

Arch Truss Structures



Арка стійкості
Arch of Resilience

Ivankiv: Restoring Jobs & Life to a War-Damaged Factory

1st Resilient Village Research & Development (R&D) center explores off-grid solutions to frontline problems like cold, humidity, flooding, pest control



Strong! uniform load distribution

Cheap! outer structure starts at 50,000 UAH, labor extra

Mobile! Structures can be built on trailer frames

Fast! Easy build, dismantle, move, reassemble

Adaptable! Many sizes, functions, materials



Arch of Resilience adapts to tradition



**Recycle
Our
Heritage!**



Authentic Cossack Village in Kyiv

**Arch of Resilience
Research & Development
Center**

Ivankiv, Kyivska Oblast

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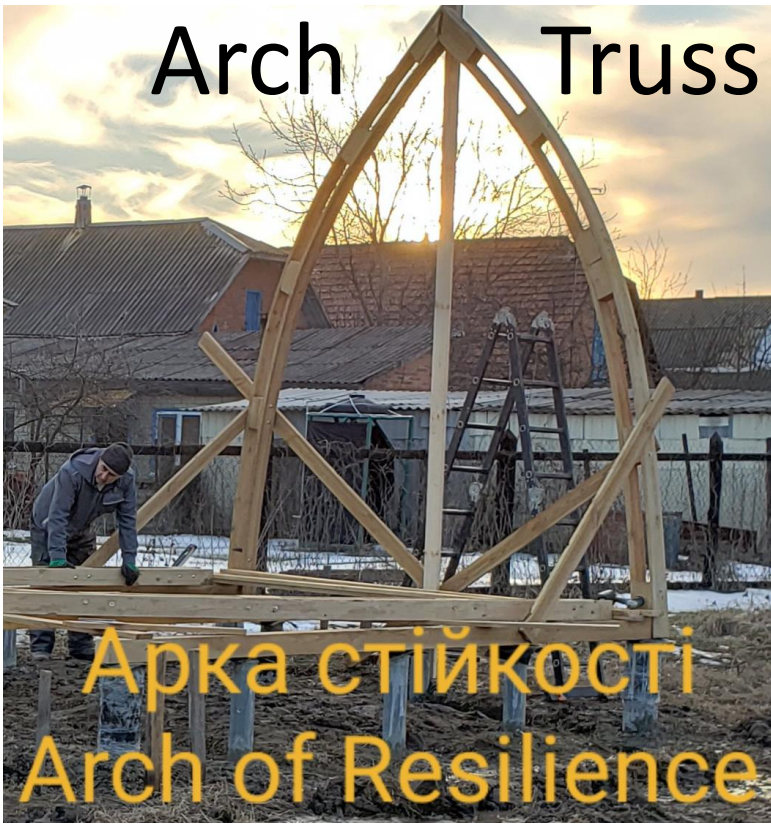
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Mamajeva Sloboda Cossacs' Village

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Ivankiv: Restoring Jobs & Life to a War-Damaged Factory

1st Resilient Village Research & Development (R&D) center explores durable, innovative, and off-grid solutions to frontline problems (cold, humidity, flooding, pest control...)



- Strong!** Uniform load distribution
- Cheap!** Outer structure starts at 50,000 UAH, labor extra
- Mobile!** Structures can be built on trailer frames
- Fast & Easy!** Build, dismantle, move, reassemble
- Adaptable!** Many sizes, functions, materials



Addressing overarching needs for Ukraine's future



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Military Applications

- Drone hangars
- Staging area structures
- Camps, housing, storage
- Training centers
- Environmentally controlled spaces
- Recycled war debris
- Off grid solutions



BBC/HANNA CHORNOUS

Mobile air defence units in Kherson are constantly on the move to avoid detection



An Engineer's Perspective

youtube.com/watch?v=Y4MZwl7e9A8
youtube.com/watch?v=o2N9ltr3SJE