

The Optimization Projects (“TOPS”)

A Strategic Support System in Education, Arts and Science for Multicultural-Background Youth Serving to Build Leadership for A Sustainability Global Future

Including a presentation of
IRI (company), OASIS (system), and TETRAD (institutes)
with respect to how they support all of The Optimization Projects

This document provides an introduction to what are known collectively as The Optimization Projects. These constitute an ensemble of systematic, strategically-planned initiatives that are designed to work together in support of existing programs and projects underway by select organizations worldwide. The Optimization Projects (“TOPS”) embody a unified, organic and cohesive approach to education and community development that is integrally and substantively linked with entrepreneurship and leadership. The selection and guidance process, by which the individual projects within the TOPS ensemble are identified and subsequently cultivated through a combination of intellectual, financial, material, and social support, is based upon socioeconomic principles and technologies that have demonstrated strength and durability over many years and in different organizations. This process is employed to improve the long-term viability and sustainability of programs and projects in order to ensure outcomes that can be repeatedly shared and used by many people and over many generations.

There is one overriding goal to everything in the TOPS activity by its supporters, sponsors, mentors and interns. This is the vitality and sustainability of our civilization. In the 21st century, we observe severe challenges to the very survival and sustainable future of organized human life through very difficult and challenging times now and in the next few generations. The list of challenges is considerable but among the most severe facing humanity are climate changes – the dynamics, extremes and non-linear imbalances - and the threats of global and nuclear war. These are without question the major and global destabilizers in our society. Our best strengths for achieving stability, survival and sustainability of organized human life are not through technologies alone but through networks of people who can intelligently and creatively communicate, organize and lead.

TOPS are projects aimed at building intelligence, resilience, and leadership in people around the world beginning with the basic building blocks – people and their communication and interaction skills with one another, cross-culturally, trans-nationally, trans-generationally, and with an emphasis upon adaptability. TOPS builds strong networks of people who have lived, studied, and worked together, in order that they and their peers and successors will provide sound leadership with deeper understanding of our human unity and our diversities, and with capability for guiding people to adapt to severe and even traumatic changes. TOPS

concentrates its work among people in communities that are culturally, geographically, and economically distinct and separate, providing foundations for continuity well beyond the typical less-than-one-generation lifespan of most public and private projects, and indeed, with trans-generational continuity as a primary objective and set of criteria in all decision processes.

The group creating and managing TOPS intends to employ experience and resources – personal and organizational – that are outstanding in education, research and communication, and in a manner that emphasizes multicultural unity and diversity, the power of active youth and young adults, the capability of trans-generational and multi-national team-building, and pragmatism in all aspects. The outcome of TOPS in every case is People, not only papers, books and presentations, and these People are furthermore engaged and devoted to Projects that Produce – goods, yes, and services, yes, and through those, capital, but most importantly these Projects produce strong bonds, networks and organizations of People.

Within this document is also information on the principal originators, founders and supporters of TOPS, including both individuals and organizations, and the specific measures underway, employing commercial capital enterprise, by which these entities are working to endow and support a number of humanitarian, educational, scientific and cultural programs that are operated and managed by other independent organizations. TOPS is not only a funding stream but a knowledge stream and in both cases delivering long-term and open-ended formats of support. Among the partners and recipients are schools and community organizations, engaged in programs of science, technology, engineering, arts and mathematics (S.T.E.A.M.) exploration, training, internship and entrepreneurship, and doing so with emphasis on leadership development, public communications, critical analytical thinking, and the balanced practice of combining collaboration with competition (“coopertition”) in all areas of academics, gymnastics, and the arts.

The Optimization Projects, also known as “TOPS”, developed over the course of more than 25 years under the auspices of a small private circle of individuals who, independently and then progressively working together, foresaw certain developments and certain risks for the future of Earth and the human species, including several that are strongly associated with non-linear dynamics and extremes in Earth’s climate, and also with global conflict on several scales and intensities. This group, consisting of scientists, engineers, economists, and persons with extensive background in military, intelligence and international relations disciplines, committed to developing the practical foundations and resources for identifying individuals and institutions that indicated merit, recognition and support on the basis of their contributions and potential future contributions to the central objectives and principles as described previously and which now constitute TOPS.

TOPS – Projects and Targets

“TOPS Serving SOUL”

(TOP = The Optimization Projects)

(SOUL = Survival and Sustainability of Organized Human Life)

The Projects are designed to provide education, leadership, and cultural resources that can be focused upon empowerment of social activities that include education, commerce and economics, entertainment and leisure, and the spiritual and religious lifestyles of people. Thus, TOPS aims to empower specific individuals and organizations including schools and associations, with a focus upon employing an integrated model of using scientific, technical, and artistic development.

Identified Projects and Institutions

These are among the initial projects that have been supported by the group thus far in a variety of ways including funding, volunteership, internship, public relations, lobbying, and coordination of activities such as corporate responsibility programs. The list is small because activities have been mostly informal and individually-based in the past. Now, with the emergence of a formal network of corporate, non-profit, public institutions and private individuals, there are opportunities and plans underway to solidify and expand TOPS to reach more and to network more together.

EcoVita

Smart Farming and Smart Energy education and internship projects managed as part of the university-level curriculum of EARTH University (www.earth.ac.cr) and with target activities in Costa Rica, Brazil, Argentina, and Colombia.

Nativity Miguel

A network of elementary-to-middle level schools operating in Buffalo, New York and other cities in the USA, serving underprivileged inner-city children and their families (www.nativitymiguel.com)

Canisius High School

A Jesuit high school (www.canisiushigh.org) that has consistently demonstrated the combination of academic, physical, and spiritual education that is a model for the TOPS process, and which over its nearly 150 years of history has produced many of the type of persons who demonstrate character and abilities of the type needed in all our societies.

Nikolka

A private foundation focused upon developing positive academic and community skills among children who have individually and collectively endured abuse and neglect because of physical and neurological disabilities and family dysfunction. The program underway includes student team projects in STEAM areas that are all connected with environment, climate, energy, and community. This is a very unique grassroots development by the founders of the Foundation.

Others To Be Selected

A review is in progress of schools in several countries that have particular programs and strengths in what is important for TOPS criteria. Among the principle criteria are:

Humanities including cross-cultural ethics, traditions, values

STEM aligned with social and community development

[more]

TOPS organizers – the Support Network

The latter include specifically one private technology-centric company, a consortium of four scientific research institutions, and a suite of commercial products in the domain of information and social media. Together these and other partners, sponsors and supporters are constructing the financial and organizational engine whose purpose is to empower many individuals, groups and organizations around the world that are contributing through communication, collaboration, education, innovation toward stability and health in all aspects of life.

Intelligence Renaissance Industries (IRI)

IRI is a private corporation (USA). Its business consists of four components, all of which involve the acquisition

and generation of information in manners that serve populations of individuals, social communities and both private and public institutions including companies. Visit www.iri.tdyn.org

Two of these components emphasize a new generation and maturation of social communication, collaboration, entertainment and other principal social functions. These components deliver products for global markets of individuals and groups. The products deliver a combined digital and real-world set of experiences through an environment in which people participate as residents, visitors, players, traders, and through a new class of games that are also online (“MMORPG”) and onsite (“tournaments”). The environment is known as OASIS and it includes an evolved new suite of technologies combining and integrating the digital online experience including virtual reality with real-world media and experience. The games comprise the XMOS games which emphasize adventure, learning, teaming (collaboration and “coopertition”), education, and also trading.

Collectively, IRI delivers what is known as the COMEET experience –

“communicating and collaborating” (purely socially, for fun, and also in projects such as one finds in environments like Slack.com),

“making” (including fabrication of new things, ranging from jewelry and personal fashion to wearable electronics and a very wide range of commodities of which the physical final versions are produced through 3D printing and other means)

educating (learning in manners that are not limited to the usual, traditional ways of courses, lectures, etc.)

entertaining (certainly through games, both “ours” and many other leading MMORPG and e-Sports offerings, but also through parties and events that span from the digital “virtual” world to real, physical, onsite get-togethers)

trading (spanning from what people may do in the context of playing a game, attending a party, being in a learning event, making a new invention with friends, and this spans from personal and informal trading of any acceptable asset type to buying, selling, trading that involves fiat, commodity or fiduciary currency (or any other representative currency), or one of the digital cryptocurrencies).

The TETRAD Institutes (TETRAD)

There are four institutes, centers of research and education activity, that form an integrated family structure.

PRIMUS Institute of Foundational Physics

www.primus.tdyn.org

OASIS Institute

www.oasis.tdyn.org

MIRNOVA Institute for Creative and innovative Science

www.mirnova.org

ASTRA Institute

www.astra.tdyn.org

All of these have committed to directing some portion of any proceeds from revenue streams connected with the sale or transfer of intellectual properties, patents and technologies to charitable recipients such as, principally, the type described as The Optimization Projects (TOPS).

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