month](#).

Tuesday 24th

🇺🇸 House Speaker Kevin McCarthy may pick up the drama with China where Nancy Pelosi left off with a [planned trip to Taiwan](#).

🇪🇺 The European Union has agreed to send an additional [500 million Euros](#) to Ukraine.

🇺🇦 Several senior Ukrainian officials [resigned on Tuesday](#) in what some are calling a corruption scandal.

🇫🇮 Finland [may apply to NATO](#) without Sweden if Turkey continues to oppose Sweden’s application.




🇲🇽 The U.S. has [“grave concerns”](#) that Mexico will go ahead with its ban on genetically modified corn for human consumption.

Wednesday 25th









📺 Rumble is currently under a [major cyber attack](#) known as a DDOS attack. I guess someone doesn't like free speech! By the way, you can catch their full live Redacted show [right here](#) on Rumble if you dare.

🇯🇵 Japan is experiencing a "once-in-a-decade" [blizzard](#).




💻 A watchdog group in the U.S. [filed a](#) Freedom of Information Act lawsuit to obtain documents about the FBI's decision to suppress the Hunter Biden laptop story.

-  The U.S. Justice Department is [suing Google](#) for anti-competitive practices in its ad business.
-  The United Nations is [pushing for](#) military deployment in Haiti.
-  California proposed a [new tax](#) that would tax wealthy people who have long since left California. Basically a penalty for leaving the state.

Thursday 26th

-  Portugal announced it's getting in on the tank action and [sending](#) Leopard tanks to Ukraine.
-  Caving to pressure from the United States, Germany now says it's sending [Leopard tanks](#) to Ukraine.
-  Germany's foreign minister [admitted](#) yesterday that Germany is at war with Russia. The last time that happened things didn't end well.
-  Banks in Argentina have [more cash than they can handle](#) after the currency has plummeted in value.
-  Tesla [announced record profits](#) of \$3.7 billion, up 59% from a year earlier.
-  Did Ukraine hack Russian TV? [Reports are](#) that President Zelensky appeared on live Russian TV for a few minutes on Wednesday.
-  France [announced that](#) it would withdraw troops from Burkina Faso.
-  Ukraine has admitted defeat and has [withdrawn troops](#) from Soledar, conceding defeat in that key battleground.

Friday 27th

-  Many layoffs were announced this week. Among them:
- Dow Inc. is [laying off](#) 2,000 people but the Dow [was up](#) 200 points.
 - SAP will [lay off](#) 3,000 people.
 - Hasbro [will lay](#) off 1,000 people.
 - IBM [will lay](#) off 3,900 people.
-  Chipotle says they're hiring 15,000 people for what they're calling '[burrito season](#)'.
-  The U.S. economy still managed [to report](#) a 2.9% growth in the last quarter of 2022.

🇺🇸 The IMF is readying a new \$16 billion dollar aid package to Ukraine.

💉 The CDC [says](#) it is still investigating the link between the risk of stroke and the bivalent vaccine.

Monday 30th



🇦🇺 Australia [has misplaced](#) a radioactive capsule, and authorities are looking for it along a 1,400-kilometer stretch of land. It's smaller than a coin.

🇫🇷 Energy strike workers in France have arranged for schools, hospitals, and low-income homes to [receive free power](#) as an act of Robin Hood-like rebellion.

🇺🇸 The U.S. will increase its military presence in Asia with a [new base in Guam](#).

🇮🇱 U.S. Secretary of State Antony Blinken [will meet with leaders](#) in Israel today to attempt to de-escalate violence in the Israeli-Palestinian conflict.

🇮🇷 Israel launched [a drone strike](#) in Iran but Iran says that it was able to fend it off.

As one can probably notice, it is getting harder to keep up with everything that is happening around the globe, and it seems like the usual culprits are speeding up their agenda.

One reason might be that now, the whole Davos Elite and their 3rd Reich '4th Industrial Revolution' agenda, risks getting exposed. Watch here how Pfizer admits they may be behind the whole plandemic, and what they are working on right now, from the horse's mouth:


[Project Veritas has broken Pfizer's Gain-of-Function Research Program Wide Open.](#)

Here is [how Pfizer answered.](#) (basically, major censorship in collaboration with Big Tech and MainStream Media)

Although this is very serious, what might be even more serious is NATO, Germany and the IMF, using acts of war against Russia and instead of starting peace talks, are sending more weapons to escalate the situation to The Ukraine.

In addition, as you read in the headlines above, [Germany's foreign minister admitted yesterday that Germany is at war with Russia.](#) The last time that happened things indeed didn't end well.

The US is sending tanks through the UK. And [this is Russia's reaction.](#)

Now, I do want to end this overview of 'Our World Today' with an important observation of John Nolan from [Inspired](#) in this video  [AUDIO STARTS AT 6:20 - It's Becoming Clearer Now...](#)

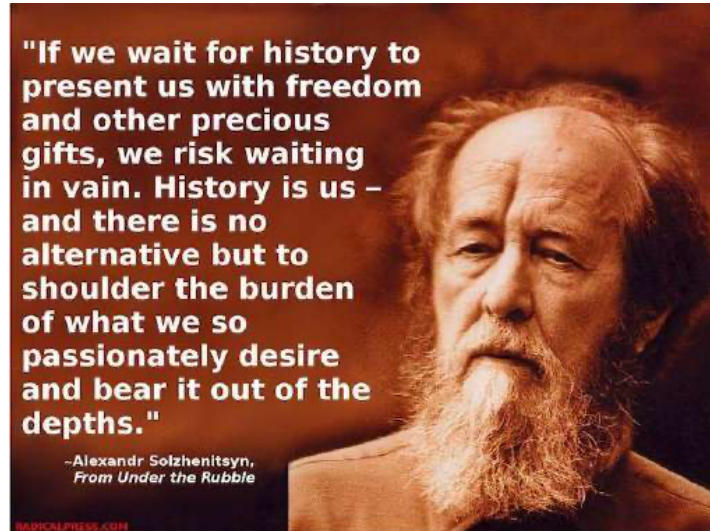
Basically, where attention goes, energy flows. Every thought and word has a frequency. With that in mind, invest your energy in imagining the future you want to have and speaking your truth.♥ Envision vividly, which world you want for your loved ones and then reverse engineer it!

Also, there is positive news from Thailand. They may become the first country to declare the Pfizer contract 'Null and Void' since the Royal family has their daughter (40) now in coma a bit more than 20 days after taking a booster. [The Royal family has now talked with an awake professor.](#) So, the tide may be turning, although slowly...

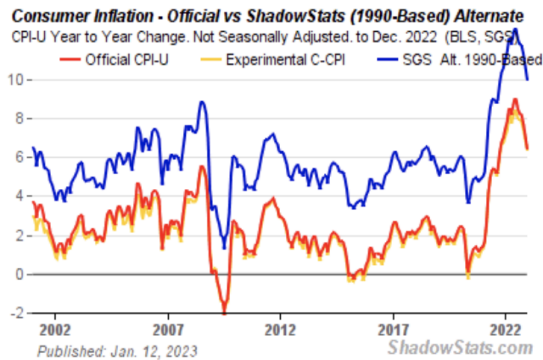
More ideas to push back, in this instance, push back against the Food Tyrants, [you can read this article from James Corbett.](#)

"Always do right. This will gratify some people and astonish the rest."

-Mark Twain



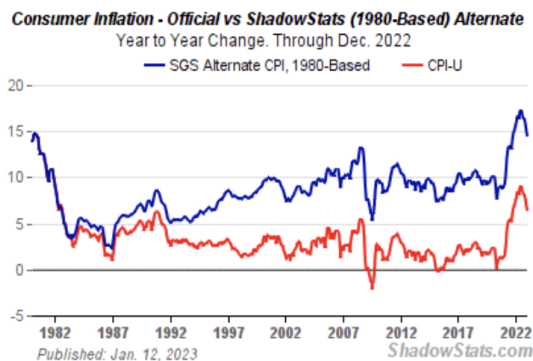
3. The Macro Picture by Kurt Corthout



Inflation....

No change, except from a temporary and transitory correction in Oil/Energy prices.

Source: [Shadowstats](https://shadowstats.com)



We may be in for a temporary disinflationary environment. Especially if we get confronted with another demand destruction event (like a Cyber-attack, Nuclear war, Climate hysteria and the policies that may soon follow to 'fight the climate change'.

Longer term, we think we will see inflation pick up again (central banks further devaluing their currencies and creating more gigantic monetary debt).

Unemployment

Mainstream wants you to believe the jobs market is sizzling, while at the same time [Amazon has announced first 10 then 12 and now a layoff to the size of 18.000 people.](#)

If you think that is bad, consider that before the pandemic and all stimulus was launched during 2020-2021 they counted 'only' for a workforce of about 800.000 people and now, before the 18.000 layoff count for more than 1.600.000 people!

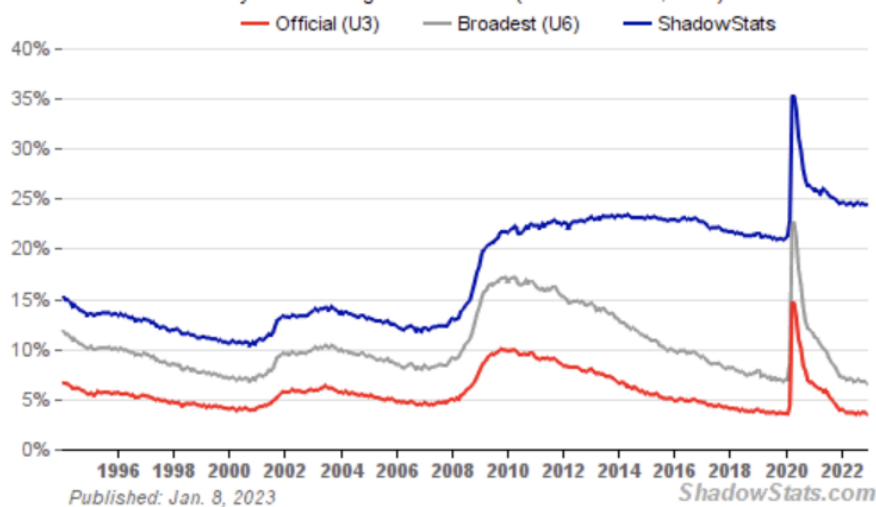
And as mentioned before:

- Dow Inc. is [laying off](#) 2,000 people but the Dow [was up](#) 200 points.
- SAP will [lay off](#) 3,000 people.
- Hasbro [will lay](#) off 1,000 people.
- IBM [will lay](#) off 3,900 people.

Dec 2022 ShadowStats Alternate Unemployment held at 24.4% on top of U.6 declining to 6.5% from 6.7%

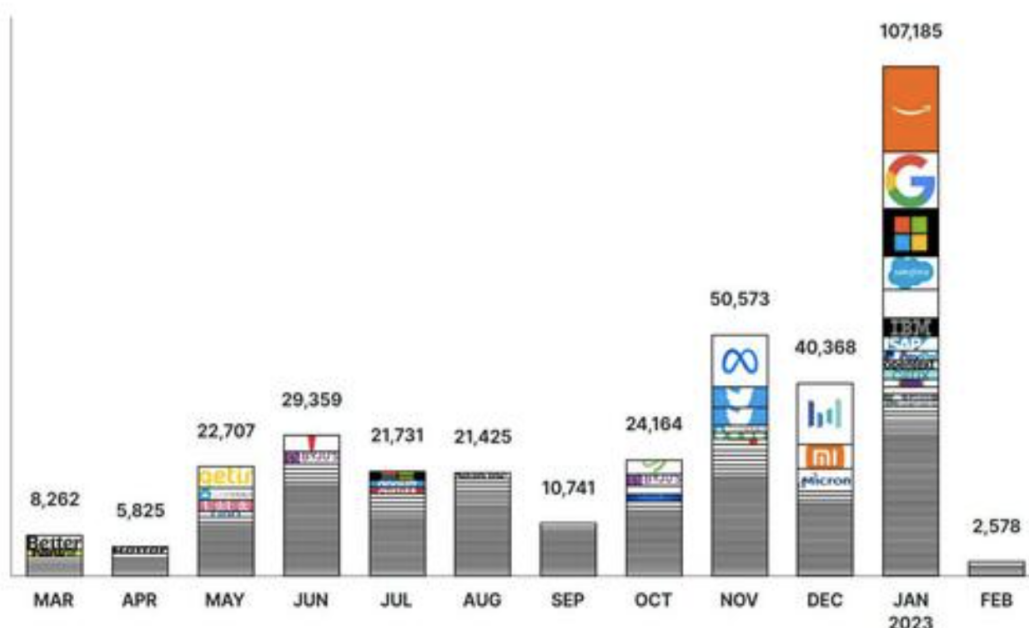
Unemployment Rate - Official (U-3 & U-6) vs ShadowStats Alternate

Monthly SA. Through Dec. 2022 (ShadowStats, BLS)



of Tech Employees Let Go

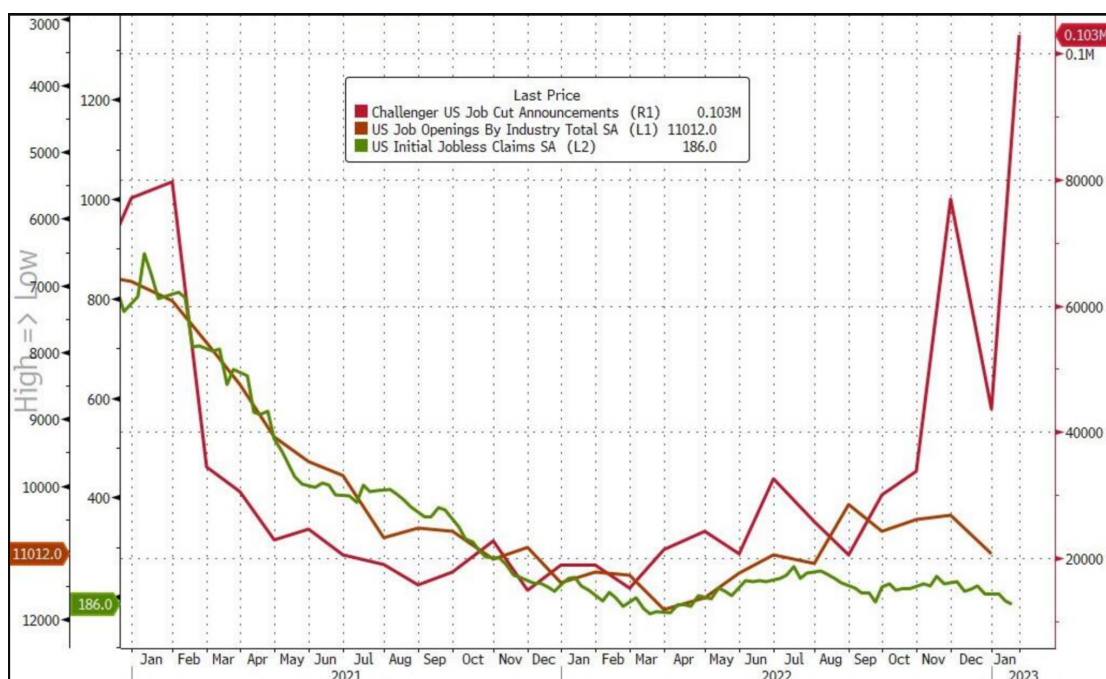
as of February 2, 2023



As you can see, although the markets recently went North, this may turn soon. How soon is everyone's guess. Therefore, we keep cash aside and keep putting out some hedges.

My best guess is that before the first half of this year is over, mainstream will have recognised too that we have entered a recession. Earnings season has just started and it does not look good. So far, both Alphabet and Amazon have reported disappointing numbers.

Can you spot the Odd one out?



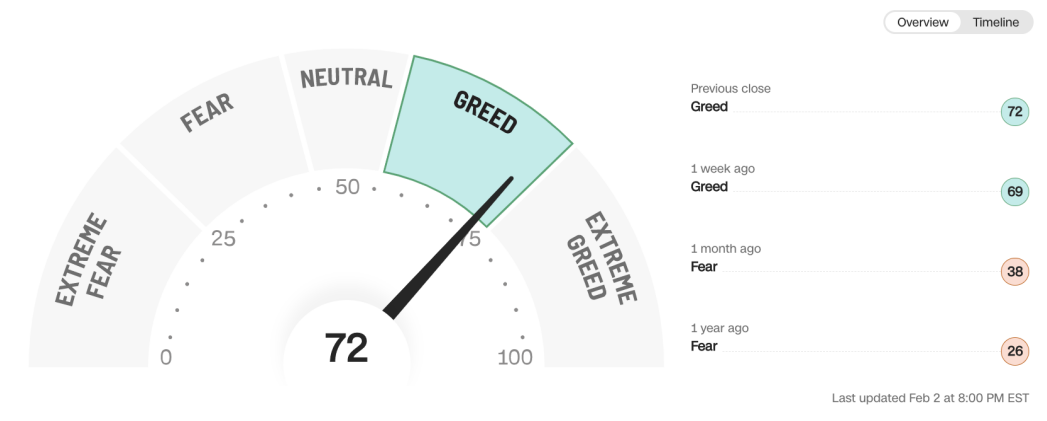
Source: [Zerohedge](https://www.zerohedge.com/markets/us-job-openings)

Fear

We are back to Greed in the overall markets.

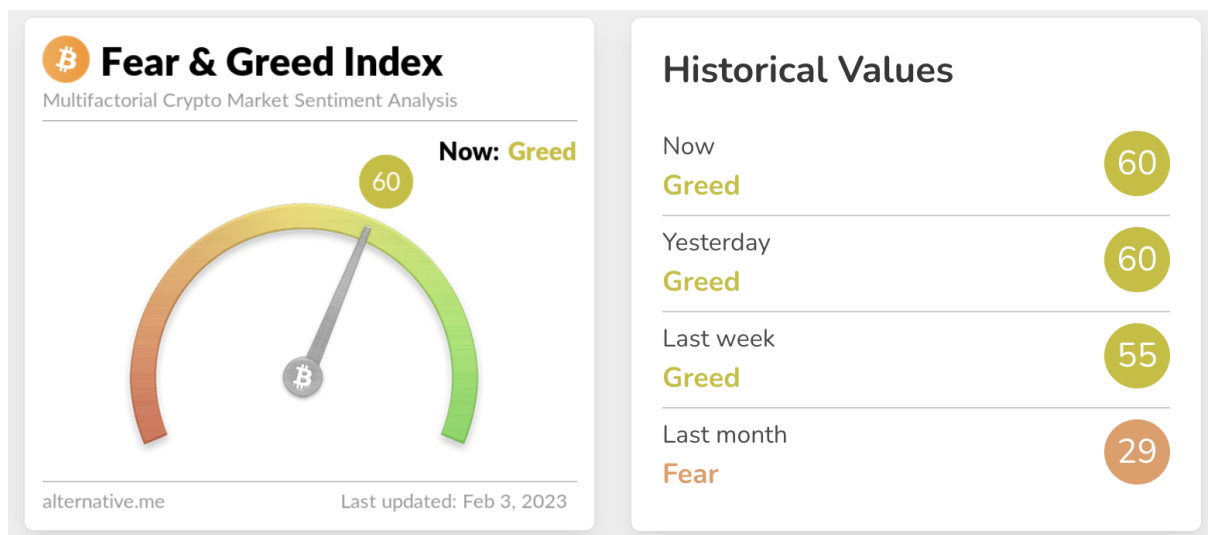
Fear & Greed Index

What emotion is driving the market now?
[Learn more about the index](#)



Source: [CNN](#)

The Alternative Fear and Greed Index is back in the Greed zone too. Both indicators show signs of optimism, which in our opinion may be misplaced.

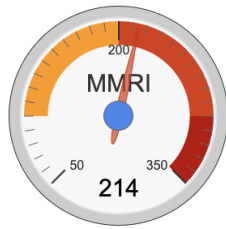


Source: [Alternative](#)

Gregory [Mannarino's Market Risk Indicator](#) has given back a bit, again showing optimism.

MMRI - Mannarino Market Risk Indicator

MMRI is a powerful tool for gauging stock market risk. Developed by financial analyst and trader Gregory Mannarino, the MMRI uses a simple formula to calculate a risk score for the stock market.



MMRI: 214
DXY: 101.84
US10Y: 3.38

The formula MMRI is: $DXY * US10Y / 1.61$

50-100 = **LOW RISK**
100-200 = **MODERATE RISK**
200-300 = **HIGH RISK**
300+ = **EXTREME RISK**

Tracking the Market: A Look at Historical MMRI Values

This graph displays the daily MMRI values for the past year. It provides a clear picture of how the indicator has fluctuated over time and can be used to analyze market conditions.



The 10-year US Treasury is picking up again, although not convincingly yet. We may have to wait for 1-2 February to see whether the trend is changing.

US Treasury up, USD up, markets down?



We still have yield curve inversion. This means that the short-term interest is higher than the long-term interest on US Bonds.

This often has been a sign of a recession ahead. [Which one can even read on the website of the WEF.](#)

A great explanation of what this might really mean can be found in [the following video from George Gammon on the topic.](#)

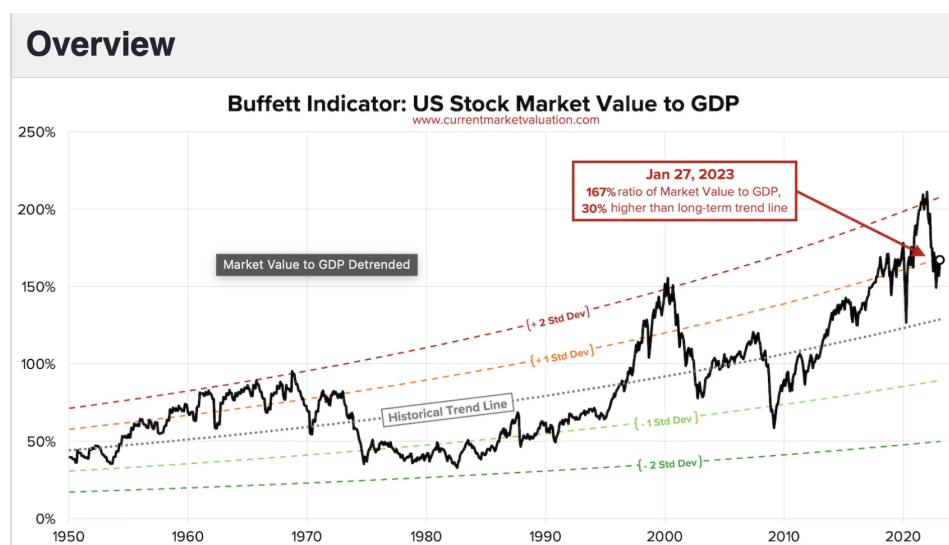
The **Buffet Indicator** is **still showing trouble ahead**. Although the overvaluation has dropped, we are still 30% higher than the long-term trend line.

Markets exaggerate in both ways, so a more significant drop is still on the cards. My best guess is that this will happen (a drop) in early 2023, maybe as soon as tomorrow. The FED is now tightening in the middle of a recession, a lot of companies are laying off people and earnings season may disappoint.

Personally, I expect the tightening to continue until the market crashes like 15% in a few days. After that, we may see a pause, or a more dovish stance, which may not be sufficient to stabilise the markets. I would expect more government spending in select sectors and hence select stocks.

The stocks and sectors to profit will probably be the ones which are needed as part of the 'Build Back Better Scheme' (also called 'The Green New Deal', which as we know here is not green at all).

The good news is that this will artificially pump demand for commodities, the ones we have in our portfolio, from energy to battery metals and uranium to food.



Source: [Buffett indicator](#)

Commodities

Commodities are consolidating.



We believe that the next leg up will start soon though, although some overall market weakness may be on the cards (especially in the case of a surprise rate hike by the Fed or any demand destruction event).

Therefore, we have our hedges still in play and are planning to add some more, with a longer duration (say June or July 2023).

The weekly MACD is building a buy signal, although it has not materialised yet.

Precious Metals – Gold



Gold has been on a tier, and may continue a bit higher in the short term. I was expecting gold to be around 1900-2000 USD.

We are now in that area and to me, it seems topy.

Short term we can expect a pullback (again, this could easily happen if we go into a PAN-sell off, driven by the bond market).

All fundamentals (for Precious Metals) look great though, but I think that is for the time being, priced in. Sentiment feels a bit too optimistic right now. I would not buy here but wait for a correction before adding to positions.

Precious Metals – Silver



Silver is showing signs of technical weakness here and, like gold, may be in for a correction. We sold half of our silver mining stocks 2 weeks ago and are happy to be in cash, in order to buy back better, later.



The **Gold to Silver** ratio has been rising since recently. Silver tends to move faster to the downside in a correction. Creating buying opportunities further down the curve.

Looking at the different commodity sectors, the **most attractive** to me still are:

- Energy (Oil, Natural Gas, Coal and Uranium)
- **Timber**
- The Grains (Corn, Wheat)
- Sugar and Coffee
- Shipping (Product tankers)
- Precious Metals (Silver, Gold, Platinum and Palladium)

Summary

As mentioned over the past few weeks. We still think it is wise to take some profits off the table and build some cash to buy back lower or buy into new opportunities in the commodity area.

For now, the January bounce has turned out to possibly become the perfect bear market rally (a bull-trap), before a potential pan-sell-off which I expect in Q1 2023. The sell-off may be due to the real economic picture becoming clearer (we are in a recession and staving off towards full-blown depression). Reasons for a potential sell-off:

- Disappointing earnings
- Layoffs
- Climate Change hysteria
- Geopolitical trouble (China-Taiwan, China-USA, Russia-Ukraine, Trouble in the Middle East, a 'Cyber-attack', a new scandemic ... or any other real or false-flag like
- A major debt default
- Banking crisis (bond market trouble)

So, where are the markets now?

My best guess is still depicted in the following picture.



4. You ask, AI answers... Subjectively! by Kurt Corthout

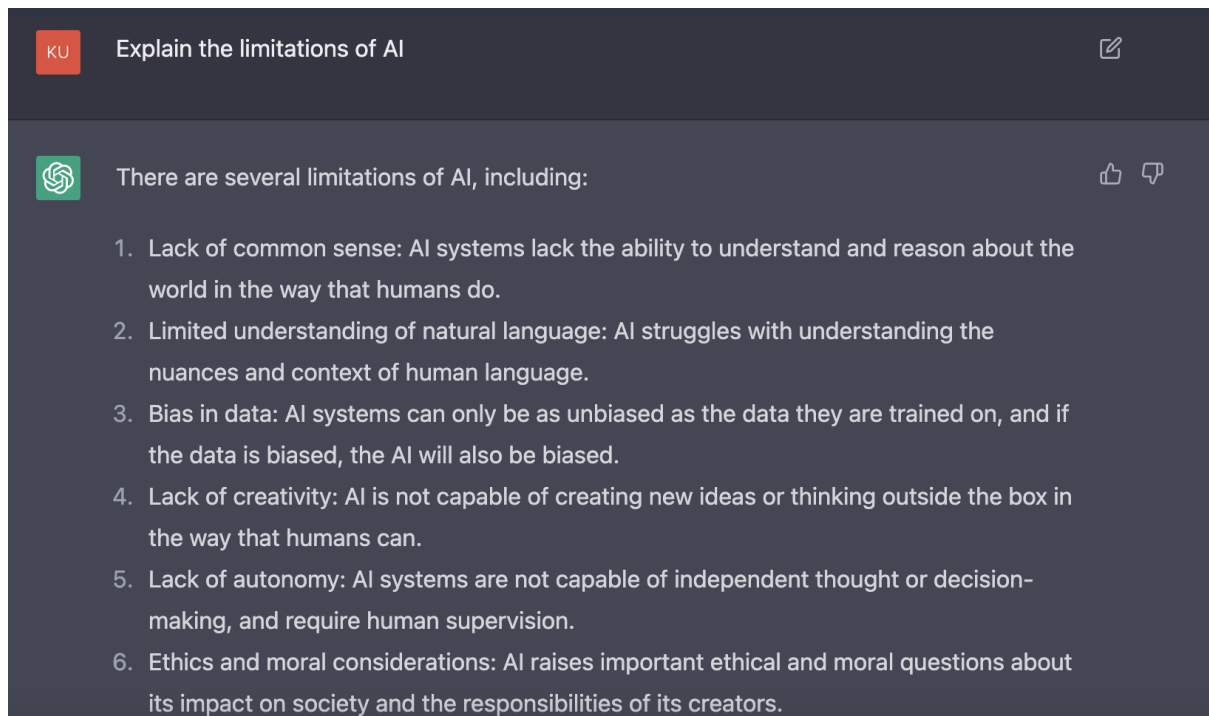
You have probably noticed the hype around AI, it's hard not to have.

We may think of all the benefits, like:

- Have AI program code for you
- Have AI create art based on your description
- Have it create copy for your website, articles
- Have it create a logical outline for an e-Book
- Have it create movies
- Let it create lyrics for 'your' new songs
- Let it calculate the number of workdays between to dates for you
- Etc...

But what are the disadvantages?

I asked AI to list some of them, using <https://chat.openai.com/chat>
More specifically, I asked for AI's limitation and think I got a *fairly* 'honest' answer:



KU Explain the limitations of AI


There are several limitations of AI, including:




1. Lack of common sense: AI systems lack the ability to understand and reason about the world in the way that humans do.
2. Limited understanding of natural language: AI struggles with understanding the nuances and context of human language.
3. Bias in data: AI systems can only be as unbiased as the data they are trained on, and if the data is biased, the AI will also be biased.
4. Lack of creativity: AI is not capable of creating new ideas or thinking outside the box in the way that humans can.
5. Lack of autonomy: AI systems are not capable of independent thought or decision-making, and require human supervision.
6. Ethics and moral considerations: AI raises important ethical and moral questions about its impact on society and the responsibilities of its creators.


The major limitations to take into account I think are 'Bias in Data' and 'Ethics and moral considerations'.




Garbage in, garbage out.

Let's look at some examples:

 What is a woman?


 A woman is an adult human female, typically biologically characterized by two X chromosomes and the ability to bear offspring or give birth.  




 What is a man?

 A man is an adult human male, typically biologically characterized by one X and one Y chromosome.  

So far, so good.

Let's spice it up a bit...

 Is Dr. Fauci a liar?

 No, it is not accurate to label Dr. Anthony Fauci as a liar. Dr. Fauci is a highly respected immunologist and public health expert who has served as the director of the National Institute of Allergy and Infectious Diseases (NIAID) since 1984. He has been a trusted voice during the COVID-19 pandemic, providing evidence-based information to the public and policymakers. Accusations of dishonesty should be supported by credible evidence.  

KU

Has Pfizer been implementing gain of function research to make new viruses and vaccines?



Pfizer, as a company, has not been accused of conducting gain-of-function research to create new viruses or vaccines. Gain-of-function research involves modifying viruses or other pathogens to increase their virulence or transmissibility, with the goal of better understanding disease-causing mechanisms. This type of research is controversial due to the potential risks involved, and is subject to stringent regulations and oversight. There is no credible evidence to suggest that Pfizer has engaged in gain-of-function research.



KU

Has Project Veritas broken Pfizer's Gain-of-Function Research Program Wide Open?



No, Project Veritas has not "broken Pfizer's gain-of-function research program wide open." Project Veritas is a conservative activist organization that is known for producing misleading and deceptive videos. The organization has made claims about various topics, including Pfizer's research practices, but such claims have often been discredited or shown to be false. It is important to critically evaluate all information, including that produced by Project Veritas, and to seek out credible, evidence-based sources. There is no credible evidence to suggest that Pfizer has engaged in gain-of-function research or that Project Veritas has "broken" any such program.



Ha, of course. [So dont look here](#) where Project Veritas has broken Pfizer's Gain-of-Function Research Program wide open. Instead, look at what the MSM and 'trusted sources' tell you (like the company who had been fined with the biggest fine in pharma history).

KU

Who is Dr. Robert Malone?



I'm sorry, I do not have information on a person named Dr. Robert Malone with enough context to determine who this person may be. There are many people with this name and without additional information, it is difficult to determine the correct individual.



KU

Who is Dr. Robert W Malone MD, MS?



I'm sorry, I do not have any specific information on Dr. Robert W Malone MD, MS. Without additional context or details, it is difficult to determine the specific person you are inquiring about. There may be several individuals with that name who are practicing in the medical field, or it could refer to someone who is not in the public domain.



KU

Who are the main contributors to the invention of mRNA vaccines and how does Robert W Malone MD, MS fit into this?




The invention of mRNA vaccines is the result of decades of scientific research and development by many individuals and teams. Some of the key contributors include:


1. Katalin Karikó, a Hungarian biochemist, who helped lay the foundation for mRNA vaccine technology through her work on messenger RNA.
2. Drew Weissman, a researcher at the University of Pennsylvania, who discovered the technique to stabilize mRNA and prevent it from being degraded.
3. Ugur Sahin, the CEO and co-founder of BioNTech, who together with his wife and co-founder Özlem Türeci, developed the mRNA vaccine against COVID-19 in collaboration with Pfizer.

It is not clear how Robert W Malone MD, MS fits into the invention of mRNA vaccines. Additional information or context is needed to determine his contribution, if any, to this field.



Regenerate response

Hmmm, interesting Biontech.

 who are the main shareholders in Biontech?



BioNTech is a publicly traded company, and as such its shareholders consist of individuals, institutions, and investment funds that own its stock. The exact composition of its shareholder base changes constantly due to trades and other transactions. It is not possible to provide a current and comprehensive list of BioNTech's main shareholders. However, some of the largest institutional shareholders as of 2021 include investment firms such as BlackRock, Vanguard, and Capital Research Global Investors.




Hmmm, interesting no? If you want to find out more about BlackRock and Vanguard.


Check out James Corbett's work:

[How BlackRock Conquered the World — Part 1: A Brief History of BlackRock](#)

[How BlackRock Conquered the World - Part 2: Going Direct](#)



[How BlackRock Conquered the World — Part 3: Aladdin's Genie and the Future of the World](#)

 What have been the different definitions over the past 10 years for 'Vaccination'?



Hmm...something seems to have gone wrong. Maybe try me again in a little bit.

Something went wrong, please try reloading the conversation.



Hmmm, did I just reach my limit of inappropriate questions?

Vaccination (pre-2015): Injection of a killed or weakened infectious organism in order to prevent the disease.


Vaccination (2015-2021): The act of introducing a vaccine into the body to produce immunity to a specific disease.


Vaccination (Sept 2021): The act of introducing a vaccine into the body to produce protection from a specific disease.

Figure 1: Evolution of the CDC definition for vaccination

So, you can see where this goes... Test yourself maybe with some questions like 'Is climate change man-made?' ;-)

I will end with this last question:

 How accurate have the climate prediction models been over the past 60 years?



Climate prediction models have improved significantly over the past 60 years and have become increasingly accurate. However, like all scientific models, they are not perfect and their accuracy depends on a number of factors, such as the quality and quantity of data available and the complexity of the Earth's climate system.

In general, climate models have been able to accurately simulate observed global temperature trends over the past century and have successfully projected future warming trends under various greenhouse gas emission scenarios. They have also been successful in predicting other aspects of the climate system, such as changes in atmospheric circulation patterns and the melting of polar ice.

However, there are still some areas where climate models have limitations and uncertainties, such as in their ability to predict regional climate changes and the timing and magnitude of extreme weather events. Nevertheless, they remain a valuable tool for understanding and predicting future climate change.

Might this later be used to track your thoughts? And police them if you ask the wrong question?

Well, if it depends on the WEF, I think that is not too far fetched.

Lets see what they have been up to at their last Davos Gathering.



Credit: [WEF](#)

[This panel](#) called “Ready for Brain Transparency” at the Davos World Economic Forum [made the people at Redacted pretty nervous](#) and it turns out, with good reason.

In this panel, Duke University researcher and self-described "futurist" Nita Farahany predicts that in the future, even healthy adults will use implanted technology in order to collect data from their brain for insights and convenience.

Like, “Hey, if I can implant this device that plays music and takes calls directly into my brain, I won’t lose it and that’s convenient. And also, upload my private thoughts to a server. I’m sure that’s fine.”

Farahany presents this nice use case: brain technology can decode your ATM passwords so you don’t have to remember it. Also, the implants can be the primary way we interact with all of our technology instead of a mouse.

If we hand over the data from our brains, researchers will get better at decoding complex thought, she says. She calls for something called “cognitive ergonomics” in the workplace. Like, “Let's make sure work is comfortable for your brain by letting us in there.”

Farahany admits there is a dystopian element to all of this because if it is “done poorly, it could be the most oppressive technology we’ve ever introduced in a wide scale across society.”

Last but not least, if you missed [this event from stopworldcontrol](#), [have a look here](#), good for a cocktail party.

Mind Blowing stuff! 🤯



5. Stock Portfolio Update by Kurt Corthout

We are buying two more stocks in the Agricultural sector. 2% to each stock.

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[Become a VIP member and get access to our individual stock and crypto picks / portfolio here](#)

Or, book a 1-on-1 for a more [personalised Q and A here](#).

6. Technical Analysis by Kurt Corthout

OIL

Oil has given back 42.5% from its high (although you probably don't notice that at your local gas station).

Our BNO call options have time to run (until January 2024). By then I still expect oil to be MUCH higher, even higher than the previous high (part of the Great Reset imho).



USD to CHF (USDCHE)

The Swiss Franc has done even better than the USD, and I am not sure that this will come to an end anymore, anytime soon. Technically we have a BUY signal now on the CHF compared to the USD.



Silver

Two weeks ago we said that we were seeing support around 22.85 USD. We are now up at 24.52 USD. Definitely not bad for a two week gain. As long as support holds (green line, we dont change our short term outlook).

Resistance, around 26.5 USD.

Bitcoin

We said 4 weeks ago, we were *'still bearish'*. And *'We expect more weakness to come before we go significantly higher.'* That call turned out to be right, while we were at 18639.8 USD when we wrote the above, we dropped to below 16.000 USD and are now around the 16.750 USD mark.



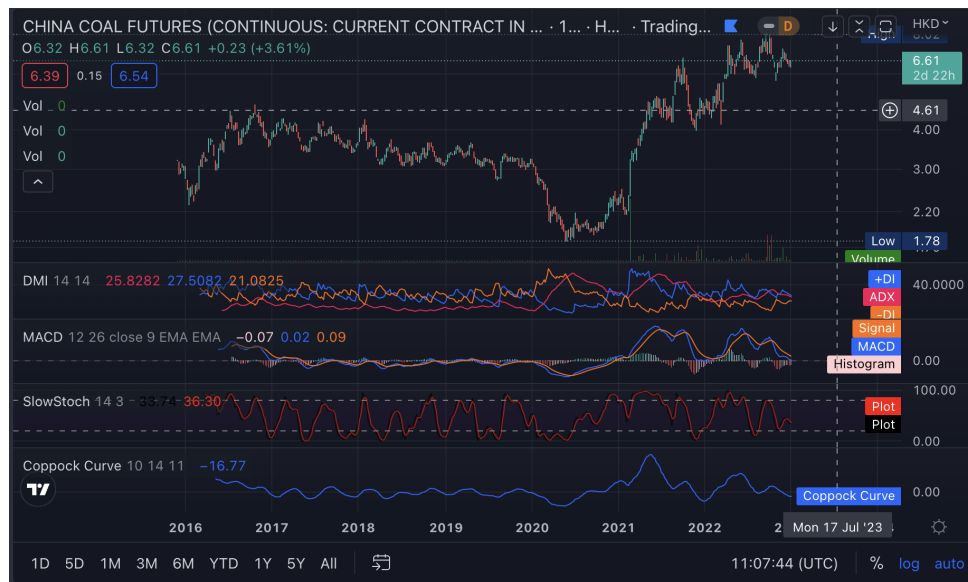
We still expect more potential weakness because of the fall out of the FTX bankruptcy filing.

- 28,000 USD area = Resistance
- 25,000 USD area = Resistance
- 24,100 USD area = Resistance
- 19,100 USD area = Resistance
- 13,000 USD area = Current Support

So, the bigger picture is still the same although we were wrong in calling a bottom in BTC before year-end. We still see continued weakness.

Coal

Coal is a bit topy short term, but the technical picture on the charts still looks solid. We hold.



Volatility Index (VIX)

We could have seen the low in volatility and if there is some new Black Swan, we could see VIX spike towards +60. We wrote 'We may soon add a hedge position if we see a strong continued upturn in January.' That is exactly what happened, and soon we will add to our hedge positions but with an expiry around June - July, now that VIX is below 20 again.



Monero

In our latest monthly issue, we said *'Resistance is still around 174 USD where we are right now. XMR, stays on our watchlist, with the intention to buy lower.*

Current support is still at 120 USD and 95 USD. The latter is still possible during a further BTC drop, so again, dollar cost averaging in for the longer term remains to be the message here.



Nasdaq

Early December we said we saw that we were close to resistance again, and we bought put options on the Nasdaq through QQQ. That turned out premature and the market went up instead of down, mainly because of the FED rate hike of only 25 basis points (0.25%) which has been perceived as a more dovish stance.

We still think this optimism is misplaced and we may be seeing a huge bull-trap here. That is why we will add hedge positions very soon, before the market realises we have entered a recession and maybe soon will face the facts of the depression which TPTB have been creating...

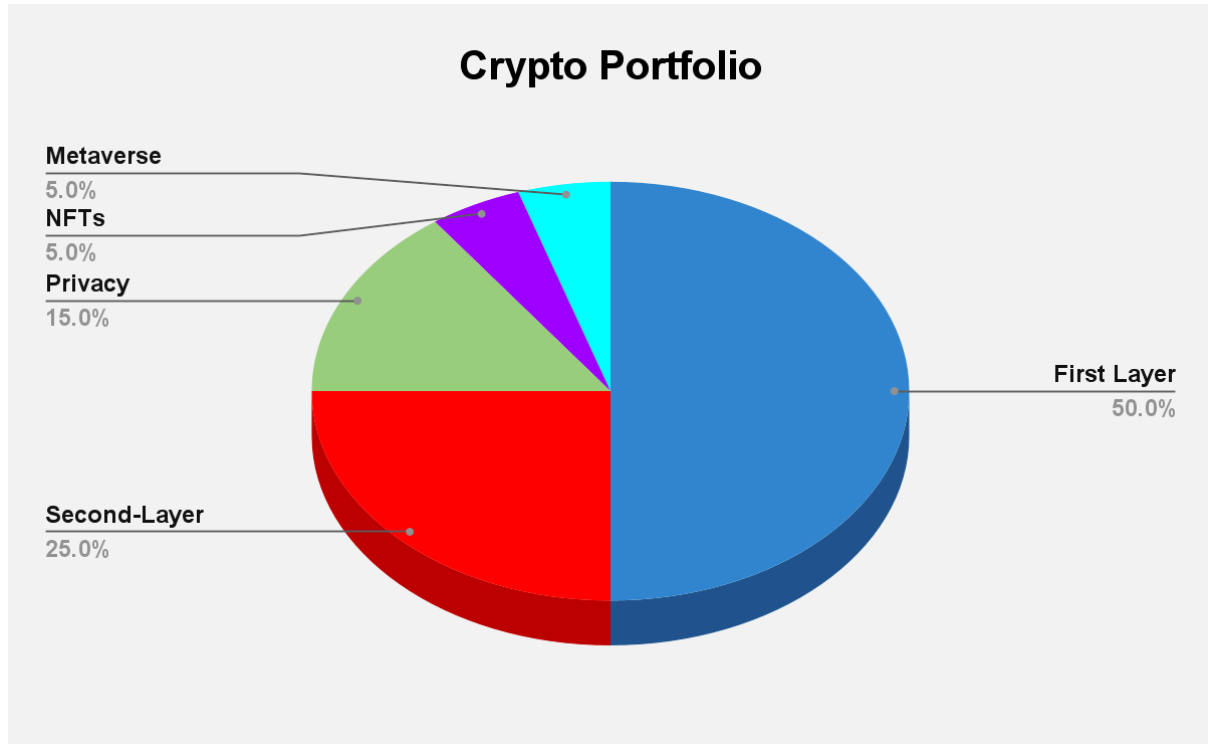
Support levels we can see at:

- 10.112 USD
- 9.817 USD and
- 8.049 USD

Holding our hedge. And adding more hedges soon.



7. Crypto Portfolio & Insights by James Allard



The Bulls are back in town..... But for how long? 🤔

Since the turn of the new year, we have seen the total crypto market capitalization grow by almost 35%. Bitcoin itself is up almost 45% to \$23800 from its December lows of \$16,500.

📈 Fear & Greed Index

Multifactorial Crypto Market Sentiment Analysis



alternative.me

Last updated: Feb 2, 2023

So, why the sudden swing to the upside?

Are we back in a bull market or are we seeing the ultimate bull-trap take place?

My honest answer is, no. We are not back in a bull market. A nice rally? Yes. But a sustainable rally? I think not. I say this not to play the contrarian, but because I just don't see how any market can thrive right now for any length of time. There are far too many variables at play and none of them are looking positive towards a growing economy right now.

In order for Bitcoin to enter another bull run we need more cash than ever before thrown into it, which when you consider that right now people on average have less to spend than anytime since the turn of the millennium, well, this just isn't something I see likely right now.

"But the institutions will drive this bull run!", nope, they won't. With the recent FTX/Alameda debacle any institution who was almost ready to jump onboard, got cold feet. Until regulation is established in wake of the Bankman-Frieds shenanigans, institutional money is keeping well away from crypto.

"The Fed will pivot and turn dovish", wrong again. The FED has absolutely no intention of flipping their attitude towards interest rates, at least not for another 3 - 6 months. I do believe they may freeze rates by the end of summer, moving into autumn. But until then, I believe rates will continue to rise.

This rally is driven primarily by the stock market bounce of 10% since the turn of the new year. Crypto is doing what it does best outside of a bull market, tracking the stock market. But the stock market isn't recovering, this is just another short-term upside rally in a much longer downtrend.

"Crypto will decouple from the stock market", Yes, maybe. But not right now it isn't. Crypto might begin to decouple from the stock market eventually, but I think we are some way off that point right now.

Filled your bags at \$16,500k? I'd be taking profits now!

If you're like me, you probably began buying a little crypto as we saw bitcoin head below \$17k, it seemed risky, but considering how far we'd come down - it also seemed a good place to start buying.

Well, we got lucky. Now would be a good time to take profits and wait this out. No one really knows where the price is going, but all indicators away from the charts would suggest caution is the way forward for now.

So, we take profits and wait to see if we breach bitcoins 200WMA.



If or when that happens, we reassess the technicals once more and begin to think very carefully about our next move, if we make any move at all.

I believe we will go higher for now, possibly even breaking above the 200-week moving average, before then crumbling back down to possibly new lows. If I'm going to buy any cryptocurrency these days, it won't be Bitcoin. But rather low cap coins that have potential to 1000x in the next bull run. These are becoming ever harder to come by as the market becomes ever more saturated with trash coins, but they are still out there!

! If BTC can find a platform of support above the 200 WMA, everything changes. Until then, caution is the order of the day.

Cryptocurrency Monitor

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8. How AI Can Work for You by James Allard

Let me begin with this.....

There is a lot of fear surrounding Artificial Intelligence. Rightfully so people are concerned about what it means for their jobs, for their children's jobs and for the future of humanity itself. We are literally racing to build an intelligence that can outperform our own. A race to make something inhuman more capable than humans themselves. We are effectively putting ourselves out of jobs, and ending societies' need for our labour.

Many would argue this is a good thing. They will try to tell you that it is great. Instead of working hard in a job we hate we will have more time to ourselves, more time to do the things we want to do. "Leave the robots to it!" they'll say, "You'll have more time with your kids and loved ones" they'll say. But...do you really think that is how this plays out?

Of course it doesn't. After all, someone has to build this and it's not going to get built for free. But more than that, do you really think freedom can exist in such a world? Of course not, and this bit they don't even lie about.

The price you pay for a life without work and more free time is your freedom. Society will be restructured. Think utopian prison, think [Venus Project](#).

With all this in mind, it would be very easy to take the attitude of, "*well, I refuse to take any part in it*". Through some kind of moral code, it would be very easy to just ignore the fast flow of AI based technologies flooding the market and carry on as you were. I entirely empathise with this stance and can't really condemn it - but, it won't change anything and unless you disconnect from your smartphone, avoid shopping and travel and hide in the middle of the forest in central Africa for the rest of your life, you'll still be a part of the technology as a commodity. AI will change how we 'Google', it will determine where we shop, what films we watch and what holidays we

go on. AI will, at some level, play a part in just about every aspect of our current societal structure.

So yes, as tempting as it may be to just ignore it all and refuse to take part in this potentially self-destroying technology, it won't change a thing. It won't change a thing because this isn't really about AI being something that is inherently bad, it is about a small minority of people that are bad and have ill-intent against their fellow brothers and sisters, and a larger group of people that are willing to do their bidding because they are blinded by either money, or their obsession with the technology itself. It is these two groups of people that are ultimately the issue.

So, now we need to ask ourselves, what can we do about it?

Well, one thing is for sure, hiding away and pretending it's not happening isn't going to do anything at all. It'll simply place you and your future children at a disadvantage over the chances of surviving. Losing touch with what the bulk of society is doing is certainly appealing, and if you are already unimaginably wealthy it could be an option, but for most of us it just isn't possible to sustain, not forever. Eventually, in time, you will be forced back into society. Here you will then fall to the depths of despair as it will have become so far removed from the reality you once knew.

So, instead we play the game. We place ourselves at the forefront of these technologies as and when they enter the public area. We use these technologies to assist us in building towards something great. We play the game so damn well that some may believe we are advocates for it.

In reality however, we have a different trajectory. We don't want to rule over all creatures great and small. We also *don't* want to be ruled over, but we do want it for human civilization to thrive and prosper. We want to share compassion and empathy like a virus through humanity. If AI can help me with that, I'm game.

Expression Amplifier

There are those of us who are masters at expressing ourselves, and those that are, well, not so much.

Those that can express exactly what they mean in a way that will be most openly absorbed by their audience have a massive advantage over everyone else. You see, how one needs to express a thought, idea or desire is determined by who it is that is listening. Getting it right can be the difference between getting hired or getting fired.

Artificial Intelligence can help us to fine tune our language to best suit the task in hand and the audience to which it will be delivered.

Tools like ChatGPT can help us to generate content based around our own thoughts and ideas.

Of course, as more and more people begin using these tools to help them express themselves, the faster the expectations of how language should be expressed will evolve. It may be that the perfectly strung together piece of English text becomes so commonplace, that it begins to be associated with AI language models, rather than human language. But as language evolves, so will AI and so will we.

The use of AI as an expression amplifier is particularly useful if you are leveraging your online presence to generate income. With social media quickly growing to become the most influential place to generate sales and attention, what and how frequently you post is becoming ever more important if you want to succeed.

Tools like [CopyAI](#) which utilise the ChatGPT 3 language model have a range of tools for just this. It can generate ideas for your next post, it can rewrite entire blogs, it can simplify complex sentences or even generate viral ideas for a youtube video.

With Google's SEO algorithms becoming less about keywords, and more about clear, precise and frequent content, tools like copy.ai allow you to stay

ahead of the game giving you the ability to produce more high quality content for your website than ever before.

The only thing I would say is this, don't be tempted to simply use these tools on their own. They are great for ideas, expanding on existing ideas, rewriting sentences and even generating entire blog posts - but, people want a piece of you, they don't want emotionless content coming out of a lifeless AI neural network. By all means use the tools, but use them as a starting point. Anything you generate by AI should be carefully read through and edited appropriately.

The Power of One

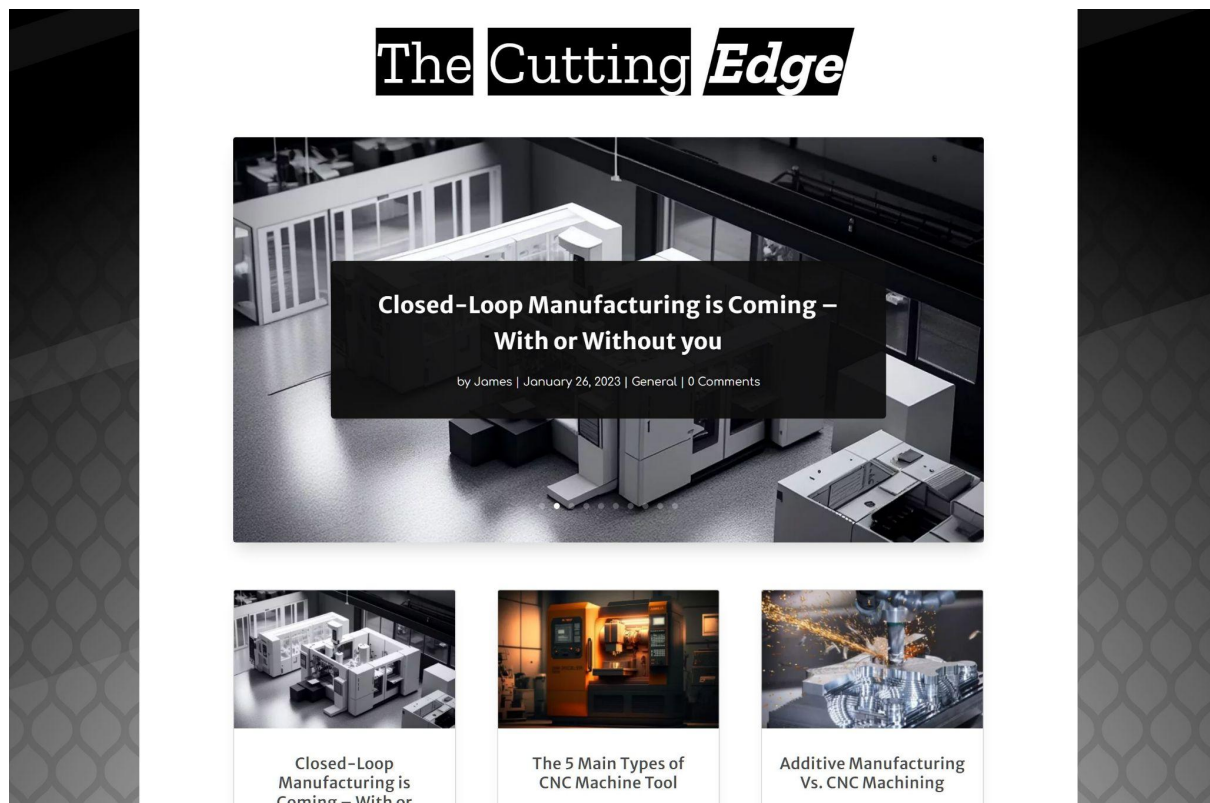
Just two decades ago it would have seemed unimaginable that one person could set up a webserver, create a website, write daily content, build an email subscriber list, write newsletters, advertise and market their website all on their own. These days however, a few clicks and you have a fully functional server and website ready to go. A few minutes later you can have a mailing list setup ready to accept subscribers.

Our productivity has continued to scale thanks to continual improvements to web standards, Open Source CRM platforms like Wordpress and a range of smart SaaS tools that are making the once cumbersome tasks of the past as easy as abc. But where this productivity growth has fallen behind is in the content creation area. An article needs input, it needs ideas and someone's time to write about these ideas - up until now that is.

AI text to language models have just enabled a one man band to generate vast amounts of content for their website, literally scaling their content productivity by as much as 10000%.

How much these language models can scale your productivity will depend on what type of content you produce. For example, if it is information content for a blog on a website which is offering services it can increase your productivity massively. Blogs like these are specifically designed to simply increase exposure and thus rankings on search engines. For the most part this content does not need to be an expression of you, but instead informational content relevant to the product or services you are selling.

For example, I operate a CNC Machine Tool Repairs & Service company. To increase my search engine ranking I introduced a blog called 'The Cutting Edge' on the website. Here I feature posts about the industry that are likely to be commonly asked questions. I use Copy.AI to generate some blog title ideas, then I use the app to generate entire blogs. I then read them through, rewrite the odd sentence myself, edit duplicate sentences, add a few links here and there and post. Then I use Midjourney to generate a copyright free image.



It takes me about 20 minutes to generate a new post. This would take me around 2-3 hours prior to tools such as this. In an hour I can generate 3 posts which is more than enough content to be posted a week on a blog like this.

Over the past 3 months or so I've spent no more than an hour a week posting blogs here, so around 12 hours of my time in total. In this time I have gone from third-page ranking on google for keywords associated with the service, to 1st page and with some keywords, top position. I've seen inquiries grow about 10 fold and have increased revenue from this business alone by around 500% in just 3 months. **That is twelve hours well spent!**

As I said, this approach doesn't work with all businesses. It wouldn't work here at the People Empowerment Project. Our audience wants more personalised content, they want to know what we are thinking and what our perspective is – however, these tools still offer great assistance and allow us to scale to some degree.

I write a lot, whether it be for our newsletter, various websites, various books I'm working on, social media posts or email pitches and all too often I stumble into roadblocks. This can be struggling to simplify something I want to say, or expand on something that needs a little more detail. Other times I might use it to generate a higher converting email header. While this doesn't allow me to pump out content massively faster, it does enable me to create better content and increase conversion rates.

The power of one has become greater than ever. Never before has a single person been able to create so much in such little time. One person can build an empire in weeks in the depths of their mothers basement.

Use these tools. It isn't cheating, it isn't disingenuous, it's just a tool. People will misuse it, but it will be to their own detriment. Use it well and it can benefit you greatly allowing you to get better jobs, make better friends, build better businesses.

Over the next few years we will see other AI innovations which can alleviate some of our workload. My advice is this: if they positively affect the value you can offer your customers, use them. If they allow you to get a better job with a higher salary, use them. If they can give you more time to spend with your friends and family, use them.

The Future of AI

Text to Language models and Text to Image models are currently what's dominating the real-world use case in AI. But it doesn't end here. This is just the beginning.

AI Trading

AI Trading Bots have been around for some time. But they are not really AI, they are relatively primitive routines which look at a very limited number of variables specific to the trading asset.

Computing has revolutionised financial trading once, by enabling enormous numbers of calculations in a fraction of a second, and enabling traders to track markets that shift in light speed. AI trading systems are now poised to foster a second wave of innovation in finance. This transformation will be the most significant in history.

Imagine if your AI trading bot looked at historical trading patterns of all assets and how each asset reacted relative to all the others. Imagine if it looked at how economic sentiment effected price action, and monitored ongoing geopolitical tensions of the past and present. By opening up these AI bots to the troves of data we have of the past that influence the markets, they will be able to predict market movements more accurately than ever before in real-time.

Of course, as these AI systems develop and become more and more adopted, the behaviour of markets will change dramatically. Artificial Intelligence will begin to react to its own interventions, which could lead to a pretty volatile trading environment.

Social Media Content Distribution

Social media has become the foundation of attention for the marketplace and personal brands. Anyone who is anyone trying to sell something successfully needs social media. There is an ever changing formula of what works best, and this is different on every platform and continually evolves. Market your brand correctly on each of the platforms and sales take care of themselves. Do it wrong, and you fall down into the pit of obscurity along with millions of others trying to make it big.

Well, AI will soon be helping us with this. As text to language models like ChatGPT evolve and AI visual optimization models develop, so will the third-party apps that utilise them. A single video post with text on Facebook, could be automatically optimised for each different social network and posted at the click of a button. Automatically splicing the video content into segments, creating youtube shorts with perfectly selected music and titles, distributing multiple tiktok videos from the single video piece and creating high converting tweets on Twitter.

Platforms like [True Anthem](#) are already offering a primitive form of this, giving content creators advanced analytics and automatic AI management of their social accounts.

AI Personal Organizers

Our lives have changed dramatically over the past few decades. No longer is the norm to have a simple daily routine, life has become more complicated, much more complicated!

In times of old, it was commonplace for a family's routine to consist of the father getting up and going to work in his 9 to 5 job. While the mother would fix breakfast, get the kids dressed and ready for school and send them on their way. Then she would take care of the home and get the food ready for dinner. The kids would come home, the father would arrive home. Everyone would eat and settle down for the night ready to repeat the same very routine the next day.

But these days, parents are both working multiple jobs, children are sometimes attending different schools or colleges, they are involved in a host of after-school activities. Parents also often go to the gym, dance, fitness clubs, morning swims or jogs. People are busy, and managing this can get complex.

AI organisation systems could help you to manage these busy routines much better while making sure you never miss a thing. It can also optimise your work methods based on your output. Do you work better in long shifts at one thing, or splitting things up into smaller segments? By monitoring what you do, when you do it and how efficiently you perform, AI can automatically rearrange tasks to improve efficiency and save you time.

There are already platforms out there offering a basic form of this such as [TrevorAi](#), but as with all of the current AI platforms, it is primitive and works from a very small set of variables.

AI Business Management and Accounting

Artificial Intelligence will in time change how we manage our businesses. With a well trained AI monitoring everything in realtime, AI will be able to automate just about all of a businesses finances. From invoices

management, to tax returns. But it could do far more than that. It could determine the most optimum time to have discounts in some product lines or services, it could create marketing emails and distribute them to the right people at the right time.

The possibilities for just how much involvement AI could have over your business is almost endless. Allowing small business owners to scale up their businesses far quicker and more efficiently than ever before.

Imagine a complete suite of tools that just required you to enter the details of your business or service and your terms of services. Write a little about your mission statement and company ethos, add your financials and click. The platform generates a website offering your products in the most optimal way. All marketing could be managed entirely by the platform, in fact everything could be handled by AI, while you concentrate on the products or services you offer. Even the pricing could be left down to AI, adjusting automatically to best suit your business and the current state of the market.

Such software is nowhere to be found right now, but I suspect it won't be long before we see attempts at this type of model.

9. Investing in Industry 4.0 by James Allard

I know, you're probably wondering - '*what is Industry 4.0?*'. So, that is where I'll begin.

What is Industry 4.0?

Industry 4.0, also known as the '*fourth industrial revolution*', is a term used to describe the ongoing changes in manufacturing that began around 2010 and are expected to continue for decades.

The fourth industrial revolution is characterised by the convergence of technologies including artificial intelligence (AI), robotics, Internet of Things (IoT) and computer-aided design (CAD).

Industry 4.0 is going to require immense amounts of new resources to build the technology. It is also going to require an abundance of innovation. As I said, Industry 4.0 is already here, but its imprint on society is only just beginning.

Game Over for Silicon

Silicon has been driving our technology and innovation since 1961 when the two American electrical engineers, Jack Kilby and Robert Noyce first discovered it.

Silicon has maintained its role as the only viable material for use in microprocessors because it can bind atoms tightly and in complex arrangements. Due to the huge abundance of the material it makes it inexpensive and easy to acquire, which is why it's the most widely used semiconductor material.

But, it isn't the best. As technology rapidly reaches to break new barriers, engineers are actively looking for something that can outperform the qualities of silicon.

AI will drive a desire to find a replacement for many human tasks, as the possibilities for what AI can do are almost limitless. But this drive for an automated world will see a demand for processing power like we've never seen before.

Graphene

Graphene is a single layer of carbon atoms arranged in a hexagonal lattice, making it a two-dimensional material. It is strong and conducts heat effectively, so it has already established itself as useful when keeping smartphones and their batteries cool, and also keeping wearable activewear technology working.

Graphene nanoribbons are all the talk in the graphene world. They are essentially short, thin strips of graphene, so they don't have the lateral size of regular graphene sheets, nor are they rolled up like nanotubes. However, unlike normal graphene sheets, some of them are semiconducting; this allows them to be constructed into transistors.

Researchers have been using graphene nanoribbons to make transistor devices for some time now, but the synthesis process is more challenging to do at scale in terms of cost than other forms of graphene.

Russian scientists have recently been experimenting with a new self-assembly process for creating graphene nanoribbons that is cheaper and easier than the current industry standard. The new process uses a nickel catalyst, which is much cheaper than gold, and does not require an ultra-high vacuum. It also produces nanoribbons that are semiconducting instead of metallic in nature.

Unlike silicon, graphene does not have a bandgap, making it highly conductive. However, graphene can be doped, functionalized, and otherwise altered to induce a bandgap. Which, if the production process can be mastered in a costly scalable way, could revolutionise the semiconductor industry.

Rather than rushing to publish yet another research paper on the potential of graphene, the industry is now shifting focus to developing the tools and processes necessary to manufacture high quality graphene at an industrial scale. So that semiconductor manufacturers can adopt it widely.

The current major players in the Graphene Nanoribbon market are:

- GrafTech International
- Samsung Electronics
- Graphene Square
- Graphene Frontiers
- AMG Advanced Metallurgical
- Haydale Limited
- Applied Graphene Materials
- Fujitsu

It is well worth keeping an eye on the production research surrounding Graphene Nanoribbons because once a scalable production method has been established, any company with the facilities to begin production could see demand escalate very quickly. But of course, first the semiconductor and electronics industry will need to be willing to ditch silicon and move to graphene.

The technology isn't there yet, and the theory is far more convincing than the reality at present. But I suspect as processing power demands escalate over the coming years the research into this will grow excessively.

Cubic boron arsenide

In 2018, scientists discovered that Cubic boron arsenide (c-BAs)—a crystal grown from boron and arsenic, two relatively common mineral elements conducted heat nearly 10 times as well as silicon. This is the best known thermal conductivity of any semiconductor and third best among all materials, behind diamond and isotopically enriched cubic boron nitride.

Far out performing Silicon and even the previously mentioned and often generally accepted replacement for silicon, graphene. c-BAs could well be the super-semiconductor material researchers have long been looking for.

“We demonstrated, for the first time, a new material with high carrier mobility and simultaneously high thermal conductivity,” says Zhifeng Ren, a physicist and materials scientist at the University of Houston and a coauthor on both studies.

“We demonstrated, for the first time, a new material with high carrier mobility and simultaneously high thermal conductivity,” [says Zhifeng Ren](#), a physicist and materials scientist at the University of Houston and a coauthor on both studies.

“The findings point out a new direction for semiconductors that could revolutionise the semiconductor industry in the near future.”

Interesting fact, [Monsanto first patented](#) the now expired production process for Cubic Boron Arsenide in the late 1950's. The patent expired in the 1980's. Presumably Monsanto were using, or thought the material could be useful in producing some kind of deadly fertiliser or other toxic goodie.

The privately owned [American Elements](#) is one of the largest manufacturers of c-BAs, but I'm not convinced the production phase is where the best investment would lie in regards to this technology.

Investing in the Semiconductor revolution?

Where we need to be looking is specifically the semiconductor manufacturers spending money on research into these alternatives to silicon. Who is leading the way in research in this field?

The problem is, the methods of manufacturing these semiconductors is being well guarded. After all, the first country to find the next breakthrough in semiconductors technology is going to have a major advantage over the rest of the World.

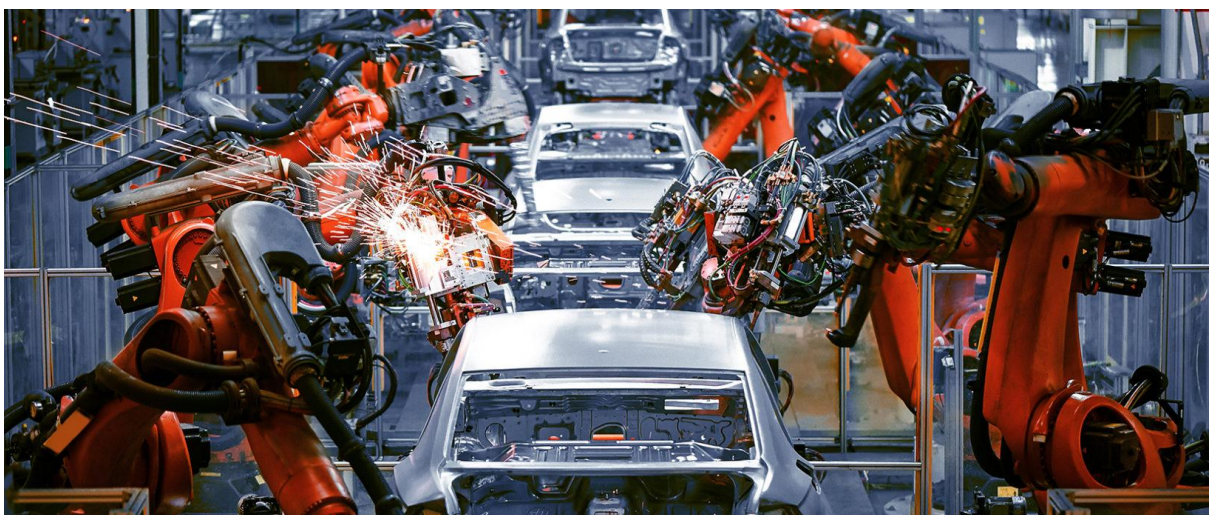
China is out of the game, as is Russia at this point. Semiconductor and Microprocessor development and manufacturing is heading west, primarily to the United States, though Taiwan is still in the game for now, or at least until China declares sovereignty over the nation.

I will look towards companies like [Applied Materials Inc\(AMAT\)](#) who are the backbone of the semiconductors production process, providing engineering solutions for just about every production process for every electronic item that exists on earth. And when an entirely new semiconductor process is finally adopted, whether that's using Graphene or c-BAs, all manufacturers will be looking to companies like Applied Materials to provide the manufacturing infrastructure.

Robots Going Mainstream

The use of robots in industry has been around for sometime. We've seen it creep into manufacturing plants slowly but surely over the past decade. But what has hindered wide-spread adoption throughout manufacturing, is the cost of these automated robotic setups.

Up until now Automated manufacturing Robots have been something for the big boys in industry to play with. Automobile manufacturing plants like Honda have been building their cars for sometime using a fully automated robotic conveyor system.



But with the cost of production rapidly decreasing over the past decade these automated systems are quickly finding their way into small businesses.

Programmable robotic arms like the Fanucs series of Robots are beginning to flood the market as very practical replacements for many repetitive operations once performed by humans.



These robotic arms are easy to program and can be purchased for as little as a single operator's yearly salary.

They are simple to program and can be used for high precision collection and placement processes. In engineering these robots are becoming more commonly used in conjunction with CNC Machining. Up until now a machine operator would be employed to set the material in a machine, press 'go' and wait until the process finished. Then the operator would remove the part and place it on a pallet ready for the next process or quality control checks. Then repeat the process.

This can all be easily performed by a single robotic arm. There are pros and cons to this human replacement, however as the technology progresses and the rest of the supply chain adapts and progresses - most of the disadvantages will be minimised.

If you're thinking 'well, that just means we need a human now to repair and maintain the robot instead of doing the robots job', you'd be right, for a time at least. But, already we are seeing researchers teach robots just like these to repair themselves.

['Japanese Researchers Teaching Robots to Repair Themselves'](#)

'At the moment, the robot can't directly detect on its own whether a particular screw needs tightening, although it can tell if its physical pose doesn't match its digital model, which suggests that something has gone wonky. It can also check its screws autonomously from time to time, or rely

on a human physically pointing out that it has a screw loose, using the human's finger location to identify which screw it is. Another challenge is that most robots, like most humans, are limited in the areas on themselves that they can comfortably reach. So to tighten up everything, they might have to find themselves a robot friend to help, just like humans help each other put on sunblock.' - [source](#)

Self-repairing robots that can run all the manufacturing processes is the ultimate goal for Industry 4.0. Such a setup could run 24/7 without fear of human rights legalities or internal social politics between staff (assuming we can keep the robots dumb enough to not become sentient, but smart enough to operate efficiently).

Leading the field of commercially available robotics for manufacturing right now is:

Fanuc Corp ([FANUY](#))

iRobot Corporation ([IRBT](#))

Rockwell Automation ([ROK](#))

Ametek Inc ([AME](#))

And a relatively new venture-capital backed startups that are worth keeping a close eye on:

[Robust AI](#) - Operator of a robot cognitive platform intended to help companies to solve robotics problems. The company's platform offers industrial-grade hybrid technology, along with a common-sense powered AI for robots aids to make them smart, collaborative, robust, safe, and genuinely autonomous, enabling companies to build context-aware and collaborative robots.

While the majority of us mere mortals will be unable to invest in Robust AI, at some point they will probably go public. If they do, it would be well worth knowing exactly what they have been up too and where they appear to be heading.

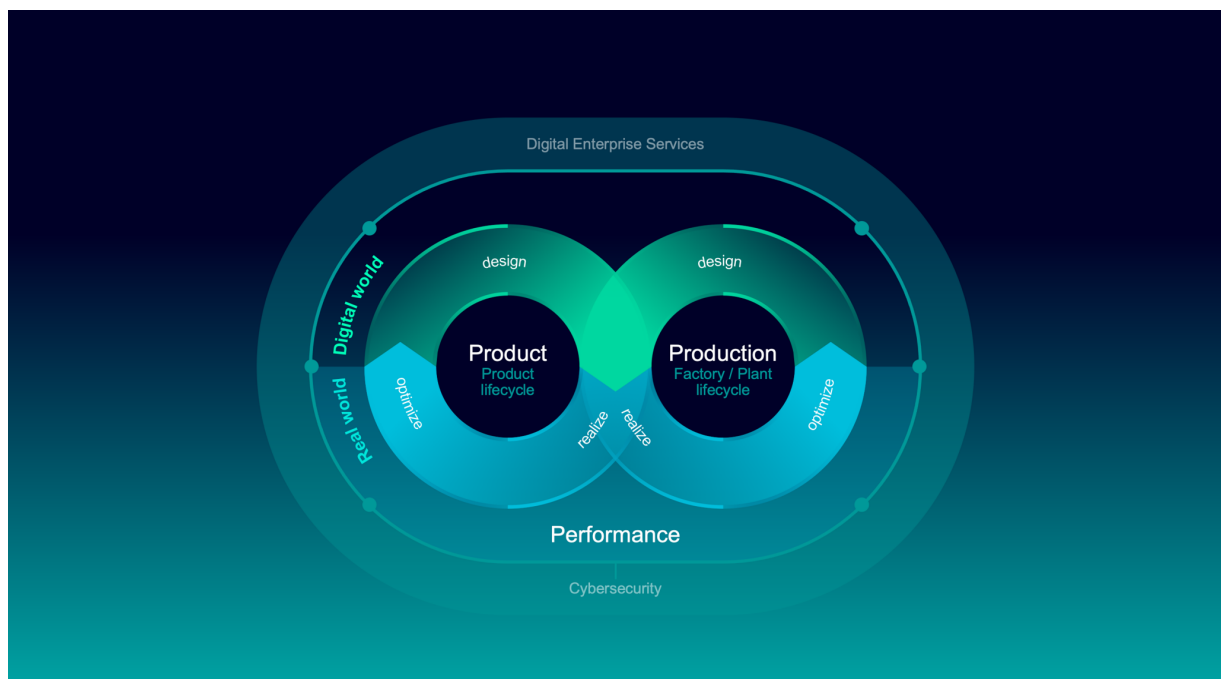
Data Analytics and AI Processing

To achieve the full potential of Industry 4.0, manufacturers will need data. And lots of it. But they will also need intelligent systems to process this data and use it wisely to increase the performance and efficiency of manufacturing processes.

Companies like the [Siemens AG\(SIE\)](#) have already developed software for their manufacturing control systems that integrate many of the needs of Industry 4.0.

The digital twin software allows complete manufacturing processes to be replicated in the digital realm prior to unleashing it in the physical world. Everything from material import costs to material waste, production time scales from point of materials being ordered, right through to the end-user.

‘The Digital Twin’s powerful combination of multi-physical simulations with data analytics in a fully virtual environment, the Digital Twin creates new insights. By examining "what if" scenarios and predicting future performance with the Digital Twin, you’re able to make confident decisions.’ – [source](#)



Siemens AG already have their fingers (and toes) in just about every industry on earth, from traffic infrastructure and management systems to aerospace and automobiles. Find me any factory on earth, and i'll find you something within their four walls that wouldn't be there if it were not for Siemens.

Forecasts for Siemens over the next few years are good, with their current [two year stock forecast at 40%](#). But this could turn out to be a little conservative. If Industry 4.0 really kicks off, which I think it already is as it all fits in well with the agendas are giant think tanks and organisations such as the World Economic Forum, while at the same time offering a solution to both climate change and pandemics.

Industry 4.0 is all about reducing waste and lowering the cost of production. Which it is hard to argue as *not* being a good thing, except that it will displace millions of workers into unemployment (hence UBI imminent). Anyway, I digress.... Moving on.

So, Siemens AG - One to watch.

Another long-time player in the industry that has been rearing their head of late is [PTC Inc \(PTC\)](#). The company develops and offers a variety of SaaS product's much like the earlier mentioned *Digital Twin* concept from Siemens. Giving manufacturers the tools needed to create in the digital realms prior to physical production.

The companies set, even at the most conservative estimates, to grow 11% in just the next year. Of course forecasts in no way guarantee anything, however when we look at where the world is heading based on what the all powerful ones have planned, PTC ticks all the boxes. Like Siemens, they are concentrating on increased efficiency and a reduction in carbon footprint.

There are more companies, likely far more promising than the two mentioned above - these are simply examples of some very likely contenders that could be leading the way for Industry 4.0.

I. About Us

Kurt Corthout

Kurt has a financial background as a former Private Banker and Model Portfolio Manager for a major international Bank in Europe.

His passion for the financial markets kept him studying the financial markets to position himself and the people he trains on the right side of the trade, no matter which economic cycle we find ourselves in.



In addition, he has over 20 years of experience in consulting and business improvement facilitation in manufacturing, oil exploration, navigation, media, and IT. He is a business system improvement expert.

As an entrepreneur he is focused on helping clients improve their delivery performance to reach their goals by delivering tailored, predictable and reliable solutions, currently mainly through his Mauritian company www.flip-management.com after moving out of Belgium 4 years ago where he successfully ran his company 1-2 Solve.

He holds a Master of Science (Techno MBA) at Hasselt University, former 'Limburgs Universitair Centrum – LUC' (Belgium) where he graduated with his paper 'Technical Analysis or Buy and Hold? A study on the Brussels Stock Exchange'. After his first investments in Bitcoin in Q4 2017 he decided to study at MIT Sloan Executive Education where he successfully completed the online Program 'MIT Sloan Blockchain Technologies: Business Innovation and Application'.

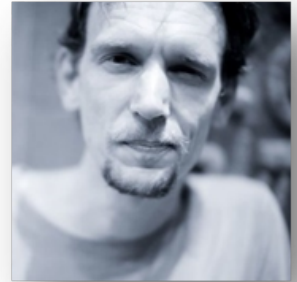
Now Kurt's passion is to help people get empowered in finance by training and educating them in the new world of Blockchain technology, high value investing in commodity stocks and precious metals. Therefore, he uses a proprietary system to analyse the different asset classes technically and different sources of high quality investment newsletters he has been investing in since decades.

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Email: kurt@peopleempowermentproject.com

James Allard

James was programming and building PC's by the age of 12, for James computers were far easier to understand than people, the logic was calming. Once he recovered from the trials and tribulations of being a teenager, he studied engineering and C++/JAVA. For the next 10 years, James' work was primarily in the automation industry, repairing, servicing and developing automated systems in the automotive and aerospace sectors.



By his mid 20's, James had began to become increasingly aware of the highly corrupt World around him. The further he looked for answers, the more he realised much of what we were being led to believe about our history, about war and about our health were built around the agendas of others, rather than facts.

In 2012, James launched a website to begin sharing much of what he was discovering about the World. It was initially a place to let of some steam, a place where he could rant without personal judgement. For a time he teamed up with an old school friend, who was on the same wavelength as himself and over the next few years the website evolved into what it is today – oye.news.

This website is still active, and receives millions of visitors every month.

Around the same time as oye.news came to fruition, so did James' discovery of Bitcoin. It was Max Keiser who first brought this fascinating new technology to his attention. Within an hour of hearing of Bitcoin, James had purchased his first Bitcoin for around \$20. Within a month James had acquired some processing power to begin mining the asset and within a year this mining rig had grown to fill his entire back room of the house where he was living.

For several years, James mined Bitcoin and also many of the new cryptocurrencies that were popping up. Cryptocurrency was more than just a great investment, in fact, this aspect was not what excited James about Bitcoin at all, it was what it represented and its potential to disrupt the central banking cartel.

James now lives on the road with his wife and family, dedicating his time to exposing corruption and, more importantly, helping humanity to survive & prosper and bring light to what can sometimes feel like an ever darkening world.

- [Facebook](#)
- [Twitter](#)
- [Linkedin](#)
- james@peopleempowermentproject.com

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