

# PROJECT FACTSHEET

<b>Project Name</b>	Resourcing War Rubble
<b>Donor Name</b>	LAU Self-funded
<b>Manager</b>	School of Engineering
<b>Start Date</b>	September 2025
<b>End Date</b>	On-going

## Project Overview

The initiative converts war rubble (Construction and Demolition Waste – CDW) into safe construction materials and integrates them into prefabricated building components that meet key performance and cost criteria. It also develops a scalable, rapid-deployment model for post-conflict housing reconstruction. This approach reduces environmental risks from debris while generating local employment opportunities.

## Objectives

- Convert war CDW into safe, standardized materials integrated into prefabricated building components that are structurally, thermally, and acoustically sound
- Develop a scalable, rapid-deployment reconstruction model that reduces environmental impacts while generating local employment in CDW processing and prefabrication.

## Challenges

- *Quality of CDW – sorted, mixed with natural soil*
- *Securing crushers*
- *Transport of CDW to crusher location*
- *Lack of local standards for reuse of CDW*
- *Onset of another bout of warfare in 2026*

## Milestones

Milestone	Time Needed
<ul style="list-style-type: none"> <li>• Securing CDW</li> <li>• Identifying, meeting with, and on-boarding key stakeholders – mainly municipalities</li> </ul>	On-going
<ul style="list-style-type: none"> <li>• Crushing, mixing and developing aggregate material.</li> <li>• Producing prefabricated walls and testing their structural integrity of at LAU Lab</li> </ul>	4 Months
<ul style="list-style-type: none"> <li>• Producing prefabricated concrete walls for piloting</li> </ul>	3 Months
<ul style="list-style-type: none"> <li>• Securing approvals from authorities for piloting the use of prefabricated home using converted CDW</li> </ul>	4 Months

## Achieved Results

- *The project is on-going*

## Lessons Learned

- *The project is on-going*

## Consortium

Name	Contribution
School of Engineering - LAU	Leader
Office for Sustainability – LAU	Partner

## Budget

Project Budget	150,000 USD
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