

**The Integrated Artificial Intelligence, Robotics, Human Body  
Biotech, and Mass-Scale Outer Space Tech Promotion,  
Research, Development, and Commercialization**

**The Masterplan for Transhumanizing the Human Species**

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For even more of Robocentric's masterplan for advancing AI,  
robotics, biotech, and outer-space tech, read *The Future*  
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# I. Project summary

My view is that artificial intelligence, robotics, human body biotech, and mass-scale outer space tech are deeply interrelated, and without considering and advancing them together, a single one of them cannot be advanced sufficiently enough to have a broad socioeconomic impact and consequence across the entire humanity.

Artificial intelligence is required in robotics, human body biotech, and mass-scale outer space tech; hence, the other technologies cannot sufficiently advance without sufficiently advancing artificial intelligence first.

Robotics is required in human body biotech and mass-scale outer space tech; hence, the other technologies cannot sufficiently advance without sufficiently advancing robotics first. To advance human body biotech, macroscopic, microscopic and nanoscopic robot design and use is required; to advance mass-scale outer space tech, manufacturing and using astronomical numbers of outer-space robots is required.

Human body biotech is required for safe and secure mass-scale outer space human travel and living, for easily and cheaply recovering from human body damage and death in outer space.

Nanotechnologies developed for nano-assembling advanced robot hardware components will be applied to manufacturing human body parts and synthetic outer-space materials for spaceship and outer-space human habitat components.

In my view, artificial intelligence, robotics, human body biotech, and mass-scale outer space tech are deeply and fundamentally interrelated and interconnected in promotion, research, development, and commercialization.

My approach is promoting, researching, developing, and commercializing all of artificial intelligence, robotics, human body biotech, and mass-scale outer space tech, because I've concluded that doing so is absolutely necessary in radically advancing the technologies in these areas.

This masterplan summarizes my integrated approach to promoting, researching, developing, and commercializing artificial intelligence, robotics, human body biotech, and mass-scale outer space tech—starting with the initial main focus on advancing the science, technology, and capitalism of artificial intelligence and robotics.

Artificial intelligence, robotics, human body biotech, and mass-scale outer space tech are viewed by many, including myself, as the technologies of the future that will create vastly greater human possibilities, promises, and prosperity.

I expect that further advancing artificial intelligence and robotics will exponentially increase the manufacturing capabilities in America and elsewhere in the First World. I envision that advanced artificial intelligence and robots will be essential components in advanced human body biotech, especially in human body part and whole human body manufacturing and replacement. I envision that advanced robots will be manufactured and used in outer space in massive numbers, for building and maintaining mass-scale outer space human habitats.

I expect that advancing human body biotech will eradicate all the incurable diseases and disabilities in the living human bodies, and enable the human multitudes to have unlimited health, youth, and longevity.

I expect that advancing mass-scale outer space technologies will enable interplanetary, interstellar, and intergalactic mass-scale outer space humanity expansion.

I see advancing artificial intelligence, robotics, human body biotech, and mass-scale outer space tech as the most critical, and most rewarding, scientific, technological, and capitalistic venture in the 21st century.

The **first major goal** of this project is to develop and market the artificial intelligence (AI) and robotics technologies that I envision, that will have highly advanced vision-motor coordination, robot motion planning and execution, and dexterity, that will be able to perform enormously complex and sophisticated manual tasks that only humans have been able to perform so far. I **aim** to complete and commercialize the novel computer vision technology that I have been working on, for enabling revolutionary visual recognition and reasoning capabilities in artificial intelligence systems and robot hardware units. I **aim** to develop and commercialize the novel robot hardware design and manufacturing software and hardware technologies that I envision, that will nano-technologically assemble artificial monomers and polymers for robot bones, muscles, ligaments, tendons, nerves, fuel circulation channels, skins, and sensors. I **aim** to develop and commercialize the novel robot-control and task-management technologies that I envision, that will enable robots to be versatile and practically limitless in performing a wide variety of manual tasks. I **aim** to enlarge and double the First World national economies via exponentially increasing the use of robots in the First World.

The **second major goal** of this project is to develop and market the human body part and whole human body manufacturing and replacement biotechnologies that I envision, that require the scanner, computational-modeler, designer, synthesizer, and replacer human-body biotechnologies that I envision. I **aim** to

develop and commercialize robotic scanner human-body biotechnologies, that can exhaustively, thoroughly, and completely probe human-body matter at macroscopic, microscopic and nanoscopic levels, and digitize and store the scanned human-body matter structure (the overall form or organization) and compositions (the proportions of different parts) on computer for computational human-body modeling, analysis, simulation, and prediction; I envision the scanner human-body biotechnologies that can identify and record the size and type and 3D location of every biological cell in an entire human body, count the number of human-body cells for every type of human-body cell in an entire human body, and identify and record the atomic and subatomic structure and composition of every type of biological cell in the human body, for the purpose of developing other types of biotechnologies for human health and longevity. I **aim** to develop and commercialize computational-modeler human body biotechnologies, that can model, analyze, simulate, and predict the number or count of every type of cell and tissue, and all the statistical 3D locations and physical state evolutions of every molecule, cell component, cell, tissue, and organ in a human body at the molecular, atomic, and subatomic levels, for developing other types of biotechnologies such as anti-aging human biotech, human longevity biotech, human health biotech, human medical biotech, human body part and whole human body manufacturing and replacement biotech, human life-protection biotech, human resurrection biotech, cosmetic, medical, and behavioral human genetic engineering biotech, neurotechnology, and bionic biotech. I **aim** to develop and commercialize designer human-body biotechnologies, that allow humans to design biomatter and lifeforms down to the cellular, molecular, atomic, and subatomic levels for synthesizing or manufacturing the human biomatter and lifeforms that are designed on computer. I **aim** to develop and commercialize synthesizer human-body biotechnologies, that can manufacture every type of human-body molecule, genome, cell component,

cell, microorganism, tissue, organ, and whole human body, for medical and human-longevity applications. I **aim** to develop and commercialize macroscopic, microscopic, and nanoscopic robotic replacer human-body biotechnologies, that can replace any and every existing human body part with a manufactured human body part, for curing any and every disease and disability in the human body, rejuvenating old living human bodies, and enabling indefinite human longevity or lifespans. I **aim** to build a large-scale, mass-market biotech economy with a large number of biotech equipment, biotech service, and synthetic biomatter consumers, for increased biotech equipment, biotech service, and synthetic biomatter production and use in healthcare, human food production, households, businesses, manufacturing, construction, and services.

The **third major goal** of this project is to develop and market the interplanetary mass-scale outer space humanity expansion technologies that I envision. I **aim** to develop and commercialize one or more artificial nuclear-fusion reactor powered constant-1g-acceleration spaceship propulsion systems, that will enable traveling between any two planets within the Solar System in several days or a couple of weeks at the most. I **aim** to develop and commercialize a group of different types and classes of artificial nuclear-fusion reactor propelled constant-1g-acceleration spaceships with all the required human life-support systems, for enabling the interplanetary mass-scale outer space humanity expansion in the Solar System. I **aim** to develop and commercialize a group of different technologies for mass-scale outer space mining and construction that will enable building mass-scale outer space human habitats in the Solar System, particularly on or above the Earth-like-gravity planets—namely, Venus, Saturn, Uranus, and Neptune. I **aim** to build a mass-scale outer space economy with mass-scale outer space transportation, mining, manufacturing, communications, construction, human travel, and human living.

This is a multi-decadal project, with high risk, high potential for failure, and extremely high reward sub-projects that will steer the course of humanity and transhumanize the human species when fully realized.