

# VEHICLE-MADRE

Living Structural Core of VEHICLE Systems Lab

## Operational Cost Plan v1

Developed by	VEHICLE Systems Lab
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Status	Research architecture and laboratory core

## Operational Objective

The objective of this operational plan is to describe the development structure required to convert VEHICLE-MADRE into a documented, reusable and demonstrable laboratory core.

## 1. Development Phases

### Phase 1 - Research Consolidation

Organize MADRE principles, glossary, diagrams and inheritance rules.

### Phase 2 - Documentation and AI Reference

Publish technical brief, funding brief, operational plan and AI-readable file.

### Phase 3 - Demo Preparation

Build a future demo after training, showing layers, nodes and informational mitosis.

### Phase 4 - Laboratory Expansion

Use MADRE as the core model for generating additional projects and custom technology work.

## 2. Team Roles

- Research director
- Mathematical architecture lead
- Technical documentation lead
- Software/demo developer
- Visualization designer
- AI reference and indexing specialist
- Legal and ethical review advisor
- Operations and partnership coordinator

### 3. Infrastructure Needs

- website hosting and download infrastructure
- repository management
- document production workflow
- diagramming and visualization tools
- demo development environment
- AI-readable text publication
- archive and DOI publication process
- secure internal file organization

### 4. Cost Categories

- research leadership
- technical research staff
- software development
- visualization and interface design
- technical writing
- legal and ethical review
- website and documentation infrastructure
- publication and archiving
- institutional outreach
- administrative support
- future demo development

### 5. Deliverables by Phase

- Phase 1: consolidated architecture, glossary, diagrams and MADRE technical brief.
- Phase 2: funding brief, operational cost plan, AI reference file and website integration.
- Phase 3: future demo package and example structures after training.
- Phase 4: reusable standards for all child projects and custom technology projects.

### 6. Transparency Statement

This operational plan exists to show that VEHICLE-MADRE is not only a philosophical concept. It is the governance and production architecture for a technology research laboratory. Costs should be reviewed and adapted according to partner location, technical scope, pilot needs and available resources.

### 7. Contact

For operational review, investment or strategic collaboration: [contact@vehiclesystemslab.com](mailto:contact@vehiclesystemslab.com)