A memorandum on form & humanity.

New form. Still human.

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Scientific possibility. Human responsibility.

English editorial adaptation of the recovered Homo Synthesys manifesto and UV/IR skin proposal. Scientific claims and historical estimates have been calibrated. Draft for owner review.

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01 / A continuation of humanity

New form. Still human. SYNTHENOID imagines forms of embodiment shaped by knowledge, design and ethics. The original Homo Synthesys V.9 manifesto asks how humanity might adapt beyond its present biological limits without abandoning care, identity or freedom. We retain that ambition as a philosophical proposition. V.9 is the historical concept name, not a tested ninth-generation system. No new organism, synthetic person or functioning synthetic body is announced here.

02 / Body, mind, identity

The original concept brings together three horizons: a body capable of repair and adaptation; cognitive interfaces that support learning and agency; and an architecture of identity that respects the individual. Perception, emotion and continuity of self remain central questions. An energy-autonomous, self-regenerating body, transferred consciousness, authentic machine feelings and survival in vacuum or radiation are speculative ambitions in this context, not demonstrated SYNTHENOID capabilities. Skin protection alone would not establish whole-body safety in extreme environments.

03 / Four principles

Transparency and verifiability: make evidence, assumptions and limits inspectable. Integration and continuity: explore new forms without diminishing the value of existing human life. Autonomy and freedom: respect the choice to change, decline or develop an identity. Care and responsibility: prioritize restoration, protection and peaceful inquiry. These are proposed commitments, not a claim that an open technical protocol or institutional ethics program already exists.

04 / Consent, identity and peaceful use

No person should be subjected to an intervention without valid informed consent. Identity must never become a resource for coercion or manipulation. The manifesto rejects militarization; this revised memorandum therefore prioritizes civilian care, emergency response and protection. The older investment pack listed defense markets, a conflict that must be resolved before external use. Its digital-testament idea is retained as an ethical question about future identity stewardship; it does not imply that copying or transferring a person is currently possible, or that a will alone would resolve legal and consent requirements. Accessibility, biological-data privacy and long-term responsibility must inform any future program.

05 / Skin: an independent research direction

SYNTHENOID Skin is a distinct research direction with a personal starting point: living with vitiligo in a region with intense sunlight. The motivation is practical and human: to investigate better protection and greater freedom in everyday life. It is not a proposal to make every skin look the same. Protective function, pigmentation and appearance are separate questions; no treatment for vitiligo or restoration of pigmentation is claimed. Living tissue models and protective material interfaces require their own feasibility and safety assessment. The immediate question is whether a defined non-clinical model or interface can improve a specified protective endpoint without unacceptable biological or thermal tradeoffs. The broader Homo Synthesys vision does not establish the feasibility of this work. No prototype or experimental dataset was supplied with the planning documents.

06 / What science has demonstrated

Hirsch and colleagues reported extensive epidermal regeneration using genetically modified autologous stem cells in a child with junctional epidermolysis bullosa in 2017 [1]. In 2025, the FDA approved ZEVASKYN, an autologous gene-modified cell sheet therapy for wounds in adult and pediatric patients with recessive dystrophic epidermolysis bullosa [2]. These are important, disease-specific advances. They do not establish whole-skin replacement with all native functions or elective enhancement in healthy people. Neither result is a SYNTHENOID achievement.

07 / UV, infrared and time in the sun

The investment pack proposed a skin model resistant to UVA, UVB and IR exposure for up to five hours. This is an unvalidated target, not a result or a safe exposure recommendation. There is no evidence in the supplied materials for safe, unprotected sun exposure for 4-5 hours. UV and infrared or thermal management must be evaluated separately. UVB protection does not establish UVA protection, and neither establishes IR protection. Human research shows that IR, visible light and solar heat can affect skin biology [3,4]; it does not validate the proposed interface. Future assessment must specify wavelength, irradiance, cumulative dose, temperature, comparator and biological endpoints. Increased pigmentation or reflection alone would not establish overall safety. Established sun-protection guidance remains applicable.

08 / Progress through evidence gates

The historical plan grouped work into seven phases, from natural analogues and cellular screening to materials, a 3D model, exposure assessment and preparation for in vivo studies. It was a planning outline, not a validated development program. The revised gates are: define one intended use and measurable endpoints; select a plausible route and assess it in appropriate non-clinical models; reproduce results and review safety, manufacturing and regulatory needs; consider further development only if the evidence justifies it. Work involving animals or people would require the appropriate approvals and ethical oversight. A negative result may end or redirect the work. This memorandum supplies no experimental protocol.

09 / Budget and schedule: historical assumptions

The investment pack proposed USD 250,000-390,000, a separate grant scenario of USD 350,000, and a prototype within 18 months. The recovered cost CSV totals USD 235,000-390,000; its lower bound differs from the pitch. Adding the seven phase durations sequentially yields 15-22 months, before delays or any justified overlap. These figures are historical planning assumptions, not supplier quotations, committed funding, an independently costed budget or a validated schedule. Eighteen months is not a clinical-readiness promise. Re-estimation must define scope, staffing, facilities, equipment access, oversight, repeat work and contingency, and distinguish model feasibility from clinical development.

10 / An aspiration with open questions

We do not leave humanity behind; we seek to widen its possibilities. The manifesto connects exploration beyond Earth, a lighter ecological footprint and a dialogue between intelligence, art and ethics. These remain aspirations. Environmental benefit requires lifecycle evidence. A civilization without suffering or limits is a philosophical ideal, not a technological outcome we can promise. The form may change. Dignity must remain unconditional.

Sources

[1] Hirsch et al. · Nature · 2017
Regeneration of the entire human epidermis using transgenic stem cells
https://www.nature.com/articles/nature24487

[2] FDA · 2025
ZEVASKYN: indication and prescribing information
https://www.fda.gov/vaccines-blood-biologics/zevaskyn

[3] WHO
Radiation: protecting against skin cancer
https://www.who.int/news-room/questions-and-answers/item/radiation-protecting-against-skin-cancer

[4] Cho et al. · 2008
IR, visible light and solar heat in human skin in vivo
https://pubmed.ncbi.nlm.nih.gov/18194849/

Sources checked for this editorial version. References support the specific statements in the text, not feasibility of the SYNTHENOID concept as a whole.