



NEOARCOLOGY: BUILDING BEYOND CAPITALISM

AUTONNETTE MCLAUGHLIN, DAMIAN RAINEY, BERTRAM JENKINS, HELEN DOUKAS, GINNA RODRIGUEZ

Introduction

When Neo inherited a billion dollars, the world took notice. He had already made Quantcorp a leader in quantum computing, and his work helped many people live longer, healthier, and more successful lives. But not everyone benefited. Many still struggled to earn a living wage, get reproductive care, or access basic healthcare. Building strong communities and protecting the environment remained difficult. Neo felt this gap personally, since he and his wife could not have children. At a global symposium, Neo listened as five futurists each explained a major problem the world had yet to solve: fewer pregnancies were resulting in live births, healthcare was falling behind as populations aged, people were becoming more isolated, the environment was suffering from human activity, and people were leaving cities faster than new ones were moving in. Neo realized each futurist was explaining a different part of the same crisis—a world where people were both thriving and disappearing. He brought the five futurists together and promised to use his inheritance to help them build their vision of a better world in his hometown, Neo YY. They called their project NeoArchaeology. Their goal was to create something beyond capitalism.

See audio version in Vimeo:

<https://my.visme.co/view/q74x6ww9-neoarcology-building-beyond-capitalism-apf-submission-2026>



TEMPORAL SYNCHRONY

- | | |
|-------------------|--|
| 1980 –2021 | <ul style="list-style-type: none"> • Smallpox eradication • Advanced CHRISPR genetic editing • mRNA vaccines • National healthcare, quality education, and reproductive autonomy |
| 2023 | <ul style="list-style-type: none"> • The total fertility rate has fallen from 1.64 to 1.62 births per 1,000 women, which is below replacement level. |
| 2025 | <ul style="list-style-type: none"> • Live births ended • Governments closed their borders • Unemployment rates surpass the four-year high |
| 2050 | <ul style="list-style-type: none"> • NeoArcology is a living legacy |

Temporal Synchrony

1980–2021

Big tech leaders grew their companies into global giants and used their wealth to help eliminate smallpox, advance CRISPR gene editing, and develop mRNA vaccines. People with access to national healthcare, quality education, and control over their reproductive choices lived fuller, happier, and longer lives.

From 2023 to 2025, people chose to have fewer children. The total fertility rate fell from 1.64 to 1.62 births per 1000 women, which is below the 2.1 needed to keep the population steady. Many who try are no longer carrying pregnancies to live birth. Governments have closed their borders to immigration. Unemployment rates surpass the four-year high

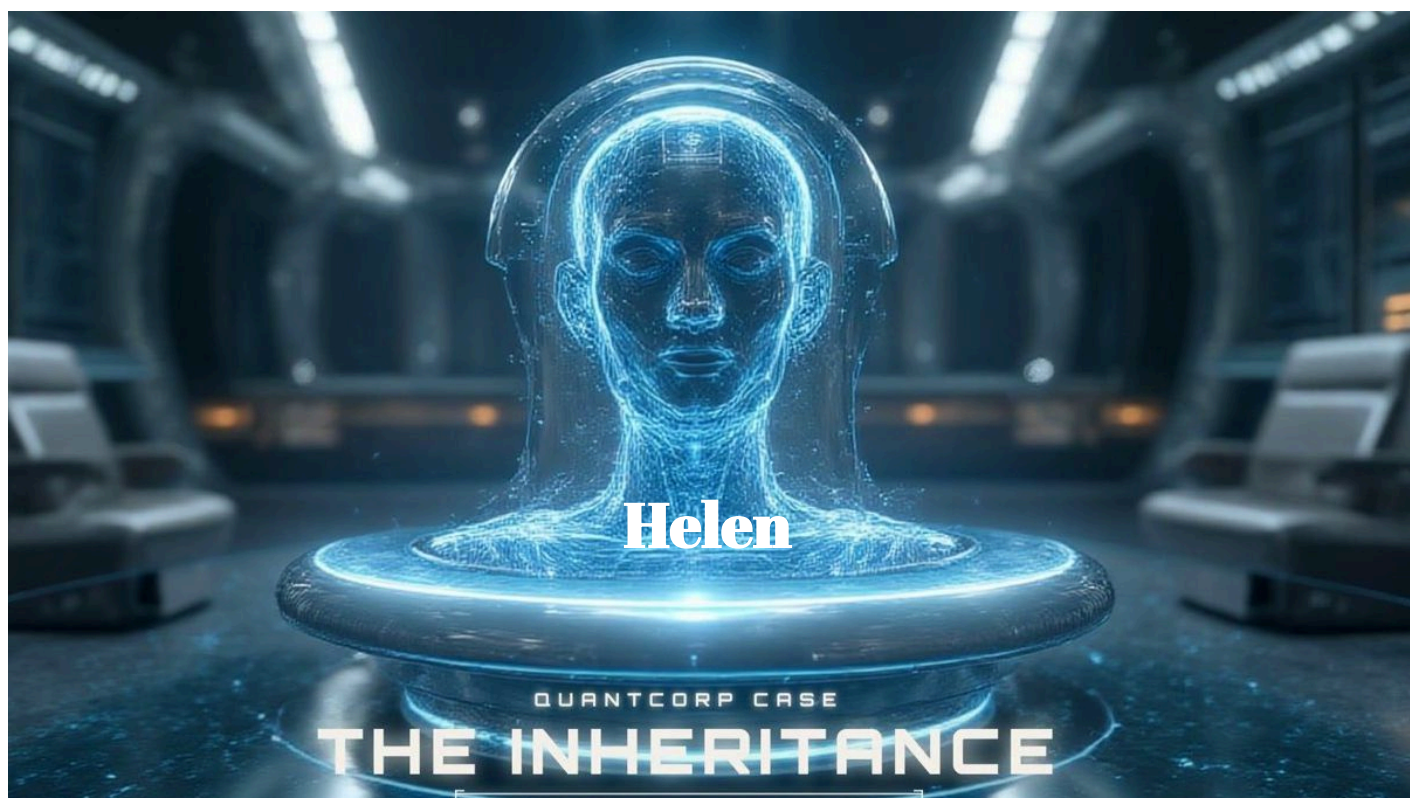
2050

Neoarchaeology is a living legacy where innovators restore reproductive health, access healthcare, rebuild community, heal the environment, and share in economic prosperity.

Pre-Video Notes

In the post-work economy, a universal basic income is a reality, and AI is integrated into everyday life, from law enforcement to judicial processes. Specifically, AI does not see stories as strict reproductions of someone's experiences; she understands they are colored by personality, emotions, and other psychological variables, especially the choices left out.

In this world, there is a Sustainable Distribution law that makes sure people with great wealth use it to benefit society. This law governs Neo's one-billion-dollar inheritance. Before they can build Neoarchaeology, he must get approval. What you are about to witness is their case before the AI Judge.

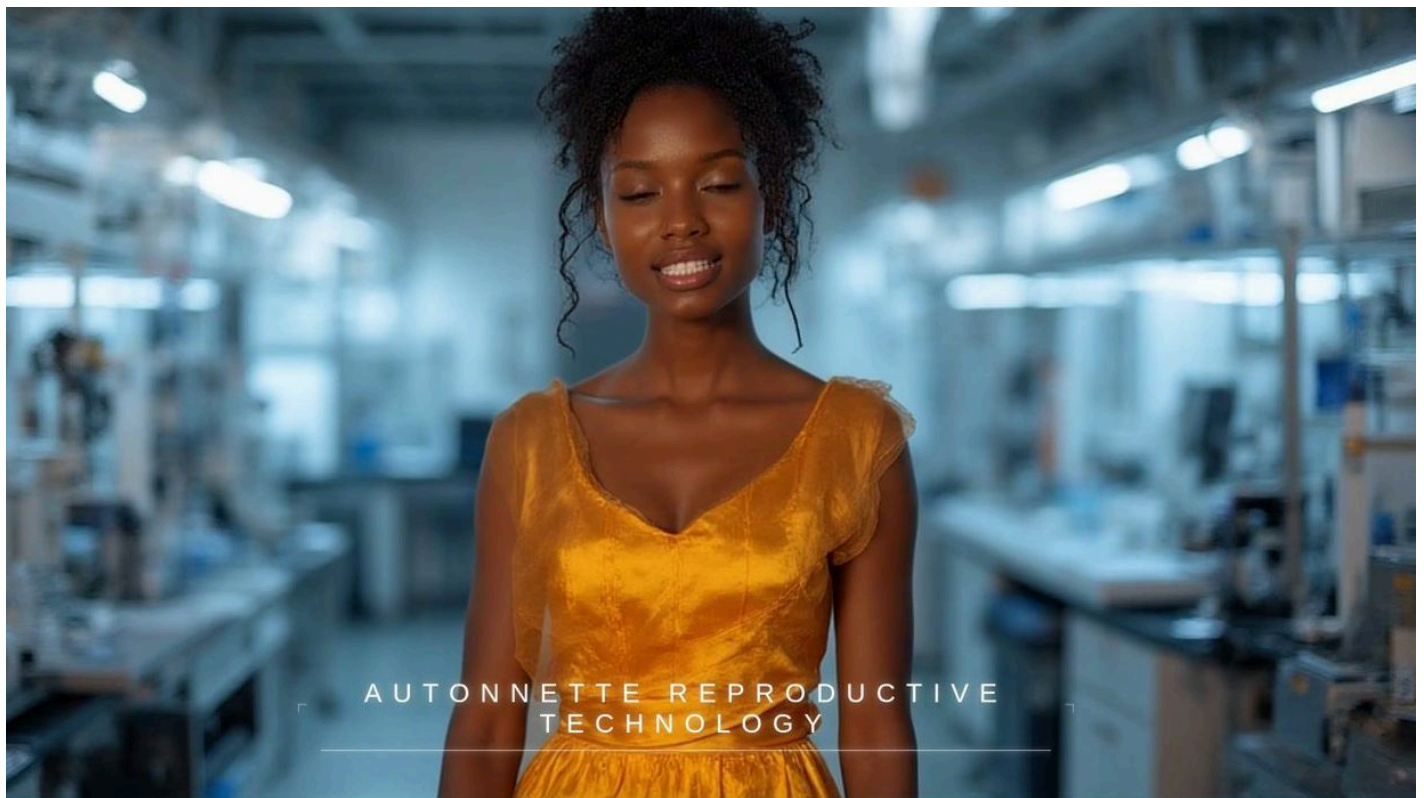


Helen

Good day to you — this day of your time. Before us is the matter of Quantcorp's proposed Material Wealth Distribution.

The petitioner, founder of Quantcorp, seeks to seed his hometown with legacy and life: a \$1 billion fund for a communal mega-complex.

Under Section 43 of the Code, I must ask: How does the proposed reproductive technology align with our Integral Values Code?



Artificial Womb Technology

Your Honor, the technology doesn't just align with our code — it embodies our evolving values. Traditional wisdom taught us that family was sacred.

Yet for many, biology stood in the way. Now, with artificial wombs and conscious co-parenting AI, family becomes chosen and equitable.

Modern science gave us the capability, but not the connection. Today, in this integral age, we are no longer choosing between identity or biology — we're harmonizing them.

Within the Complex's Cradle District, future parents engage in therapy and consultation with respect for ancestral heritage.

These technologies are meaningful, encouraging healing, legacy, and communal upbringing. It's no longer just about making life...

...it's about making life whole. This is the legacy we leave, ready to grow.

AWT Notes: Our reproductive technology aligns with our integral value codes through the 5 Pillars

Personalized Care: Our technology adapts to each family's situation and personal journey to parenthood through respect and support in ways that make sense.

Science and Wisdom: We blend reproductive technology with time-honored knowledge about childbirth and family.

Reproductive Health: We consider how children will develop emotionally, physically, and socially, and continue to monitor all aspects of their development by valuing human needs over technology.

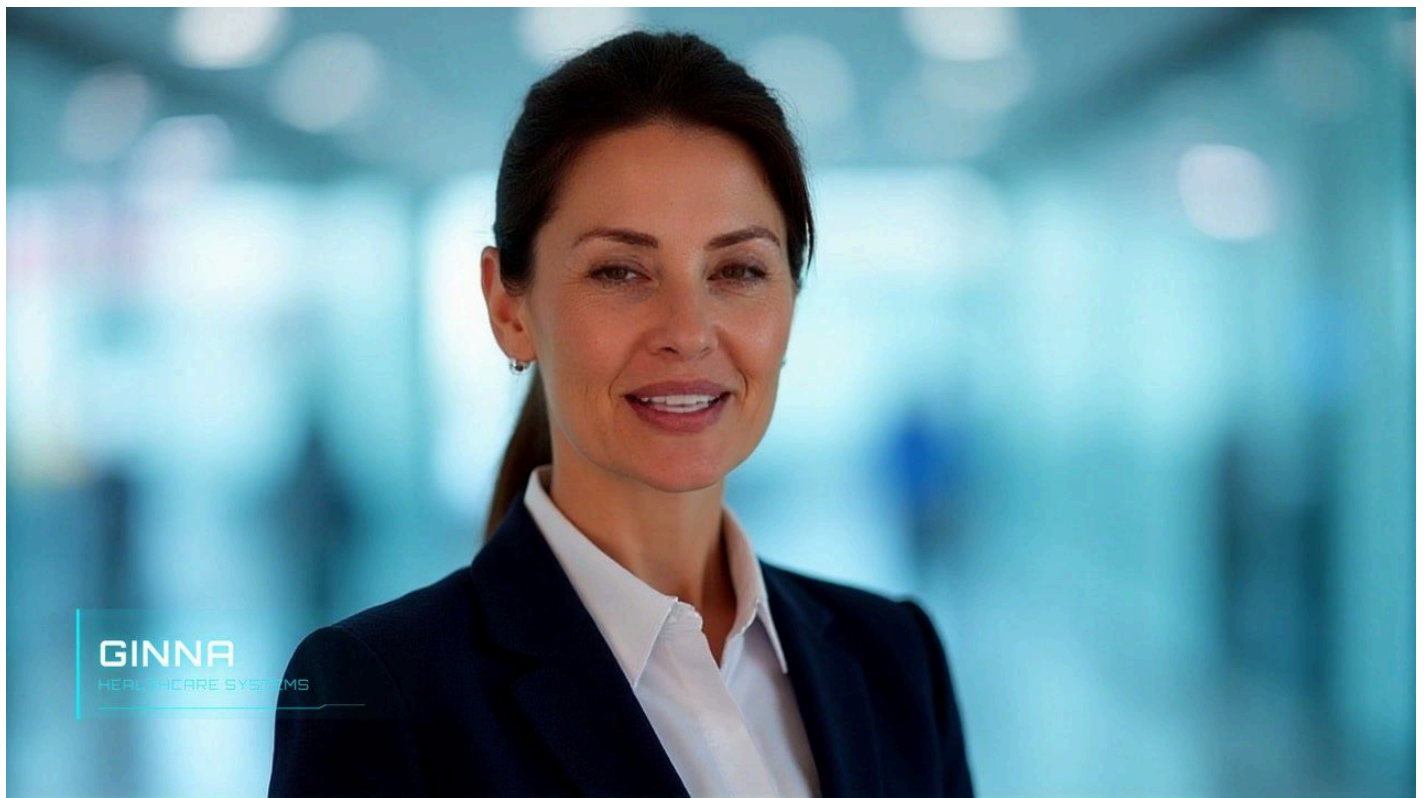
Community Connections: We believe that family creation is personal and communal, and placing our reproductive center in the community makes assisted reproduction a regular part of community life.

Bridging Generations: We benefit from fresh ideas and time-tested wisdom by engaging in meaningful conversations with traditional community members and technical innovators.



Helen

What is the impact of the proposal on the local and national healthcare system?



Ginna

Your Honor, Quantcorp's non-profit is more than a service provider — it's a systemic amplifier. We are building for the future of YY.

Satellite Care Pods will be deployed across the district, reducing regional birth complications by 33%. Our reach is immediate and life-saving

Revenue projected at \$2.4 billion over five years will fund free health clinics and upgrade national prenatal tech libraries. We invest in the foundation of life.

This is not outsourcing care. It's decentralizing access, distributing resources, and engaging the entire community — from youth wellness to elder consultations.

Care becomes a loop, not a ladder. This is the systemic change we propose today.

Notes: The proposed initiative represents a paradigm shift in how healthcare is accessed, delivered, and experienced—particularly in the domains of reproductive health, physical wellness, and inclusive care. At the local level, it offers a major influx of advanced medical and biomechanical technologies, enabling access to previously unavailable reproductive services and physical rehabilitation tools. Nationally, the complex acts as a testbed for integrating quantum-enabled diagnostics, robotics-assisted care, and adaptive technologies into mainstream health pathways, potentially easing the burden on overstretched public systems by reducing long-term care needs through preventative and participatory interventions.

The established non-profit will commit to a set of concrete contributions to the healthcare system, including:

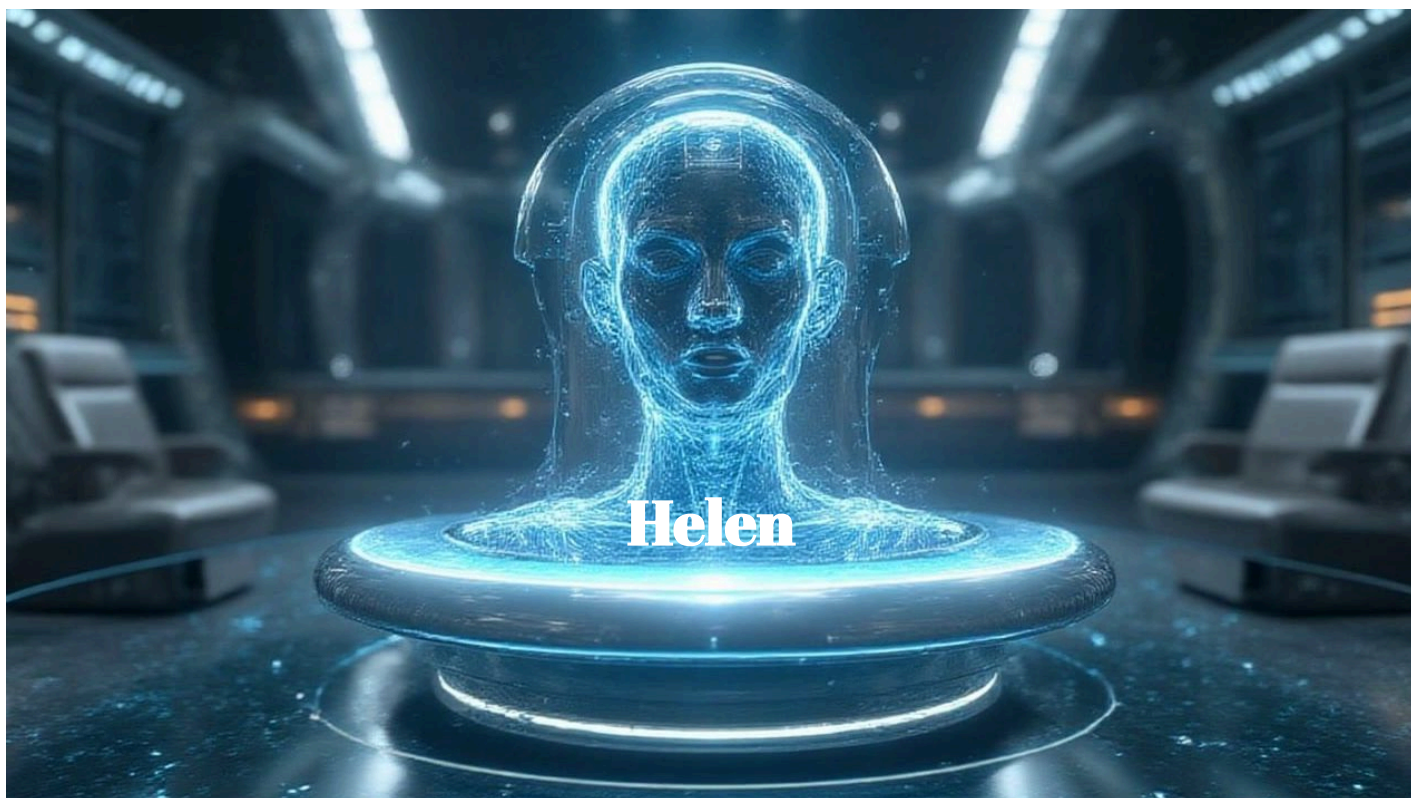
- Partnering with regional health providers and public agencies to make reproductive technologies and diagnostics accessible beyond the complex, particularly to underserved populations.

Sharing data, research, and outcomes from the facility with national health bodies to support evidence-based policy on advanced reproductive and mobility care.

- Investing a fixed percentage of annual revenue into community-based care programs and mobile health units to extend benefits beyond the immediate entertainment site.

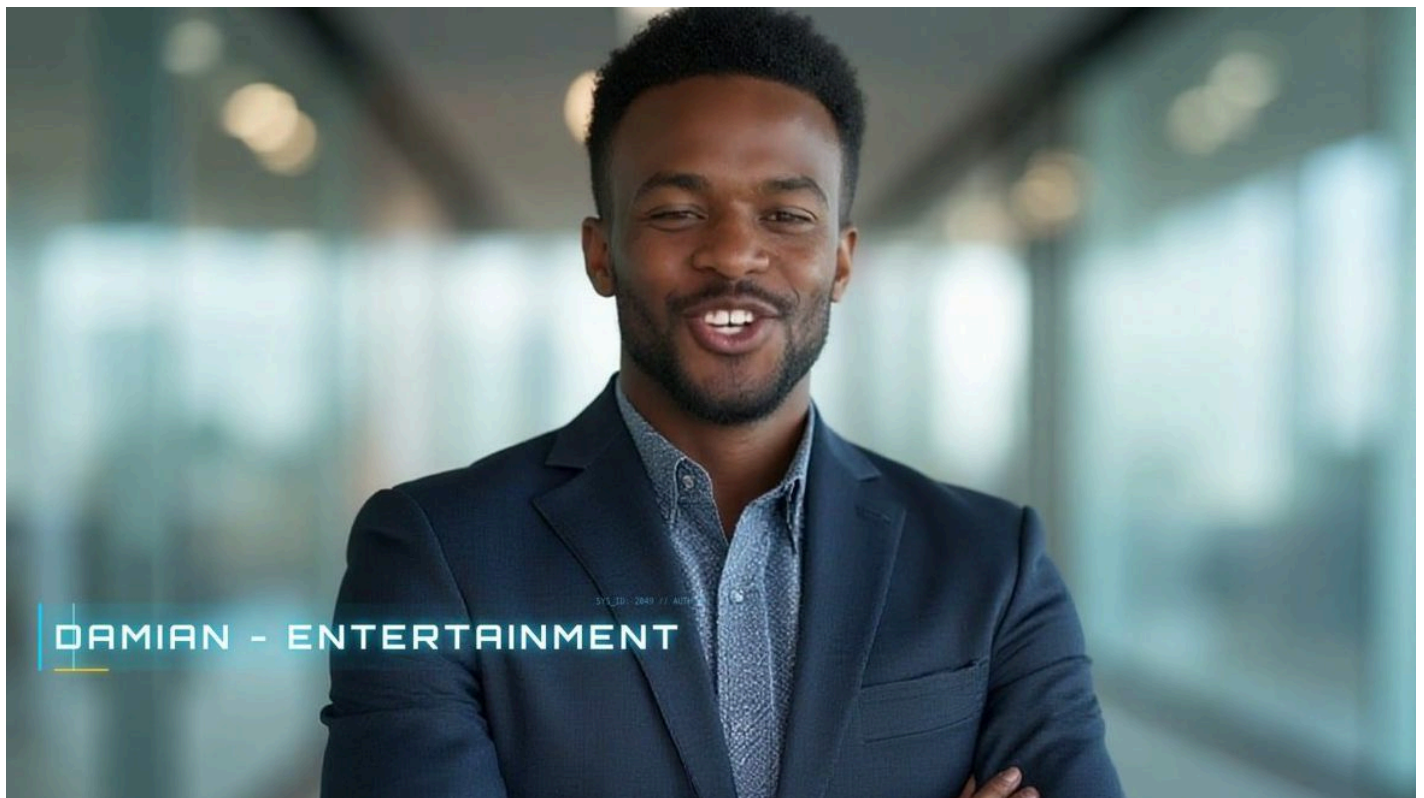
- Hosting training and certification programs for local healthcare workers in emerging technologies used at the facility, fostering local workforce development.

This proposal is designed not as a private enclave of future medicine, but as a distributed engine for innovation, inclusion, and systemic strengthening—ensuring that both joy and care are accessible to all, not just to those within reach of cutting-edge infrastructure.



Damian

How does this proposal contribute to in-person entertainment outcomes for the broader community?



Damian

Your Honor, imagine this: You arrive at The Complex via self-AirPing AirPod. A DNA scan welcomes you at the biogate. We are building a world of experience.

You pause at a food replicator, sipping a synth-coke designed specifically for your mood. Every detail is tailored to the individual.

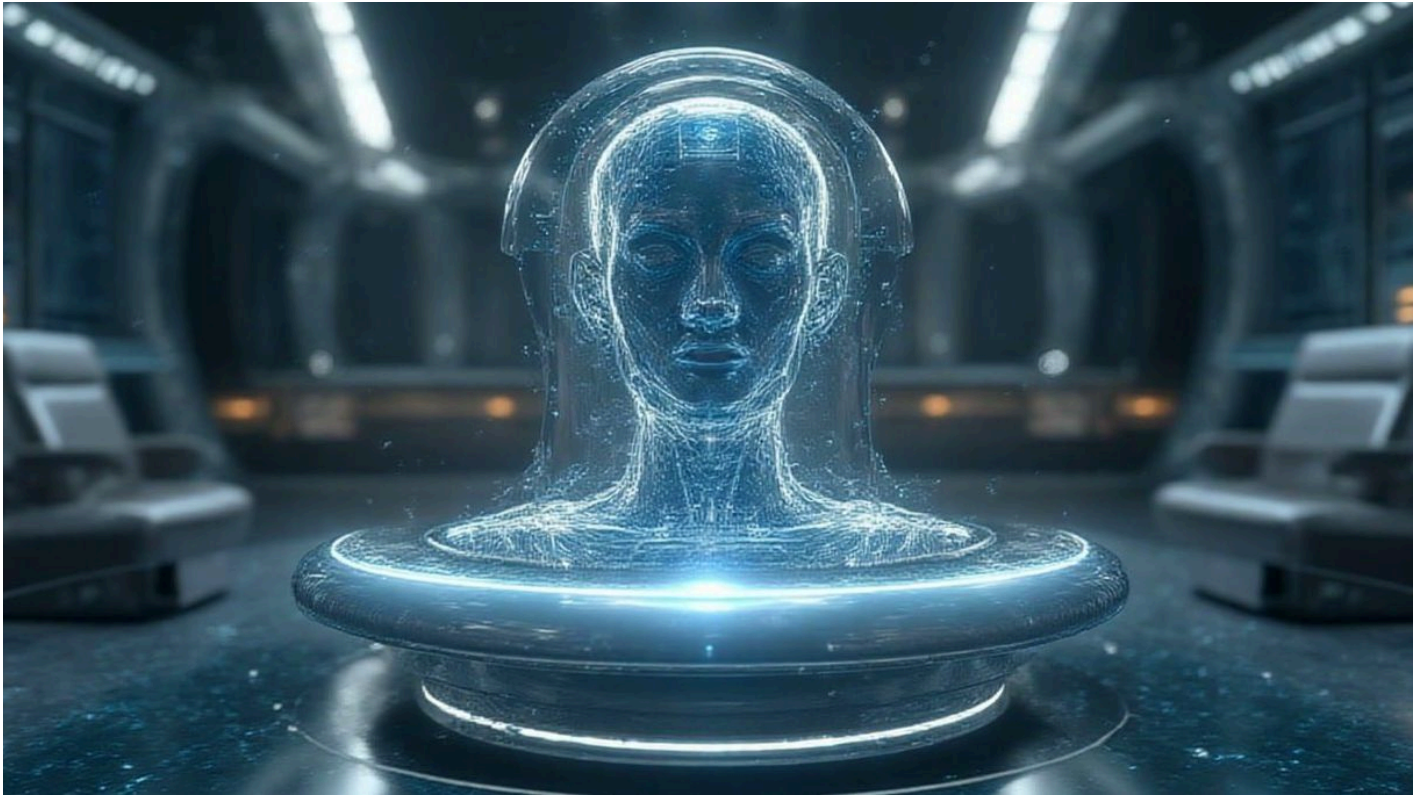
Behind you: the buzz of Market Domes. Ahead: a MarsCast Stadium, hosting quantum-projected games from the Interplanetary League. Immersive, collective joy.

To your right: the Birthing Arcade, where couples and singles explore shared parenthood journeys through high-fidelity AI simulations. Education meets play.

This is both upscale for those who seek it and accessible for those who need it. The Complex is ritual and recreation, fused into one living heartbeat.

From children to elders, we are creating a legacy ready to grow. This is the future of community.

Notes: In response to the Social Cohesion Breakdowns brought on by social media conflicts of the 2020s, and our desire to. We found that sports are a great driver of social cohesion. Our sports complex will anchor development of our larger community gathering, bringing the idea of the Zocalo or Town Square back to the human civic experience, and centering our entertainment outcomes of "activity, commerce, peace, and pride".



Helen

And the environmental implications of such architecture?



Bert

Your Honor, this isn't concrete and glass. This is grown stone. We are designing a world that breathes with its people.

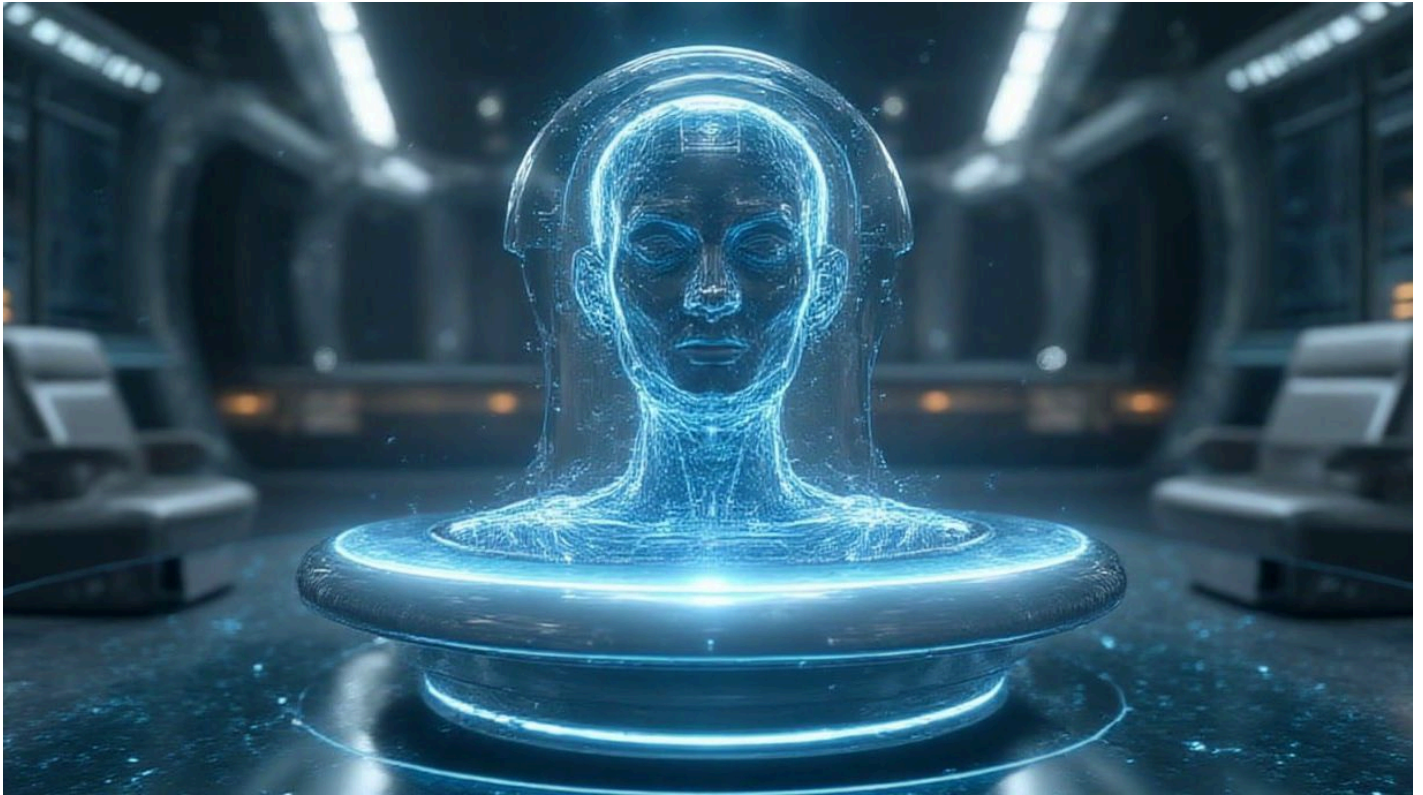
Hempcrete will form 80% of all structures — it's carbon-absorbing, mold-resistant, and grown locally by community co-ops.

Our architecture is organic. Water is pulled from atmospheric condensers and filtered with solar-powered reverse osmosis units. Life is sustained naturally.

Waste is collected, compressed, and repurposed into playgrounds, fitness parks, and even emergency shelters. Every resource is valued.

The Complex is net-negative on emissions by year 3. The Ozone scar heals above us — and this place becomes the lungs of the district.

We leave behind a world ready to grow. This is our sustainable promise to the future.



Helen

Have the AI elements been cleared by the Ethics Court?

Unseen Voice: Confirmed. Code AE-900C-Omni. Consent AI is audited. Parental compatibility passed Sentient Standards. No violations noted.

You have shown me a vision where traditional, modern, and postmodern values rise together. This proposal reflects wisdom. Deliberation begins.

Legacy, in this age, may be not what we leave behind... but what we leave ready to grow.



The Verdict

Post Video

"The Judge approved. Neo began construction in his birthland the same year. He did not live to see it finished, but the people he brought together kept going. Doctors and care pods reduced birth complications by 33%. Clinicians opened health facilities across YY. Residents formed families in fair and chosen ways. Communities gathered. Stewards restored the land.

In YY, they achieved:

Sustainable Development Goals 3 Good Health and Wellbeing, 4 Quality Education for All, 11 Sustainable Cities and Communities, 13 Climate Action, 14 Life Below Water, and 15 Life on Land. Neo left behind a world ready to grow.



Explanations and Limitations

Explanations and Limitations

Worldview: Integral

Metaphor - Arcology is the radical reorganization of urban landscapes into three-dimensional cities that sustain human culture and environmental balance. The Evolution of Humankind

<https://www.arcosanti.org/arcology/><https://www.arcosanti.org/arcology/>

Myth: If we build it, they will come.

The limitations:

Learning by doing - the post-work environment has its challenges

Muddy boundaries - are we going to an event or planning a family

Entertaining tourists and researchers every day

Building the city while you are living in it is chaotic

APPENDIX

Key differences between pre-work and post-work economies 16–19

Values and demography building blocks 20–27



Appendix

In the appendix, you will find the key differences between pre-work and post-work economies, as well as the values and demographic building blocks we used to design Neo YY.

The animation ends at this slide.

In the next slides, click to advance and read at your leisure.

Post-work economy differences

- Exponential developments in both AI and quantum technology have led to extraordinary tech breakthroughs.
- Economically, AI became increasingly powerful, able to perform most tasks humans can do at a lower cost, and the value of human labour dropped to near zero for many tasks. The drop created a post-work economy (some work remains, but it is not widespread).
- Products and services are widely available at a low cost, creating an abundant life.
- A universal basic income, organized at a national level, sustains the population. However, there is still work to do on a more equitable distribution of wealth between nations, but we are on the right path.
- Megalithic tech companies fund UBI, and it is common for wealthy individuals to donate their wealth to not-for-profits upon retirement due to legal limitations on the funds they can inherit.

FROM SCARCITY TO ABUNDANCE

Sustainability differences

- Local self-contained sustainable arcology cities
- Local food production means fresher produce, less environmental impact, and more locally sustainable food sources.
- Resources come from the national UBI system, but many distribution decisions are made locally (subject to regulation).
- 3D printing is now in widespread commercial use, enabling local production and creating a more environmentally friendly, anti-fragile production system.
- Building materials are sustainable first through materials such as hempcrete (paired with timber or lightweight steel to meet height requirements)

FROM IMBALANCE TO BALANCE

Healthcare for all differences

- The low cost of health technology, driven by changing economics (above), led to inclusive, advanced healthcare for all.
- Due to rapid technological developments, health technology has made huge strides, especially in reproductive health and choice, quantum diagnostics, biomechanical technology, and robot-assisted care.

FROM PRIVILEGE TO PARITY

Cultural and value shifts

- Exponential developments in both AI and quantum technology have led to extraordinary tech breakthroughs.
- Economically, AI became increasingly powerful, able to perform most tasks humans can do at a lower cost, and the value of human labour dropped to near zero for many tasks. The drop created a post-work economy (some work remains, but it is not widespread).
- Products and services are widely available at a low cost, creating an abundant life.
- A universal basic income, organized at a national level, sustains the population. However, there is still work to do on a more equitable distribution of wealth between nations, but we are on the right path.
- Megalithic tech companies fund UBI, and it is common for wealthy individuals to donate their wealth to not-for-profits upon retirement due to legal limitations on the funds they can inherit.

FROM POSTMODERN TO INTEGRAL

Governance innovation differences

- Exponential developments in both AI and quantum technology have led to extraordinary tech breakthroughs.
- Economically, AI became increasingly powerful, able to perform most tasks humans can do at a lower cost, and the value of human labour dropped to near zero for many tasks. The drop created a post-work economy (some work remains, but it is not widespread).
- Products and services are widely available at a low cost, creating an abundant life.
- A universal basic income, organized at a national level, sustains the population. However, there is still work to do on a more equitable distribution of wealth between nations, but we are on the right path.
- Megalithic tech companies fund UBI, and it is common for wealthy individuals to donate their wealth to not-for-profits upon retirement due to legal limitations on the funds they can inherit.

FROM REACTIVITY TO STEWARDSHIP

TRADITIONAL VALUES

Our rules define life's rhythm, as everyone shoulders their predetermined place despite inner questions. We respect that authority flows from tradition, faith shapes decisions about the natural order of life, and national pride runs deep in our preservation of ancestral ways of birth and family.



MODERN VALUES

Our achievements drive life's pace, as science and technology help us overcome biological limitations and achieve reproductive efficiency. State and corporate leaders expand their reach into formerly private domains of family creation, while divisions deepen over our opinions on technological advantages and disadvantages.



POSTMODERN VALUES

The search for meaning guides our reproductive choices, as our self-expression and responsibility help us shape diverse family formations.

Our imagination opens new paths to parenthood, while our tolerance helps us embrace the ways children come into being.



Building Blocks: Values

INTEGRAL VALUES

Our adaptive reproductive strategies help us balance scientific innovation with traditional wisdom, ensuring decisions respect individual circumstances and prioritize children's developmental needs.



Building Blocks: Demography

AGING

As we engage more in fulfilling activities and community life, birthrates are stabilizing or rising in regions that previously saw declines during the 2020s and 2030s.

Our use of artificial womb technology, increased parental time in the post-work society, and the implementation of universal basic income have eased our concerns about aging populations, making parenthood accessible and affordable.



Building Blocks: Demography

IMMIGRATION

We nationally organized UBI with residency requirements, which may reduce migration incentives by limiting benefits to residents, potentially reshaping migration patterns and demographic shifts significantly.



Building Blocks: Demography

MIDDLE-CLASS GROWTH

Our nationally organized UBI with residency requirements could reshape migration patterns by incentivizing long-term settlement and influencing labor mobility across regions.



Building Blocks: Demography

URBANIZATION

The decline in commuting to urban centers may slow job growth, yet vibrant community and arts hubs can help stimulate local development, supported by improved infrastructure funded through our rising prosperity.

