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International Design Challenge

RE-CONSTRUCT: DESIGNING WITH WASTE 2025

First Edition

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Competition Title: Re-Construct: Designing with Waste

Introduction:

Construction and demolition (C&D) waste is one of the largest waste streams in the world, accounting for more than one-third of global solid waste. Most of it ends up in landfills, despite its potential for reuse and recycling. As the building industry continues to expand, so does the urgency to address the environmental, social, and economic impacts of waste. This competition challenges architects, designers, and visionaries to reimagine waste not as a burden, but as a valuable resource that can shape the future of sustainable architecture.

Timeline:

Competition Launch: 1st September 2025

Registration deadline: 5th December 2025

Submission deadline: 10th December 2025

Result Announcement: February 5th 2026

Theme:

Circular Architecture – Waste as a Resource

Design Challenge:

Participants are invited to propose an architectural design that directly addresses the issue of construction and demolition waste. The design may be conceptual, speculative, or site-specific, but must clearly demonstrate innovative strategies for:

- Reuse, recycling, or upcycling of materials.
- Designing for disassembly and adaptability.
- Reducing material consumption and construction waste.
- Integrating sustainable and aesthetic qualities in waste-conscious design.

Projects should provoke discussion, inspire change, and showcase how architectural creativity can transform waste into opportunity.

Context:

According to global estimates, billions of tons of C&D waste are generated annually, with the majority being concrete, wood, metals, plastics, and glass. A significant portion of this waste is recyclable, yet linear construction practices often prevent reuse. This competition seeks design ideas that move beyond traditional methods, adopting circular economy principles to create buildings and spaces that are resource-conscious, environmentally responsible, and future-ready.

Aim:

To inspire new approaches in architecture that minimize waste, promote sustainable building practices, and redefine construction materials as resources in a regenerative design cycle.

Awards:

Top 3: Publication | Certificate of Recognition | Jury Report | Interview | Free Memberships in architectural communities, forums, or libraries. & more

Honourable mention: Publication | Certificate of Recognition

Special Mention: Publication | Certificate of Recognition

Shortlisted Entries: Name & project title listed in competition results | Certificate of Participation

Fees:

STAGE	START	END	USD
EARLY REG.	1 st Sept	18 th Sept	10
STANDARD REG. 1	19 th Sept	29 th Sept	12
STANDARD REG. 2	30 th Sept	18 th Oct	15
STANDARD REG. 3	19 th Oct	29 th Oct	18
STANDARD REG. 4	30 th Oct	18 th Nov	20
LATE REG.	19 th Nov	5 th Dec	25

Discounts:

5% Discount: Available for university student (individual or team participants).

10% Discount: Available for universities that register 10 individual or team participants.

20% Discount: Available for universities that register 20 individual or team participants.

Evaluation Criteria:

- Innovation – Originality in addressing waste and material reuse.
- Feasibility – Practicality of proposed solutions and adaptability in real contexts.
- Sustainability – Environmental responsibility across lifecycle.
- Design Quality – Functionality, spatial experience, and aesthetics.
- Clarity – Strength of presentation and communication of ideas.

Submission Requirements:File Format:**Sheets (JPG./JPEG. format.):**

- Minimum of 3 sheets, maximum of 6 sheets.
- Each sheet should include designs, drawings, and views that effectively communicate the project concept.

Text Explanation (300 + words – DOCS. Format):

- Docs. File must contain explanatory text that describes and supports your design decisions.
- Text should be clear and concise, highlighting the main ideas and features of the project.

Content to Include (per sheet):

- Design Concepts: Conceptual drawings, diagrams, and sketches.
- Plans, Elevations, and Sections: Architectural plans, cross-sections, and elevations.
- Views and Renderings: 3D views, perspectives, or rendered images of the project.
- Diagrams: Illustrations explaining circulation, spatial relationships, environmental or structural concepts.

Resolution and Quality:

- All sheets should be high-quality, legible, and visually clear.

Naming Convention:

- The file should be named as: CompetitionName_ParticipationCode.pdf

Anonymity:

- No names, logos, or identifying marks should appear on any of the submitted sheets to ensure anonymity during judging.

Registration & Submission Guidelines:

Follow the video link below:

https://www.youtube.com/watch?v=hDOxFd_RHwY&feature=youtu.be

Eligibility:

- Open to architects, designers, students, artists, and visionaries worldwide.
- Interdisciplinary teams are encouraged.
- No professional qualifications required.

Contact Details:

For any inquiries or further information, please contact us at:

- Email: info@archiolcompetitions.com
- Website: www.archiolcompetitions.com
- Competition Link: <https://www.archiolcompetitions.com/competitions/re-construct-designing-with-waste>