



SPACE MARKET VALUE 2030-2040-2050 3Tr\$ to 300Tr\$ or more



MONTE CARLO EXPECTATIONS and similar tools.

DISRUPTIVE Note

[The formalism of quantum mechanics and references can be found or added to this short note if required, because there are plenty of files.](#)

The mathematical expectations deriving from the use of linear algorithms (Monte Carlo or similar) are applicable in the short and medium term only.

For periods covering more than ten of years it is necessary to introduce industrial exploitation variables into the Solar System-(IA Intangible assets (PATENTS)).

Beyond the solar system, the applicable laws will be semi-empirical, which does not mean that they are inaccurate, but are part of an adjustment modeling of variables (industrial-geochemical-astrophysical-spatial-and kinetic (radiative, magnetic and electromagnetic - (motion of our solar system (SS) in our galaxy) 250 kms-1 - Earth 30 kms-1).

The consequences of these variables will be crucial because they will condition the colonization in the Galaxy and in the solar system-and beyond.

It is trivial that these calculations will need to be supported by AI Artificial Intelligence and therefore Quantum-like Algorithms - including non-degenerate Qubits not subject to decoherence.

Density operators will lead to the understanding of other states of matter and to its modeling.

These complex configurations will have to call upon predictive tools which are still nascent, such as QMC Quantum Monte Carlo Hybrid quantum forms.

Total dilution of the entropy of the Hamiltonian operator of annihilation and operator of creation which will generate a Negentropy Hamiltonian the only one possible allowing to consider spatiotemporal modifications which can use among others the means of which EM drive.

It is trivial that such an approach in quantum physics of space-time, will make it possible to remove the conceptual barriers of classical physics, but also to consider time as a material entity possessing a unit mass, time will become an entity in a concrete plasma state.

NASA-IARPA-DARPA-NIAC- is encouraging last month the development of NEW PHYSICS approach (disruptive concepts and experiments) QUANTUM TIME MECHANICS

(Prof Lee Smolen example) (PERIMETER INSTITUTE)

QIM BOOK (extract) Quantum Intronic Medicine cited in this note (C.D.Assoun)

<https://silicon-g57.us/wp-content/uploads/2019/08/QIM-CDA-PDF-ENGLISH-082019-FINAL.pdf>

Time Crystal (mainly used for QUBIT research and nano-experiments as well as (Quantum Computing on EARTH).

The major problem of Qubit on EARTH is the decoherence which can destroy the qualities and securities of the quantum tool performances (Quantum Computing).

With the advanced technologies in quantum science, and space industries we will be able to construct in order to trap interferences.

Indeed with a voluminal temporal structure, the Hamiltonian will be able to accept plasma values just as normally in contains a FIELD value.

SOLAR SYSTEM

VARIABLES interactions

Formalism : Quantum Mechanics

QIM book (Quantum Intronic Medicine)

<https://silicon-g57.us/wp-content/uploads/2019/08/QIM-CDA-PDF-ENGLISH-082019-FINAL.pdf>

limited pages: 5-33-106-110

PLANETS description – kinetics -composition (life duration)

MOON

Moons

SOLAR main radiation (life duration) – negentropy tools in order to change the life of termination of SUN.

Use of Solar crown in order to reinject negentropic operators in the nucleus of the Sun.

GENESIS PROGRAM

The GENESIS program might be applied to several objects in our Solar System which are apparently without internal NUCLEUS radiative activity.

GRAVITY fields

This are major studies for cosmogonic research and anti-gravity propulsion.

MAJOR PROBLEM TO SOLVE IN THE MINING SPACE INDUSTRIES

MAINLY in ASTEROIDS BELTS or extracted from MARS-MOON-Moons-PLANETS.

Between 2035-2045 it will be necessary to consider seriously the distance between the mine and the final place in order to utilize minerals or refined metals included PMGs-Rare Earth-Helium-water on EARTH or others planets of the Solar System

The space carriers must be able to take off from mines and above all be success full with the re-entry on Earth or others objects or planets.

GRAVITY fields

Prominent studies for cosmogonic research and anti-gravity propulsion

MAJOR PROBLEM TO SOLVE IN THE MINING SPACE INDUSTRIES

The space carriers must be able to take off from mines and above all be successful with the re-entry on Earth or other objects or planets.

Which obliges the mining and logistics industries to have powerful carriers with at least 60 tons of payload, and resistant to Re-ENTRY thermal shocks

This mining industry based on the capacity of Space Industries LLC's PERT program will have to benefit from powerful financing.

The transporters will have to have a special geometry for attacking the local atmospheric layers (including the Earth) and contain MGD-MHD devices which will transform the thermo-kinetics energy of the re-entry into electricity and provide radiative transfer opposing thermal shocks of the re-entry. (patent writing)

Depending on each nature of planetary atmosphere the MHD-MGD conditions will be different.

The conveyor (carrier) could be equipped with a source of hydrogen avoiding the violent phenomena of peroxidation of the metal of the structure of the conveyor (carrier).

Also in this perspective of mining exploitation and logistics it will be essential to create new alloys.

This industry of new industrial alloys will constitute a very important part of this mining industry in the solar system and its spinoffs.

Indeed the new alloys will become an essential part of the space adventure in the solar system and beyond.

Conventional alloys will no longer be used much except internally on objects like Earth.

In ET space and deep space the alloys will have to be interactive and adapt to thermal and radiative stress, including producing magnetic fields and electric power, but also serving as a receiver of electromagnetic waves for close communications between carriers and planets.

The development of these new industries will require an investment of the order of several trillions US\$ but the ROI (Return On Investment) may

Scaling up to Tr\$100

We can summarize:

Manufacture of transport vehicles equipped with anti-thermal and counter-kinetics systems for attacking terrestrial and extraterrestrial atmospheric layers (RE-ENTRY).

Industry of new alloys applicable throughout the solar system and beyond.

Interactive Engines (MGD-MHD)

Use of the PERT method (on planets, MOON -Moons, and asteroids) to produce important quantities of water essential for colonization and orbital chemical industries (artificial gravity)- (Complementary patent writing)

Elaboration of large structures for ORBITAL STATIONS and for colonization.

New alloys for the clean nuclear industry NUCLEAR FUSION.

Important use of 3He - (and isotopes of HYDROGEN ($^1\text{T}^3$ Tritium- DEUTERIUM 1D^2 -Transportation of strategic isotopes(CRYO-ENGINEERING)),

Transportation of strategic isotopes(CRYO-ENGINEERING).

Extraterrestrial Mining and REFINING (PERT PROGRAM)

ROI - 100 \$Tr

In the solar system included belts of asteroids according to ARTEMIS and 16-psychee programs NASA.

100 \$Tr QUANTUM COMPUTING is the decoherence on EARTH is solved, this successful adventure will come from DEEP SPACE.

ROBOTICS 50 \$Tr

ORBITAL STATIONS HELIOTORR YEAR 2040

Each plan of colonization will be associated to one or several HELIOTORR STATION.

ANTI GRAVITATIONAL MOTORS (PROPULSION - for carriers).

ROI 100\$Tr might be much more because will change for ever our aeronautics and space trips in Solar System and beyond.

YEAR 2050 COLONIZATION

BANKING

The banking system will start in a new era and might create a new space currency based on strategic resources including metals and isotopes of rare gases- and opening the way of SPACE INTELLIGENCE in the Solar System and beyond.

SPACE INTELLIGENCE might create a new quantum medicine with new tools and drugs and genetics elaborated in deep space.(HELIOTORR STATIONS).



To be continued

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