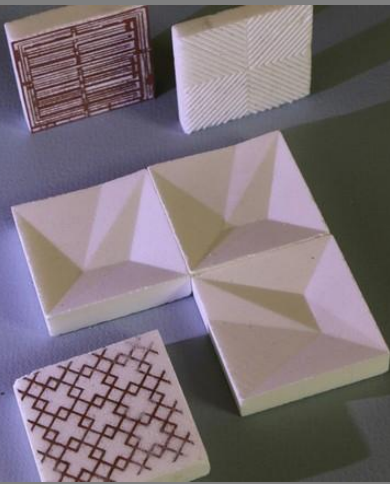




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[Watch a short movie](#)

RESALT – from Waste to Revenue

Salt is a byproduct of numerous industrial processes, from **potash production to desalination**. NaCl waste is dumped in environmentally hazardous piles worldwide, contaminating soil and water. We are turning waste into revenue in a \$15b construction market, producing circular-economy compressed salt bricks, blocks, and tiles. This novel material will ultimately **replace cement**, the world's second-largest emitter of carbon dioxide.

The Benefits:

- Produced at room temp, reducing **CO₂ emissions by 95%**
- Excess raw material is **low-cost**
- Reduce shipping, carbon footprint, and costs with locally sourced NaCl
- Additional **revenue streams** through circular economy
- Opportunities to recycle, upcycle, and resell
- **Health advantages:** green, non-toxic, non-flammable, chemically inert, and antibacterial
- Highly **durable**, fire-resistant, antiseptic, pest-resistant, insulating, RF transparent

POC Achieved:

- Stable blocks and tiles that are **stronger than cement**
- Easily stacked like LEGO blocks
- Can be further modified for specific requirements
- Decorative tiles, bricks, blocks, and more
- **Compatible** with other building materials (gypsum, quartz, cement, and more)
- Status: TRL 3-4

Challenges:

- Pre-seed funding round
- Tile and brick prototypes
- International standard regulations
- Establishing a production line, and optimization of serial production
- Commercial agreements and LOI with manufacturers and salt suppliers
- External R&D laboratory



US Patent 16/498,133

European patent office: EP3601190A1

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