

Engineered Sustainable Development

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From a global human perspective, there is vast untapped potential in the world community, as clearly indicated by the vitality and well-being we see everywhere around us. There is an understandable tendency to focus on bad news, and there are many people in distress, often related to poverty. We are developing a new model designed to lift the burden of that pain.

The model is an investment process to extract sustainable value from people and resources. It is an investment in an integrated engineering approach to solving social, economic and environmental issues to achieve sustainable prosperity, social cohesion, revitalized ecosystem and elevated trust and cooperation in the world community. The model is different from others in the way it solves interlinked issues in an integrated manner and in its concurrent application in many communities with similar requirements.

The engineering approach thrives on the effective use of processes, tools, and resources throughout the life of a project. It brings people with diverse skills and backgrounds and end-users to work together in achieving the objectives and making the experience enjoyable. Successful engineering approach involves raising awareness and accelerated training, creates capability in people, instigates broader participation, and makes a productive and engaged society. Committed people are solutions and solution seekers now and for future generations. The core features of the approach are its educational and fast-tracked hands-on programs that enable every person to do the right things the proper way, lift them to be productive in a diversified economic system and become active participants in the world of suppliers and consumers.

Previous models and actions targeting poverty and associated ills have contributed a lot. However, over one billion out of seven billion people in the world cannot afford to feed themselves, go to sleep hungry and do not have access to clean water and most live in the dark. Millions die every day for lack of treatment from preventable sickness. Many of them work hard from dawn to dusk and still cannot get it right. This condition is getting worse. For survival millions are migrating, while others picking-up arms are causing a crisis and threatening global peace. The model or the engineered sustainable development (ESD) approach is designed to reverse this course.

ESD helps everyone work for peace, clean planet, harmonious life and strengthened empathy with everyone fulfilling their needs. The model pays back attractive returns while solving social, economic and environment problems. It is a transparent process with full public participation in all aspects of the work. Many of the steps and processes have worked in many parts of the world.

Bantyeahun Tezazu is the founder of 4epr.org living in Toronto Canada. He got BAsC and M.Eng Degrees in Electrical Engineering from the University of Toronto in Canada. He worked as a planner, investment advisor, and risk manager in the electrical power system industry for over 25 years. His web page is www.4epr.org.