

## **STEM innovation product business summary**

**What will come over and beyond the usual**

**EcoVita**  
**Intelligence Renaissance Industries**  
**and**  
**TETRAD Institute**

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## Innovation Technology and Resulting Products

This is what comes from very special STEM advances and products. Over and beyond the “usual, normal, typical, expected” revenues and profits and other gains coming from the regular and traditional business operations of what these companies and the Institutes produce.

### Intelligence Renaissance Industries

IRI provides two classes of special and unique products: (1) information-technology related, as internet (software applications) and electronics (robots), and (2) very advanced energy related technologies.

#### [1]

- OASIS (“virtual internet community” for intelligent social communications, collaboration, making things together, entertainment, education and personalized trading).
  - Beyond and better than Facebook, VK, LinkedIn, Twitter, and other social networks, this is for people who want to have flexible, secure, open-ended, entertaining, and profit-making personal communications, personal and business collaborations, team-based making and manufacturing of things (“small business” levels), entertainment including MMORPG gaming, practical education and training in a variety of subjects, and personal trading (selling, bartering, investing, sharing) – all with extraordinary better cybersecurity and the advantages of augmented/virtual reality (AR, VR) and artificial intelligence (AI).
- IBANK – the Private Information Bank and Trust business with unbreakable, impregnable cybersecurity for information assets that are used as financial securities among owners, traders and brokers.
  - We will have, as something we can offer to special clients – individual persons, or companies, or even public-sector and government agencies - on a contractual basis – the strongest, most impregnable, unbreakable, secret method of protecting Information – that is possible. This is not something for the wide and open internet, and it is not something that can be broken even by emerging quantum computers.
- SELDON – the Prediction Engine for social and economic forecasting – essentially, a “Google” for predicting and forecasting key future trends and behaviors of large populations and groups
  - This is comparable to a different kind of Search Engine but it is for making predictions, forecasts, based upon what is known through ordinary facts and searches. Obviously the profit-scope is immense, with a global market consisting of individuals as well as companies and private/public organizations.
- CYBOT – the personalized and customized family of robots (“Futbal” and “Tetrad” versions).
  - This is the market-equivalent of LEGO, combined with Mobile Phones and Apps. It is for individuals, families, companies, all sorts of customers. This includes more specialized and complicated robots coming from the ASTRIC and TETHYS research, for use in space, sea, agriculture, and many other specialized industrial applications.

## [2]

There is more, in both the near-term and long-term of what comes through IRI, working in conjunction with its close partner, TETRAD Institute (TI – see further remarks below):

- ASTRIC control and robotic technology (including CYBOT robotics and cybernetics)
- GCM (Generalized Computing Machine, an advanced Nature-based, biology-based “quantum computer”)
- TERANOD nuclear fusion technology
- CYGNUS quantum-field based energy generation technology

(These products and services emerge from research initiated, conducted and led by TETRAD Institute, a partner of IRI. See also the remarks below under “TETRAD Institute”.)

## EcoVita

EcoVita does not provide special new technology products. Its business is about entertainment, education and direct experiences for visitors to the EcoVita Nature Park and its facilities, as well as to online visitors. EcoVita provides an excellent onsite and online method for reaching the right consumer audiences for many of the IRI products that are oriented to the mass-market, and for direct marketing and selling to customers, through the whole environment of the facilities for visitors. Learn about EcoVita – the Park, the Experiences, the Adventures.

Within EcoVita is the professional business service offering known as Oasis Clinic for Neurophysiological health and Wellness. This is informational, educational, and also providing opportunities for people to develop and improve their health through offerings provided in conjunction with recognized medical professionals and centers (not within EcoVita but associated as partners).

## TETRAD Institute

The Institute comprises two scientific research-focused Centers: ASTRA (cybernetics, space, robotics) and PRIMUS (physics, biophysics and computing). There are a total of five long-term Programs, all of which contain commercial-value technology and applications (ERA, RTD, NeoPlexus, PSED and LIBRARIUM, and within these five Programs are a total of eight long-term Projects (ASTRIC, TETHYS, TERANOD, CYGNUS, GCM, OASIS, SELDON and MIRNOVA).

Further information on these is at [www.tdyn.org](http://www.tdyn.org)). Among these are the really special and unique long-term value propositions and profit-makers.

- GCM - the new and revolutionary architecture for computing known as the Generalized Computing Machine. Its physics and biology foundations allow GCM to provide very promising solutions to many computer science problems not solvable otherwise; this is essentially a new and more scientifically sound approach to what is known as “quantum computing” and it has very high economic value.
- TERANOD nuclear technology (fusion for energy generation) – derived from using the GCM as the compute-engine for calculating very precise configurations of an instrument

(engine) that employs highly concentrated (solitonic) neutron beams to trigger and sustain controlled nuclear fusion.

- CYGNUS physics technology (energy generation and propulsion) – derived from using the GCM as the compute-engine for calculating very precise configurations of an instrument (engine) that will apply quantum (reflexive) topological dynamics in a manner that enables the extraction (condensation) of photons and mass-particles from the dark-energy flux of space.

Almost all of the applications within these three areas derive from advances in theoretical and computational physics including quantum optics and informatics.

Further information and contacts:

[www.tdyn.org](http://www.tdyn.org)

[www.iri.tdyn.org](http://www.iri.tdyn.org)

[www.ecovita.tdyn.org](http://www.ecovita.tdyn.org)

[www.astra.tdyn.org](http://www.astra.tdyn.org)

[www.primus.tdyn.org](http://www.primus.tdyn.org)

[www.oasis.tdyn.org](http://www.oasis.tdyn.org)

[www.mirnova.tdyn.org](http://www.mirnova.tdyn.org)