



SSAKOOLHYPERS

presents

Nivicor

Desert Futures

The SsakoolHypers Philosophy

We don't just build houses. We create a new way of living:

- **Freedom:** Perfect harmony between form, function and lifestyle.
- **Comfort:** The highest levels of physical, emotional and cognitive well-being.
- **Art:** Spaces that inspire, touch and express individuality.
- **Sustainability:** Zero carbon commitment, circular thinking.

Freedom - Comfort - Art - Sustainability

Choose the Future!

- Imagine a future where creating a home is not a stressful, slow ordeal, but a joyful, liberating experience.
- Imagine taylormade buildings offering unprecedented levels of comfort and individuality.
- Imagine being safe from earthquakes, flashfloods, wildfires, unwanted pests and inturders.
- Imagine homes that are not just lifeless structures, but intelligent, living systems.
- Imagine all that in a sutainable, recyclable, circular, nature-friendly way.

At SsakoolHypers, we are building this future — Nivicor homes that are companions, experiences, and statements of a better, greener tomorrow.



The World is Changing - Why Now?

Industrial revolutions have changed people's lives and architecture forever.

During the **First Industrial Revolution** significant technological advances included the use of steam power, and the advent of new building materials such as iron and brick in large quantities. The use of iron increased the structural load-bearing capacity of buildings, leading to the construction of larger and taller structures. The **Second Industrial Revolution** brought about the development of electrical energy, and the application of steel and concrete which allowed for the creation of new forms and structures. The introduction of electric power resulted in interior lighting, changing the internal layout and use of space within buildings, including work hours(!). The **Third Industrial Revolution** often referred to as the "Digital Revolution," saw the rise of computers and information technology, including the internet. This period marked the introduction of digital technologies in architectural design, such as computer-aided design (CAD), enabling the design of more complex geometries and structures.

We live in the era of the **Fourth - Fifth Industrial Revolution**, defined by the interconnection of digital technologies, artificial intelligence, robotics, big data and the Internet of Things. This revolution will have a significant impact on architectural processes, material production, and construction. Automation and industrial prefabrication are becoming more common in the construction industry, dramatically enhancing quality and efficiency while reducing waste and environmental impact. In the post-Fourth Industrial Revolution era, only sustainable construction practices will have a future.

Nivicor by SsakooolHypers is the first residential-scale construction-system development fully aligned with the advancements of the Fourth Industrial Revolution. We aim to create buildings with maximum comfort, innovative aesthetics, and the highest quality, all while being environmentally conscious.



Why the Desert? Why Now?

- Desert regions are growing — population, investment, and climate pressure alike.
- Extreme heat, scarce water, and fragile ecosystems demand next-generation solutions.
- Nivicor™ by SsakoolHypers homes are built for these realities: fast, intelligent, self-regulating, and resource-efficient.

Our Desert Vision

Imagine a home that thrives where others fail.

- **Cool inside, even in 50°C heat.**
- **Built without waste, water, or disruption.**
- **Off-grid ready.**
- **Emotionally rich, sensory safe havens.**



Thermal Mastery: Energywall™

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More than a wall — a passive climate ally.

- Our proprietary Energywall™ system uses recycled local materials like desert sand, to create thick, dense, thermally massive walls that absorb night-time coolness and buffer against daytime heat surges.
- This significantly reduces the need for active cooling, contributing to lower emissions and greater resilience.
- The material also dampens vibration from wind and protects against sand abrasion, while maintaining aesthetic quality and architectural freedom.

***Built with industrial precision, minimal waste, and maximum quality:
Nivico, live it!***



Home Art by SsakoolHypers - The Art of Living

Home Art is the inner soul of SsakoolHypers: a unique fusion of interior design, building elements, furniture and art.

Architecture shaped by air, light, and shadow.

- The FreeSkin™ construction system allows for curved, continuous, monolithic forms — ideal for aerodynamic performance and sand resistance.
- Enables integrated shading, solar alignment, and cooling air channels in the design itself.
- Seamless exteriors prevent sand infiltration and minimize maintenance.
- Structures echo natural desert formations — dunes, rocks, oases — offering harmony between artificial and natural. Spaces that are not only functional but emotionally rich, culturally expressive.

Live the Art!

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The (big) optional Plus: Alfred

Life protection and comfort is a key consideration in the Nivicor by SsakoolHypers buildings, with special attention given to elderly people living alone, children, and anyone requiring special care. By integrating our modern technology and smart home systems, we have created Alfred the Nivicor homes' personal A.I.:

- **Monitor** the status of the house's systems.
- **Respond** to environmental events.
- **Adapt** to weather conditions and the daily routines of the residents, optimizing energy use, shading, heating, cooling, and lighting.
- **Detect anomalies** 24/7, such as falls, sudden health issues, or attempted break-ins.
- **Take actions**, such as calling emergency services, notifying relatives, or alerting the fire department, police, or ambulance.
- **Alfred does not use cameras for privacy reasons** - each function is available without video recording.
- If needed **Alfred can operate off-grid, without internet connection**, making it protected from hackers.





Why Choose Us?

- **Uniqueness:** Each SsakoolHypers home is designed from scratch to match the dreams, lifestyle, and personality of its future owner. No templates, no repetitions – only singular architectural expressions.
- **Technological Leadership:** From our patented Energywall™ thermal-mass technology to the FreeSkin™ freeform construction system and our AI-enhanced design process, we're not just using cutting-edge tech – we're inventing it.
- **Art and Personal Expression – Form follows imagination:** Through our Home Art concept, interiors are sculpted as works of art. Materials, curves, lighting, and spatial dynamics reflect your essence – and awaken your senses.
- **Sustainability – Built for a better planet:** We embrace a regenerative approach through urban mining and using local desert sand, aiming zero-carbon construction, low-waste manufacturing, and long-lasting buildings that minimize environmental impact across their lifecycle.
- **Comfort and Intelligence – Homes that care:** Our buildings adapt to human behavior and comfort needs in real-time. Whether it's lighting, air quality, climate, sound, or security, our AI-optimized systems learn, evolve, and protect.
- **Speed and Precision** – Industrial quality in record time: Our buildings are fabricated in high-tech, controlled environments, resulting in unmatched precision, accelerated timelines, and premium results without delays or defects.
- **Hungarian Innovation – Globally relevant:** Our vision is born and developed entirely in Hungary, yet it speaks to the world. We collaborate with international thinkers and creators, designing for a global generation of future-oriented clients.

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Use Cases & Partnerships

Desert deployment made practical — and poetic.

- Luxury eco-resorts and climate-conscious hospitality
- Research stations, observatories, cultural pavilions
- Innovation campuses, temporary missions
- Permanent desert dwellings for extreme climates

We invite architects, developers, municipalities, and pioneers to co-create with us.

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Contact



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Bio

József Kolossa is a recognized architect and urban planner with over two decades of leadership in architectural innovation, public policy, and sustainability. He has served as docent of the Department of Residential Building Design at the Budapest University of Technology, a department leader to the Prime Minister's Office in Hungary on urban and spatial planning, CEO of Hungary's national geospatial technology center (Lechner Knowledge Center), senior advisor to the Hungarian Green Building Council and founder of Kolossa Studio. His work bridges the artistic and the technical blending poetic form-making with AI, data systems, and green technologies. A recipient of the Pro Architectura Prize, the Budapest Architectural Award, and multiple design and research accolades, Kolossa is also a Doctor of Liberal Arts (DLA) and frequent speaker at European architecture and sustainability forums.





