

# THE 10 TECHNOLOGIES

for Bill Gates & Melinda Gates

By Nick Ray Ball 18<sup>th</sup> February 2021

Below we see two views of The 10 Technologies, that make up the S-World Angelwing design.

On the left, we see them as 10 brands, each with its own logo and identity. And on the right, we see the 'X' forecasts, essentially the number you see multiplies the investment return.

This view is created for Peter Theil and has its own story. This page you are viewing now, however, has been written for Bill and Melinda Gates.

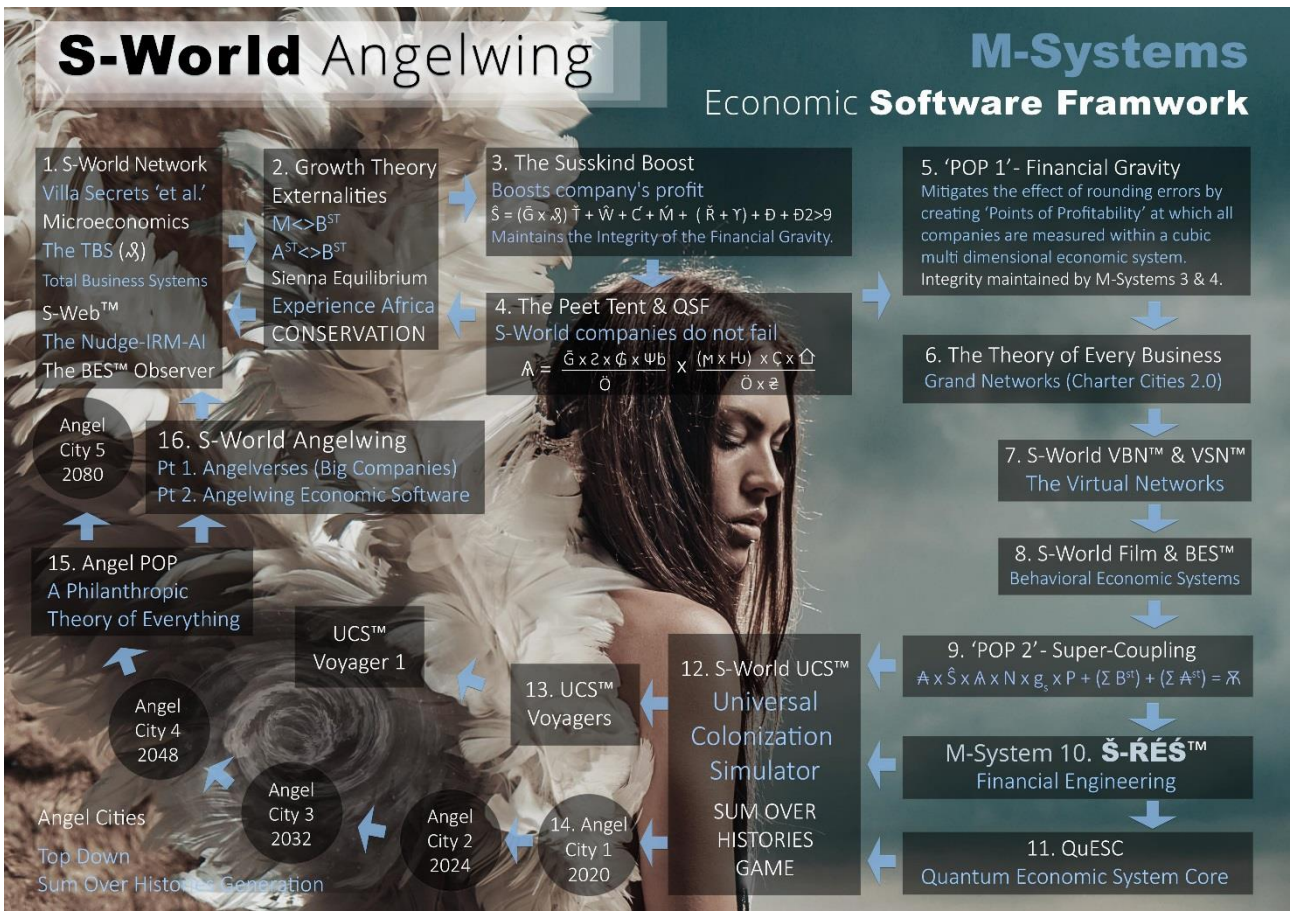




"Bill can deal with a lot of complexity, and he likes complexity, and he thrives on complexity."

By Melinda Gates - Netflix; Inside Bill's Brain: Decoding Bill Gates

So with complexity in mind lets take another look at the 10 Technologies in the systems diagram created between 2016 to 2020 – S-World Angelwing (M-Systems)



## Home Page for Bill Gates

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### **The Economics Of Climate Change.**

From the book:

How to Avoid a Climate Disaster: The Solutions We Have and the Breakthroughs We Need.

By **Bill Gates**.



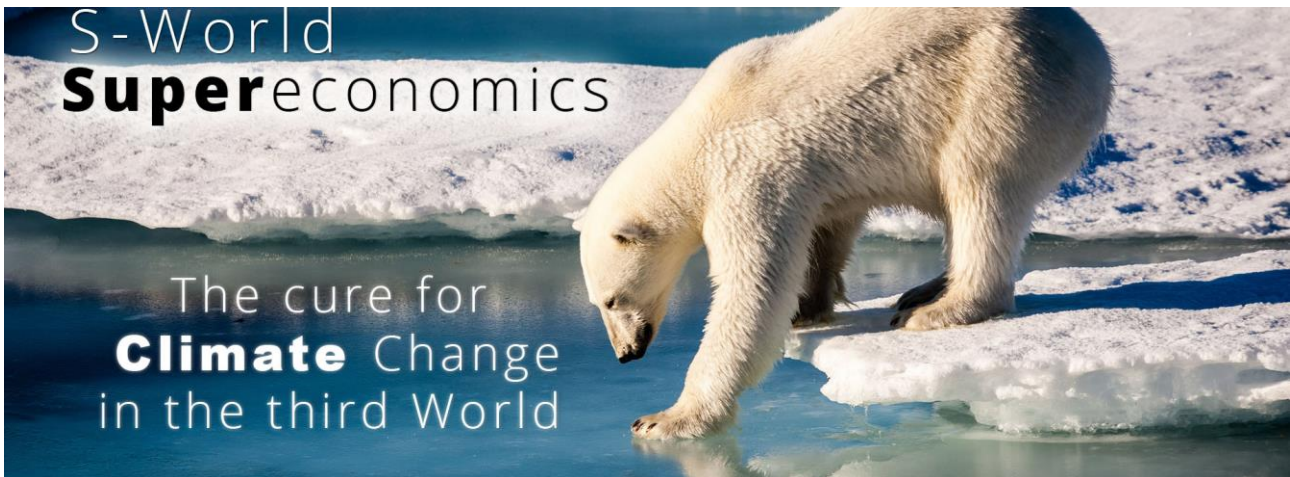
"Just thinking about the scope of this problem can be dizzying, but it does not need to be paralyzing. By deploying the clean and renewable sources we already have, while also making breakthroughs in zero-carbon energy, we can figure out how to reduce net emissions to zero."

"The key will be to make the clean approach as cheap, or almost as cheap, as the current technology."

**Nick Ray Ball:** Welcome to S-World & Supereconomics book 1. The Ten Technologies, book 2. Š-ŘÉS™ and The City  $\triangle$ , and book 3. 64 Reasons Why. (2017 Title: A More Creative Capitalism)

I believe it is customary to apologise to the economics profession when presenting contradictory methods, and so I apologise.

However, I have created a software approach to economics that turns Bills statement above, and traditional market based economics on its head.



In Supereconomics, yes that's what I've called it. Because it's good branding to have a catchy name, but also because of supersymmetry.

In Supereconomics we use the monopoly equation Š-RÉŠ™ (Technology 7) to increase the money supply. And with more money, when necessary, we can pay more for the things we want, so instead of; "The key will be to make the clean approach as cheap, or almost as cheap, as the current technology," we can, in many places, pay double, or quadruple, we can even increase the cost in cash flow by an order of magnitude, from say \$100,000 to \$1,000,000 for enough net-zero lithium batteries to store power for a suburb or small town.

A good example from How to Avoid a Climate Disaster is 'Green Premiums to replace bunker fuel with zero-carbon alternatives' (Page 35 of the PDF) Bunker fuel \$1.29 a gallon. Versus the zero-carbon option per gallon of \$5.50 per gallon (advanced biofuels) or \$9.05 per gallon (electrofuels). In Supereconomics, if no other solution could be found, we would pay the \$5.50.

But to appreciate one must master the basics of Technology 7. Š-RÉŠ™ High-Octane Financial Engineering

**That's Supereconomics.**





In Supereconomics book 2; **Š-RÉS™ and The City**  $\triangle$  I show how and present the fully determined process. But to jump straight into the how, we consider this simple equation  $\triangle \geq \acute{E}L$ , as long as ( $\acute{E}L$ ) (cash flow spent on non-network goods and services) is equal to or less than ( $\geq$ ) the income from selling Suburbs ( $\triangle$ ) to companies like Microsoft, Google, Tesla, SpaceX, Facebook or foundations like the Bill and Melinda Gates Foundation, and others in deals that would be in place years before we lay a single brick in the new cities, then all is well. And when I say well, for our prototype Malawi we see more than 11 trillion in GDP between 2024 and 2080 taking Malawi from **zero to one** per cent of GDP, (to borrow a line from Peter Thiel.)

And for the world, because in this model there is no trade, it is not a zero-sum game, this technique can be deployed in the other 100 countries that Paul Collier lists in his book The Bottom Billion.

And in terms of potential, we can potentially add the same again for America, Asia and Europe and we essentially have a Net Zero war chest of  $\$11 \text{ trillion} \times 400 = \$4,400 \text{ trillion}$  (discounted to today's value) to be spent between 2024 and 2080.

This software has been simply condensed into what we call; The Ten Technologies.



Continued good health permitting I have another 30 years to work on the detail. So to say that I cant complete this series of books alone is not completely true. But if we change the question to; can I complete the four books and accompanying websites before someone else comes up with some of the same technologies, patents them and spoils technology 10. S-World Angelwing - The AI - the product of the combinatorial explosion of technologies one to nine.

In this case, then, I unequivocally need help to complete the project and execute its primary mission, the climate catastrophe. This said in truth, in the UCS™ History 3 model when we include the infrastructure, it is education that sees the most funding.

**Why is it important that I get there first?**

To this question, I have a compelling answer and it is Supereconomics book three; **64 Reasons Why**. 64 (now 74) good causes in climate control, philanthropy, health, social science, infrastructure, internet service providing, building cities, technology and luxury housing for all. All net-zero, all built using new techniques that cost more, as I said maybe in some cases a magnitude more, to minimize the carbon and resource footprints. Which will be large, the most used Malawi model UCS™ History 3, creates just over 10 million homes.



Multiply Malawi’s forecasted 10 million homes by 400 (for the global spread) and we're talking 4 billion homes... In; How to Avoid a Climate Disaster Bill informs us that;

“The world will be building the equivalent of another New York City every month for the next 40 years.”

My argument is if this is going to happen, best it is developed by S-World, looking at the carbon and resource usage at every juncture versus the market which does not care, and even if it did cant be controlled.

This leads me back to my book A More Creative Capitalism, named after Bill Gates 2007 Harvard Commencement Speech which says this about the market:

If you believe that every life has equal value, it’s revolting to learn that some lives are seen as worth saving and others are not. We said to ourselves: “This can’t be true. But if it is true, it deserves to be the priority of our giving.”

So we began our work in the same way anyone here would begin it. We asked: “How could the world let these children die?”

The answer is simple, and harsh. The market did not reward saving the lives of these children, and governments did not subsidize it. So the children died because their mothers and their fathers had no power in the market and no voice in the system.

But you and I have both.

We can make market forces work better for the poor if we can develop a **more creative capitalism** – if we can stretch the reach of market forces so that more people can make a profit, or at least make a living, serving people who are suffering from the worst inequities. We also can press governments around the

world to spend taxpayer money in ways that better reflect the values of the people who pay the taxes.

If we can find approaches that meet the needs of the poor in ways that generate profits for business and votes for politicians, we will have found a sustainable way to reduce inequity in the world.

This task is open-ended. It can never be finished. But a conscious effort to answer this challenge will change the world.

I am optimistic that we can do this, but I talk to skeptics who claim there is no hope. They say: “Inequity has been with us since the beginning, and will be with us till the end – because people just ... don’t ... care.”

I completely disagree.

I believe we have more caring than we know what to do with.

Long ago, on a climb up Lions Head in Cape Town someone told me about The Gates Foundation, as a better way to spend Bill’s money than could be achieved by simply giving it to other charities. And highlighted a teach a woman to fish attitude to charity.



And when I felt the need to do something good, it was this idea that formed the base of it, in an initiative called Give Half Back in March 2011.

Skip forward to 2017 and I would rename the project; A More Creative Capitalism, there are 6 different draughts of this book covering close to one thousand pages, four years on and that book has now developed into Supereconomics books 1 to 4.

Returning to Book 3. 64 Reasons Why





If oil or coal energy costs \$100,000 a year, against solar that costs \$1,000,000 if it's the only alternative we can pay the \$1,000,000. But in practice it would not be 1000% more expensive, some reports actually say it's cheaper, and what is clear is that energy from what is in S-World is called Gates-Green-Nuclear, once the thing is built the energy will be far cheaper than gas or coal.

**Special Project 65.Going Nuclear?** (For Bill Gates and William Nordhaus)



UN GOAL 7: Affordable and Clean Energy (+ 8: Economic Growth + 9 11, 13 and 17)  
 SRC GOAL 4: **Climate Change (+ 5: Ocean Acidification)**

64 Reasons Why shows us how we will spend the money, and how using digital net-zero dynamic comparative advantage (Net-Zero DCA Software) and an initiative called Tax Symmetry, 75% to 100% of all that money, the thousands of trillions of dollars will spend constructively. (for the good of all)

Here is the most polished version of the book, what I call a 64 Reasons Why Basic; 68 pages, 12,500 words and many graphics, please download it; [www.angeltheory.org/64-Reasons-Why-BASIC-\(18th-Feb-2021\).pdf](http://www.angeltheory.org/64-Reasons-Why-BASIC-(18th-Feb-2021).pdf)

Note however that the website [www.AngelTheory.org](http://www.AngelTheory.org) ends on the 27th of April 2018. After which an introduction to the four books is now presented on [www.Supereconomics.ai](http://www.Supereconomics.ai)

As for book 2; Š-RÉS™ and The City Δ, there is a 300-page version (70,000 words), which needs a good editor and copywriter and some confirmations in economics and politics. Which is due to be used to create another sorter basic summary in or before the spring (2021).

As for book 1, you're reading it.



To the Gates Foundation, if the idea of investing is foreign to you then just use S-RES to increase the money supply of the foundation. I know you will do good with this power and freely give it, should you wish to use it. But it really world be stronger as a team discipline, and maybe the board, for now, could be me, Bill and Melinda.

Note to gatekeepers, until I receive some communication I will continue my list, and also offer board memberships and it's likely whoever is first will get to steer the ship, so being first means a lot.

# THE 10 TECHNOLOGIES

for Melinda Gates

Dear Melida, I enjoyed your book, the moment of lift,



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