Smart Housing for Ageing Population

HOME THAT SUPPORTS LIFE'S NEXT CHAPTER

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Introduction

The global population is aging at an unprecedented rate, creating an urgent need for housing that goes beyond shelter—homes that actively support health, independence, dignity, and social connection. Smart Housing for Aging Population challenges designers to rethink residential environments for older adults by integrating architecture, technology, and human-centered design.

This competition invites innovative solutions that respond to physical, emotional, and cognitive needs while enabling aging-in-place, adaptability, and a high quality of life.

Objective

The objective of the competition is to design a smart, inclusive, and future-ready housing model for the aging population that:

- Promotes independence and safety
- Supports physical and mental well-being
- Adapts to changing abilities over time
- Integrates smart technologies seamlessly
- Encourages social interaction and community living

Participants are encouraged to balance empathy, innovation, sustainability, and practicality.

The Building Program

Participants may propose individual units, shared housing, or a small residential community. The program may include (but is not limited to):

- Barrier-free residential units (1BHK / studio / flexible layouts)
- Smart home systems (health monitoring, automation, alerts, lighting, climate control)
- Assisted living or caregiver support spaces
- Common social areas (lounges, activity rooms, gardens)
- Healthcare or wellness spaces (consultation, therapy, exercise)
- Outdoor accessible spaces (walking paths, courtyards)
- Service areas (storage, maintenance, staff facilities)

Designs should prioritize universal design, flexibility, and ease of use.

Site

The site is open-ended. Participants may choose any urban, suburban, or semi-rural context worldwide.

However, the proposal should clearly justify:

- Site selection and surroundings
- Accessibility to healthcare, transport, and community services
- Climate responsiveness and environmental context

Hypothetical sites are acceptable with clearly stated assumptions.

Timeline

Launch Date: 1st January 2026
Registration deadline: 6th October 2026
Submission deadline: 16th October 2026
Result Announcement: 22nd December 2026

Submission Requirements

Participants must submit:

- Design Panels – minimum 2 panels and maximum 6 panels (panel size: A2, Landscape, format jpeg./jpg.)
- A brief **concept description** (format docs. File)

Drawings may include:

- Concept diagrams
- Plans, sections, elevations
- 3D views / visualizations
- Exploded diagrams or process sketches

Important:

- No participant names, university names, or identifying marks are allowed on the submission sheets
- Design title and slogans are permitted
- Submissions must follow anonymity rules strictly

Jury

The jury panel will consist of experienced architects, designers, educators, and industry professionals from diverse backgrounds. Entries will be evaluated based on:

- Responsiveness to Aging Needs
- Innovation & Smart Integration
- Spatial Quality & Functionality
- Sustainability & Adaptability
- Concept & Communication

The jury's decision will be final and binding.

Eligibility

- Open to all.
- Individual and team entries are allowed
- Team size: minimum 1 – maximum 4 members
- No restrictions on age, nationality, or academic background

Contact Details

Brief link: https://www.archiolcompetitions.com/competitions/smart_housing_for_ageing_population

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Organizers

Archiol Competitions
www.archiolcompetitions.com