CONTOUR CRAFTING

AUTOMATED COASTAL INFRASTRUCTURE SYSTEMS

Contour Crafting Corporation is a U.S.-based advanced manufacturing and engineering company specializing in large-scale automated construction systems that rapidly fabricate coastal infrastructure using robotic 3D printing technologies.

We are the original inventor of Automated Building Construction, the foundational technology behind construction-scale 3D printing, translating decades of research into deployable, operational infrastructure solutions.

COASTAL APPLICATION FOCUS

- Coastal Flood Mitigation Infrastructure
- Wave Attenuation & Breakwater Systems
- Artificial Reefs & Marine Habitat Structures
- Canal, Marina & Waterfront Reinforcement
- Seawalls & Shoreline Stabilization Systems
- Hybrid Living Shorelines (Green-Gray Infrastructure)

OPERATIONAL IMPACT

- Rapid coastal deployment with less labor and faster timelines
- Reduces reliance on traditional methods in high-risk zones
- Supports erosion control and storm surge protection
- Validated through government-backed research and pilots

CORE CAPABILITIES

- Deployable Construction-Scale 3D Printing Systems
- Coastal Engineering Integration & Field Deployment
- Rapid Fabrication of Reinforced Structural Systems
- Operator Training & System Commissioning
- Applied R&D for Coastal Infrastructure Innovation
- Hybrid Integration with Conventional Coastal Construction

AUTOMATED CONSTRUCTION SYSTEMS

- **D-Crafter** | Deployable 3D printing system for rapid, on-site fabrication of coastal infrastructure.
- **CrafTrans |** Transformable, transportable construction-scale system designed for large-scale deployment and logistics.

ALIGNMENT WITH GOVERNMENT & FUNDING PROGRAMS

- Resilient Florida Program
- FEMA Hazard Mitigation & BRIC
- Coastal Zone Management Programs
- U.S. Army Corps of Engineers (USACE)
- Disaster Recovery & Resilience Initiatives

APPLICATION FOCUS

- Base infrastructure
- Expeditionary construction
- Austere and mission-critical environments
- Disaster recovery & humanitarian assistance

KEY DIFFERENTIATORS

- Reduces labor, time and costs
- Scalable for public coastal programs
- Pioneer in construction-scale 3D printing
- Infrastructure-grade solutions for full shoreline segments

PROVEN ALIGNMENT ACROSS

- Austere & High-Risk Environments
- Disaster Recovery & Flood Mitigation
- Coastal & Marine Infrastructure Projects
- Government & Mission-Critical Infrastructure

NAICS CODES

541330 Engineering Services (Primary), 333249 Machinery Manufacturing, 541511/ 541512 – Software 541715 R&D

Gov. Business POC:

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