



SETCOIN GROUP

DIGITAL SERVICES ECONOMY

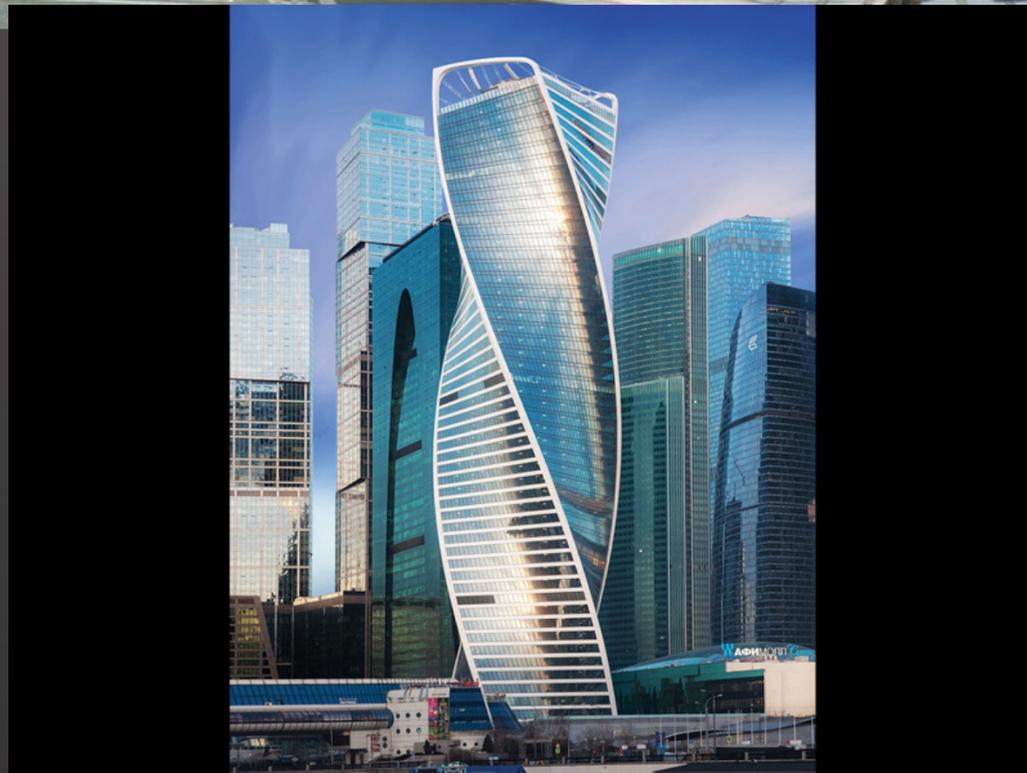
ENVIRONMENT SOCIAL GOVERNMENT (ESG) & SUSTAINABLE DEVELOPMENT LONG-TERM GROWTH

2050 TRANSFORMATION FRAMEWORK



GREEN & ENVIRONMENT FRIENDLY BUILDINGS

- ▲ Biomimetic and plus-energy buildings that produce their own power, vertical forests, pollution-removing towers and boats, floating cities and oceanscrapers, vertical food farms
- ▲ Projects that meet the major urban and ecological challenges of the 21st century.
- ▲ Green and sustainable design
- ▲ Solving environmental and overpopulation problems.
- ▲ Each of this green project showcases its green credentials in combining bioclimatic rules such as solar cycle and prevailing wind directions on the one hand, with renewable energy technologies in the form of wind turbines, thermal and photovoltaic solar energy, rainwater recycling, geothermal energy, biomass, upcycling of biomaterial on the other hand.
- ▲ People-oriented and environmentally-friendly architecture that ushers in new eco-lifestyles and new circular economy.



E-HEALTH & PERSONAL MEDICINE

In Estonia, patients own their health data and hospitals have made this available online since 2008. Today, over 95% of the data generated by hospitals and doctors has been digitized, and blockchain technology is used for assuring the integrity of stored electronic medical records as well as system access logs. e-Health solutions allow Estonia to offer more efficient preventative measures, increasing the awareness of patients and also saving billions of euros. Each person in Estonia that has visited a doctor has his or her own online e-Health record, containing their medical case notes, test results, digital prescriptions and X-rays, as well as a full log-file tracking access to the data. Therefore, doctors can access their patient's electronic records, no matter where they are and make better informed treatment decisions.



GROWN BY ROBOTS WITH LOVE

Our growing process takes a human led, robotics-first approach to ensure every plant is grown at its best from seed to harvest.



Smart Aeroponics

We use aeroponics to mist the roots of our greens with nutrients, water, and oxygen. Our aeroponic system is a closed loop system, using 95% less water than field farming and 40% less than hydroponics.

Smart Light

We use LED lights to create a specific light recipe for each plant, giving the greens exactly the spectrum, intensity, and frequency they need for photosynthesis in the most energy-efficient way possible. This engineered lighting allows us to control size, shape, texture, color, flavor, and nutrition with razor-sharp precision and increased productivity.

Smart Nutrition

We are constantly monitoring all of the macro- and micronutrients for our plants to provide them with everything that they need to thrive. We are able to take the exact same seed from the field and grow it in half the time as a traditional field farmer, leading to 390 times more productivity per square foot than a commercial field farm.

Smart Data

Our plant scientists monitor more than 130,000 data points every harvest. They are constantly reviewing, testing and improving our growing system using predictive analytics to create a superior and consistent result. With remote monitoring and controls in place, we have minimized the typical risks associated with traditional agriculture.

Smart Substrate

We have developed a patented, reusable cloth medium for seeding, germinating, growing, and harvesting. Our growing cloth medium is made out of BPA-free, post-consumer recycled plastic, each taking 350 (16.9 oz) water bottles out of the waste stream. The cloth can be fully sanitized after harvest and reseeded with no risk of contamination, acting as a barrier between the mist and the plants.

Smart Pest Management

Every aspect of our growing process has been optimized to minimize and mitigate pest proliferation. In addition to our controlled, indoor environment, our growing methods disrupt the normal life cycle of common indoor pests so that they never get started.

Smart Scaling

The size and configuration of an AeroFarms system are highly customizable. The systems are comprised of modules that serve as building blocks that can be stacked vertically or lengthwise. This allows us to grow in varied locations and achieve ultimate yield per square foot, no matter the space, with quick installation.





EXPONENTIAL GROWTH TECHNOLOGIES

2% GDP Spending at Research & Development Next Generation Technologies that become fundamental for human being civilization future exponential growth

Humanity as civilization needs to continue explore the world and Universe where we are living. To achieve new purposes we can't use previous solutions that was help us come today there where we are now, we need new solutions for next generations to be able grow and explore the world where we are live.

We need to focus at technologies that before now was reviewing by people only in fantastical books & movies but in next few decades this technologies become our reality as anything else that we use now in everyday life but in few decades earlier it was only in fantastic literature & movies.

To be able explore our Galaxy & other Galaxies in our Universe we need technologies that would allow us to grow at intergalactic civilisation

ANTIGRAVITY

ZERO POINT ENERGY

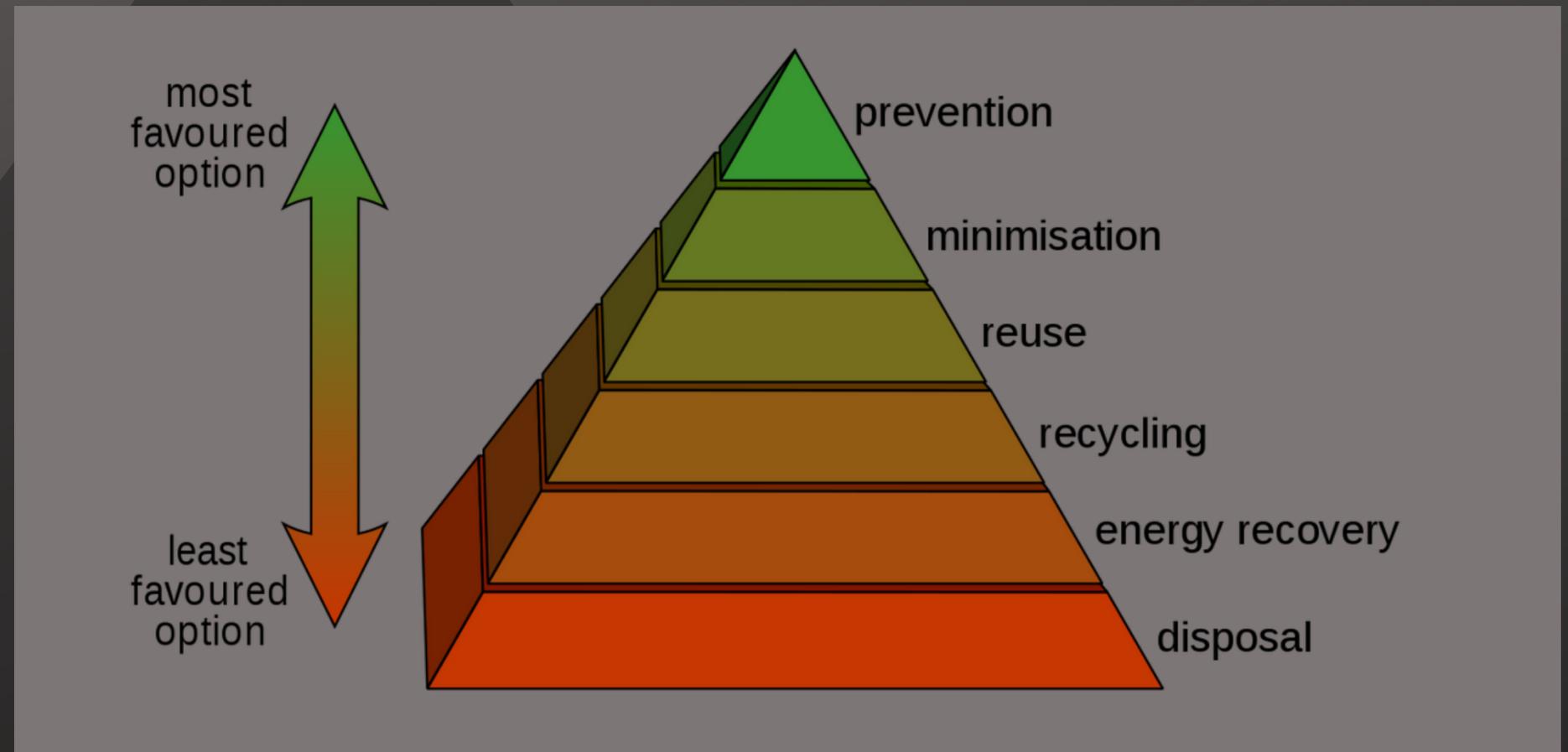
SUPERCONDUCTORS

ALTERNATIVE TECHNOLOGY

DEMATERIALIZATION IS THE FUTURE OF AN ECOLOGICALLY AND ECONOMICALLY BALANCED WORLD

Dematerialisation is closely linked with improving products' efficiency and with saving, reusing or recycling materials and products. It entails actions at every stage of the production and consumption chain: resource savings in material extraction, improved eco-design of products, technological innovations in the production process, environmentally conscious consumption patterns, recycling of waste, etc.

Dematerialization is a technological term that defines the reduction of material used per unit quality of life. You may have noticed the plastic sack at the grocery store getting thinner, but it is still strong enough to carry your groceries. Over the years, it may seem that you can squeeze the pop can you drink from more easily with your hand though you may not have gotten any stronger. These types of changes in products are the result of dematerialization, using fewer natural resources in products, using more recycled resources, and extending the life of products.



The production and consumption of products is destructive to the environment and contributes to poverty and hunger. Dematerialization means using fewer natural resources, using more recycled resources, and extending the life of products. The growing role of knowledge, information, and culture should make it possible to displace materials and energy more intelligently and ingeniously, thus allowing us to satisfy basic human needs with fewer resources.



DEMATERIALIZATION FACILITATE GROWTH SERVICES ECONOMY

In a services economy consumers can purchase service, rather than a physical product, from a service provider.

"For example, we don't want the washing machine, we want clean, dry washing; we don't want the drill, we want to have a picture hanged." (Rolf Jucker - 2000)

Through dematerialization a physical product is replaced by a non-physical product or service reducing a company's production, demand and use of physical products; and the end-user's dependence on physical products. This strategy realizes cost-savings in materials, energy, transportation, consumables, and the need to manage the eventual disposal and/or recycling of a physical product. Dematerialization may involve making a product smaller and lighter, replacing a material product with an immaterial substitute. One common example of this that we currently practice is the replacement of postal mail with E-mail. Reducing the use of material or infrastructure-intensive systems allows us to make changes like telecommuting versus the use of the automobile for work purposes.