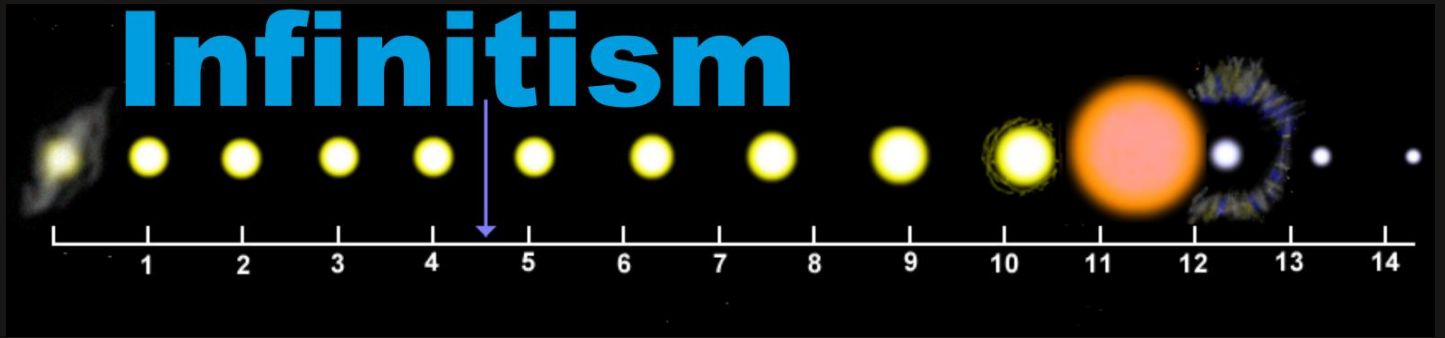


Infinitism



GEMINI next Generation AG (Inc.)



Philosophy Infinitism

Why is there intelligent life? Why does civilization exist? Is man and his civilization good or evil? I investigated these questions using game theory, a branch of mathematics. In game theory, everything is abstracted as a playing field, players and rules of the game.

Why did the player introduce intelligent life into the game? It was a compellingly logical decision to preserve, maintain, protect.

“Subdue the earth” is the mandate of the Christian religion. But what is expected of a good ruler? To preserve, to maintain, to protect, that is how it is interpreted today.

The combination of game theory with other scientific findings led to the development of the concept of levels of civilization and the realization that the task of preserving, conserving and protecting is much greater than we can currently imagine. The symbol for infinitism gives an indication of the timescales and scale of this mission. A rejection of this mission is blasphemy.

Are we capable of it? Another concept in the Christian faith is “God created man in his own image”. Any claim that man is incapable of fulfilling this mission is therefore also blasphemy.

But what has philosophy in common with our current problems?

Electric mobility was first mentioned in a Chinese five-year plan in 1991. The idea behind it was: to make a person 100 km mobile on a motorized two-wheeler, either 4 liters of crude oil must be imported or 1 kg of domestic coal must be converted into electricity. The petrol moped always remains a petrol moped, whereas the electric moped runs on any type of electricity, whether coal, nuclear, hydroelectric, wind or solar. That is pragmatism, tackling a problem step by step, that is Confucianism.

Meanwhile in the West in 1991, there was a very short-term profit motive on the one hand and a fundamentalist attitude to environmental protection on the other hand. In the context of this philosophy, the Simson SR 50 Gamma E electric moped developed in Germany in 1994 had no chance, even though it had a technical lead over China of around 10 years at the time.

If we look at the state of the car industry in China and in the West in 1991 and 2024, we get a very drastic answer as to what different philosophies can achieve.

Limitism philosophy

Limitism is based on the book “The Limits to Growth”, published in 1972. It describes the hopeless situation in a world without renewable energies and recycling. The growing human civilization is seen as a pest.

Limitism preaches saving, restriction and renunciation and attempts to prevent any development that could lead to growth.

This inhuman philosophy wants to keep the majority of humanity in poverty. To assuage their guilty conscience about this perfidious plan, they invite people from the countries they want to keep poor.

The Guide Stones are one example of limitism, where, until this monument was blown up, calls were made in eight languages for humanity to be reduced to 500 million. The worst slogan used by limitists to express their hatred of humanity is “Healthy planets have no humans”.

The claim “net zero emissions and everything will be fine” is used to promote completely inadequate climate protection measures that pose a major threat to humanity.

The more limitist thinking characterizes a country, the stronger the economic downturn and the louder the call for censorship becomes, because this philosophy is too weak to face open discussion and criticism. Cancel culture and refusal to discuss are typical manifestations of limitism.

Politics WorldWide Wealth

Philosophy sets the big goals, while politics has the task of creating the framework conditions to achieve these big goals. Worldwide wealth is not a luxury or selfishness, but an indispensable prerequisite for the long-term positive development of our civilization.

We have made a great deal of progress since the first industrial revolution. However, fossil energy can only bring prosperity to a small part of humanity for a short period of time and has considerable side effects such as climate change.

From the beginning of the first industrial revolution until today, the amount of CO₂ in the atmosphere has risen from just 280 ppm to 425 ppm. 170 ppm is ice age, 280 ppm is much cooler, 425 ppm is unstable because thawing permafrost and other effects can release significant amounts of additional greenhouse gases. 350 ppm CO₂ is considered a stable level that we should return to.

This planetary renovation back to 350 ppm CO₂ is a gigantic effort that only a wealthy mankind can successfully implement.

But even the best intentions won't help if the technical and economic conditions are not right.

Example: the horse manure problem that characterized cities around 1900. There were predictions as to when the streets of London would be completely covered in horse manure. What were politicians supposed to do about it back then? Cars were only for the very rich back then, who else could afford US\$ 80,000 inflation-corrected for a car? There were even many electric cars, but they were severely limited by the inadequacies of battery technology at the time.

But then Henry Ford came along with his US\$ 5,000 Ford T and created the technical and economic conditions to rid the cities of horse manure.

There are photos of this change on 5th Avenue in New York, where in 1900 it was difficult to find the only car among all the horse-drawn carriages, where in 1913 it was difficult to find the only horse-drawn carriage among all the cars.

If there had been limitist policies back then, the horse manure problem would have remained unsolved because of the exhaust problem.

Product development characterized by infinitism

The way of thinking determines which product developments are possible at all. Mental barriers can be much more relevant than technical ones.

Infinitism was defined much later and the Association for the Promotion of Infinitism was only founded in 2015. The “GEMINI inhabited solar power plant” conceived in 1991 can nevertheless be regarded as the first product shaped by the ideas of Infinitism.

“What will solar architecture look like in 100 years? We should know now, because we don't have 100 years to wait for the answer” was written in 1992 in my first book “Aufstieg zum Solarzeitalter” (Advancing into the solar age).

Forecasting future needs and developing a product not only for the benefit of the individual consumer, but for civilization as a whole.

Even then, the term “civilization planning” was coined.

We have a clear mission, which requires a responsible, well-planned approach and is incompatible with “living like young dogs”.





Energy-optimized settlements

We need living space, we need energy. Combining both in one area enables considerable cost optimization, a reduction in land requirements and a reduction in material requirements. Why should people be crammed into workers' dormitories while nature is paved over with photovoltaic systems and wind turbines? There should be very good reasons for this, but we all refute them.

Don't single-family homes need a lot of energy for heating? Less than 2 % of electricity production! Don't we need to fight motorized individual transport? Around 5% of electricity production for residents' electric cars! Shouldn't we stay dirty for the environment? Even generous use of hot water is only around 1% of electricity production!

All the main themes of all the saving, reduction, renunciation sermons of the last decades are exposed to ridicule here, because it is just 8% of the electricity production of an energy-optimized settlement.

This is not about some romantic notion of self-autarky and self-sufficiency, but about a comprehensive power supply for the rest of the country, from the old settlement areas to energy-intensive industry.

These settlement areas are equipped with enough sodium batteries to feed into the grid as required. The entire day/night balancing of solar power is covered by these batteries.

Large-scale centralized technology in the form of power-to-methane, underground gas storage facilities and combined cycle power plants are then planned for summer/winter balancing. The large number of batteries enables highly optimized operation of these combined cycle power plants at the highest efficiency level. Siemens has announced a new generation with 64% efficiency. Further expansion of wind energy will then be superfluous.

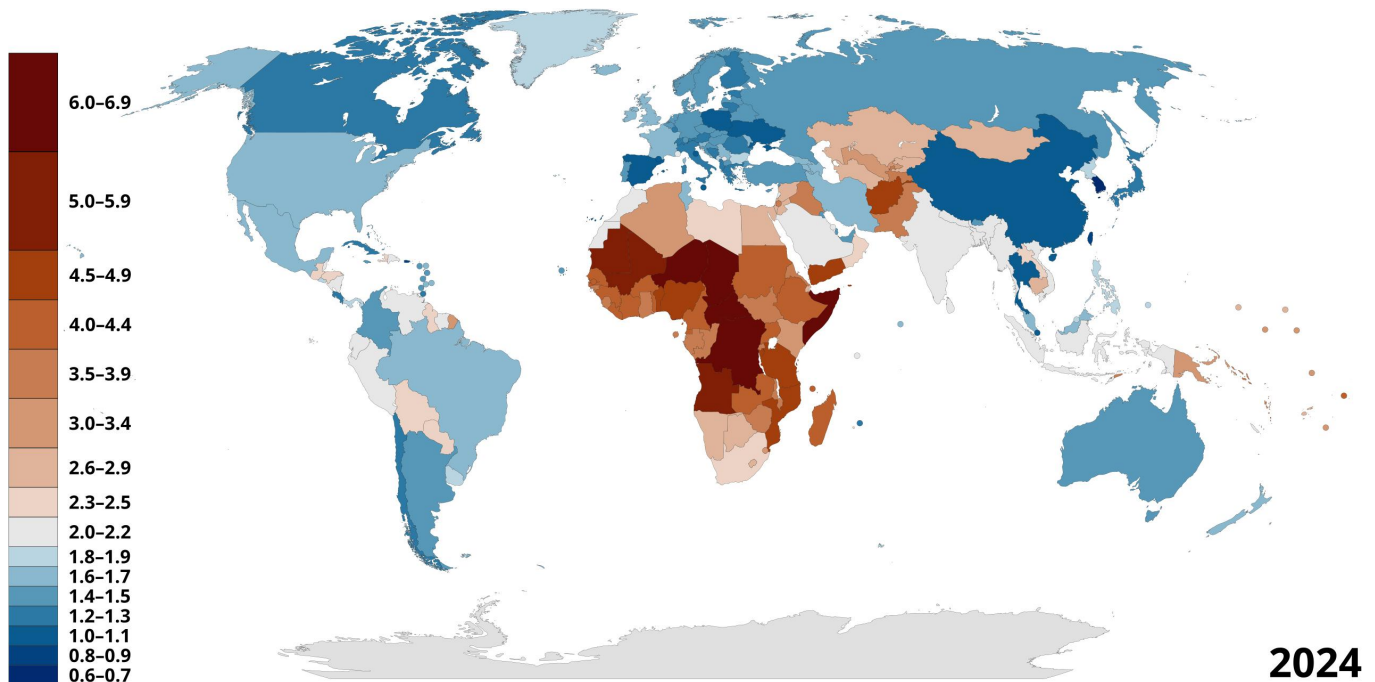
Land for energy

Where will all the land for energy-optimized settlement areas come from? In Germany, 26,000 km² are used to grow crops for energy production. Mostly maize for (bio)gas with a low, inefficient yield of 17 MWh of electricity per hectare. Such fields have absolutely nothing to do with organic farming and nature; everything that is not a crop is fought against. In comparison, our residential areas generate 60 times more electricity.

There are zoning plans, there is the instrument of rezoning. Land for energy means that the state buys or leases grassland and converts it into building land. However, the building standard ClimateProtection-SuperiorityHouse is required for the development and the land is leased for an annual rent of 60 kWh/m² and strict regulations for a needs-based grid feed-in.

If the state leases 10,000 km², it will have a rental income of 600 TWh/a. Germany's current electricity demand is then lease income.

It is then a political decision to sell the electricity generated from the lease income as expensively as possible, or to use it to supply energy-intensive industry and power-to-methane plants at very low prices. Even an average of just 5 cents/kWh is €30 billion per year.



Reruralization

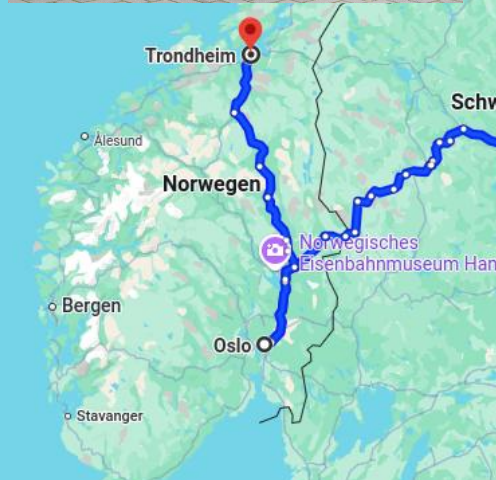
Even in the Roman Empire statistics have shown that large urban areas always have more deaths than births. This means that large urban areas are always dependent on population replenishment from rural areas.

Urbanization has been underway worldwide since the first industrial revolution. For example, the population of Vienna increased eightfold in the 19th century. But is life in big cities really so great? Why are there these huge traffic jams every fine weekend caused by city dwellers who have spent the weekend in the countryside and return on Sunday evening? Whether it's Vienna, Bucharest or Manila, it's the same urban exodus on the weekend everywhere.

A few decades ago, people were still afraid of overpopulation, but now the opposite is true: only Africa has a rapidly growing population, all other continents have too few births. In detail, the poorest countries in Africa have the highest birth rates.

There is the same solution for both problems: prosperity for the very poor regions, reruralization for the rich regions through energy-optimized settlements.

Target net zero emissions



Target Planetary Renovation

The Scandinavian parable

A very cold winter's day in Scandinavia with temperatures as low as -30°C . You have to decide whether to take a City-El from Oslo 498 km to Trondheim or a Tesla Y from Oslo 1,867 km to Hammerfest.

In this parable, the City-El represents limitism and the goal of net-zero emissions. Only 4 kWh of cold-sensitive lead batteries and no heating. The driver would freeze terribly, the windows would fog up with ice from the moisture in the air and the City-El would certainly break down on the first incline after 20 km. If you were driving in summer, you would have to stop for 4 hours every 70 km to recharge.

In this parable, the Tesla Y represents infinitism and the goal of planetary renovation back to 350 ppm CO₂. 77 kWh lithium battery with heating and cooling system, more stops at fast charging stations than usual are necessary in the cold, but still a safe and comfortable journey.

The net zero emission mentality

Net zero emissions means reducing greenhouse gas emissions to a level that nature can supposedly absorb for a long time. There are many forecasts that deviate drastically from this theory. For the rich this means maintain poverty and cause poverty, so that enough emission rights are left over for the rich.

The planetary renovation mentality

Planetary cleanup back to 350 ppm CO₂ means about 47,000 TWh of electricity to filter 1 ppm CO₂ from the atmosphere and recycle it into carbon and oxygen. Who can afford that? Only a rich humanity with 10 billion people in prosperity can do it.

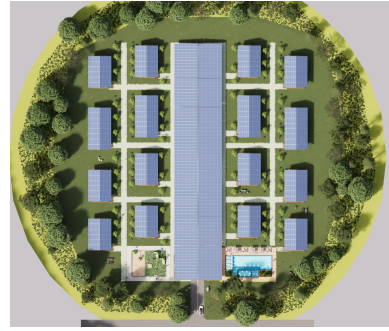
10,000 km²

1,200 GW photovoltaic

3,600 GWh batteries

1,000 TWh yearly yield

16,000,000 houses



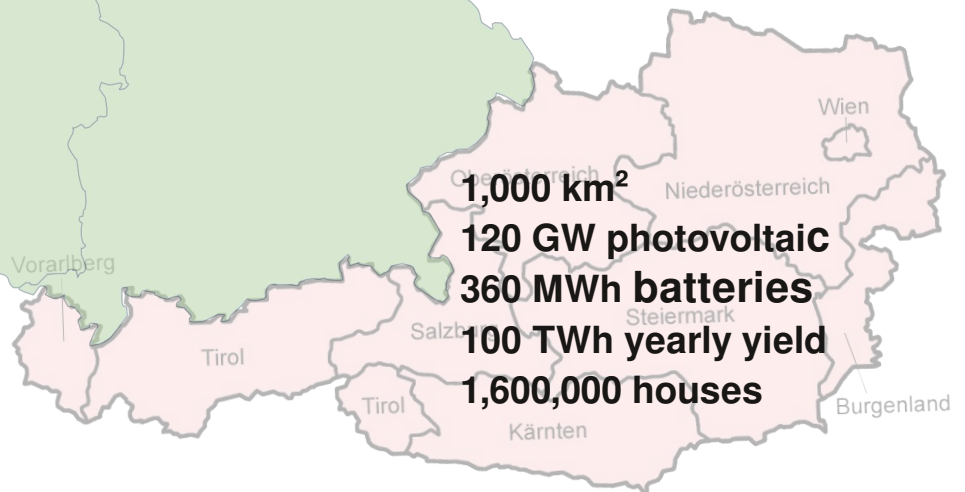
1,000 km²

120 GW photovoltaic

360 MWh batteries

100 TWh yearly yield

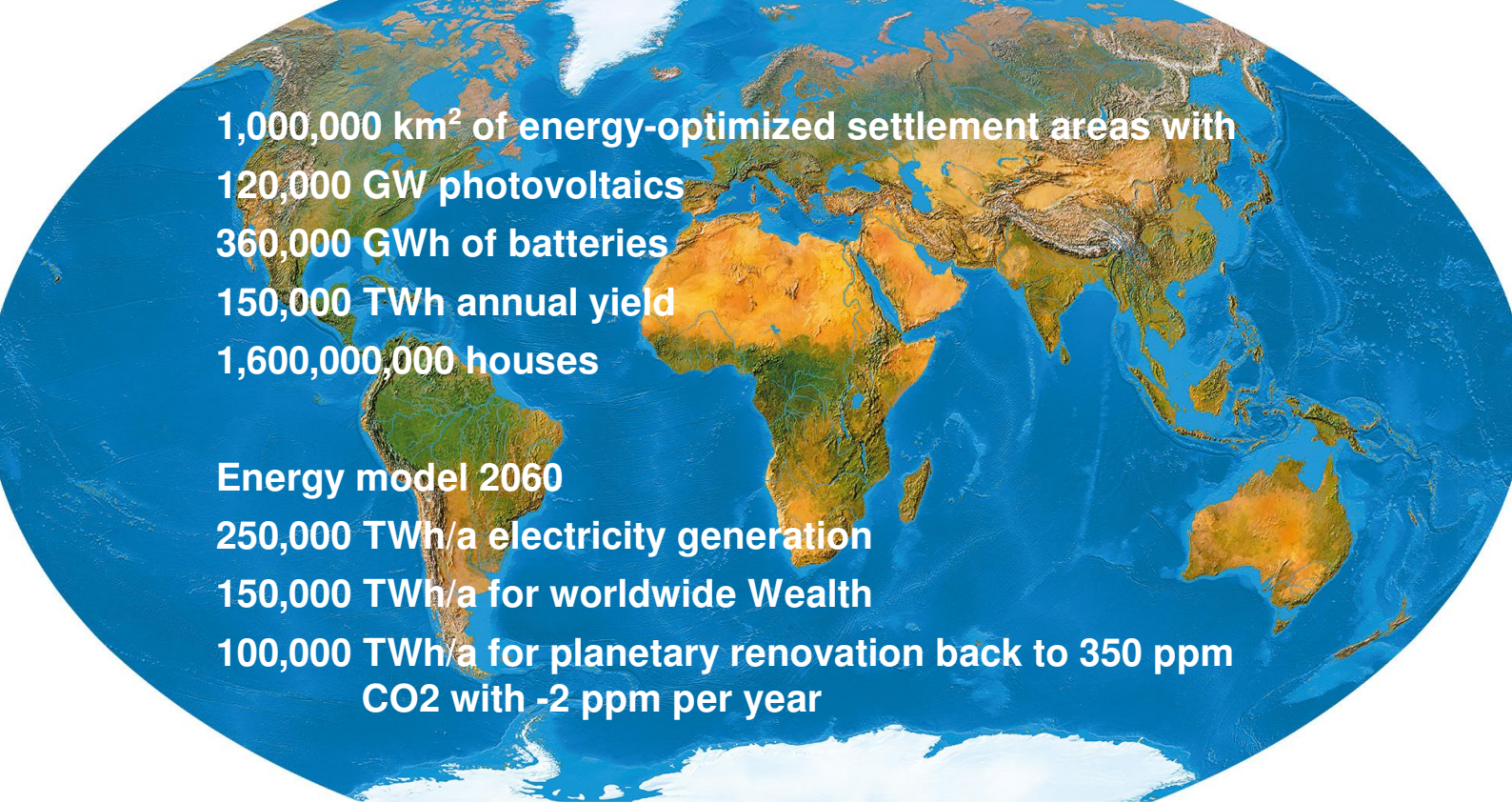
1,600,000 houses



Model of energy-optimized residential areas 2060

The aim is to build up production capacity and, from 2035, 560,000 new homes in energy-optimized residential areas with 42 GW of photovoltaics and 126 GWh of batteries per year in Germany. By comparison, Germany will have 93 GW of photovoltaics and 38 GWh of pumped storage power plants in October 2024. This is to be supplemented by further photovoltaics, 150 GW of power to methane and 80 GW of CCGT power plants for summer/winter balancing.

Once production capacity has been built up, the target is 60 million new homes worldwide with 4,500 GW of photovoltaics and 13,500 GWh of batteries per year. Most of humanity lives closer to the equator, where summer/winter balancing plays little or no role.



1,000,000 km² of energy-optimized settlement areas with
120,000 GW photovoltaics
360,000 GWh of batteries
150,000 TWh annual yield
1,600,000,000 houses

Energy model 2060

250,000 TWh/a electricity generation
150,000 TWh/a for worldwide Wealth
100,000 TWh/a for planetary renovation back to 350 ppm
CO₂ with -2 ppm per year

Humanity will succeed if it does not allow itself to be stopped

From 30,000 TWh/a to 250,000 TWh/a in 35 years, only 6.2 % more electricity production per year is required. The raw materials for this are available in abundance: Silicon for photovoltaics and sodium for batteries.

Global prosperity and a limitless future are possible if we overcome the destructive mindset of limitism. Previous attempts to fend off limitism have led to unsustainable ideas such as “perpetual oil” and “let's carry on as before”, which we must also overcome.

The commissioning of the first factory hall for the production of GEMINI next generation houses and the opening of the first model housing estate in Unken could be a major turning point. Help us to make this major turning point possible.

Regardless of whether the shares rise to 10, 100 or 1000 times their price, changing our future will be by far the most valuable thing a shareholder can achieve.

WorldWide-Wealth.org/2024/

More details
+ historical
development
up to the
current
presentation.



Roland Mösl 1991 Founder of PEGE - Planetary Engineering Group Earth

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