



Roadmap Project Proposal

Project Name

The Clean Energy Smart Manufacturing Innovation Institute (“CESMII” or the “Institute”) operates as a program within The Regents of the University of California, Los Angeles (“UCLA”), providing CESMII with the administrative and oversight capabilities of UCLA and The Regents of the University of California. UCLA is the prime recipient of the DOE Cooperative Agreement DE-EE0007613. This document is CESMII’s guide for Roadmap Enabling R&D Project Proposals.

Proposal submission is limited to 15 pages including project one page overview (section 12)

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1 ROADMAP PROJECT PROPOSAL COVER PAGE

Project Title	
Project Description / Summary	
Technical Areas of Interest	
CESMII RMC	
Project Member Lead Organization	
Technical Point of Contact	Name: Company/Division: Title: Address: Phone number: Email address:
Business Point of Contact	Name: Company/Division: Title: Address: Phone number: Email address:
Additional Project team Members	Name: Company/Division: Type of Organization (Large for Profit, Small, University, etc.): Title: Address: Phone number: Email address: % Of Project Effort:
Period Of Performance	
Total project Cost by area of interest	<ol style="list-style-type: none"> 1. Technical area if Interest: <ol style="list-style-type: none"> a. Technical area project Cost Share: b. CESMII/Federal Cost: c. Total technical area project cost: 2. Technical area if Interest: <ol style="list-style-type: none"> a. Project Cost Share: b. CESMII/Federal Cost: c. Total project cost: TOTAL PROJECT COST: <ol style="list-style-type: none"> d. Total Project Cost Share: e. Total CESMII/Federal Cost: f. Total Project Cost (All technical areas):

2 PROJECT SUMMARY

2.1 EXECUTIVE SUMMARY & BACKGROUND

[Provide an overview of the proposed project. Include general background and technology, key outcomes, general benefits, etc.]

[Discuss the background of project team, including the history, successes, and current research and development status (i.e., the technical baseline) relevant to the topic/technical area of interest being addressed in the Proposal.]

3 PROJECT OBJECTIVES

3.1 PROBLEM STATEMENT

[Provide a summary of the project objectives and the expected impact that the testbed and subsidiary projects will have on:]

- Energy utilization;
- Smart Manufacturing Platform capabilities;
- Participating companies/organizations efficiency and/or operations
- Anticipated industry utilization.

3.2 PROJECT GOAL

[Identify the targeted improvements to the baseline technology and the critical success factors in achieving that goal.]

4 TECHNICAL APPROACH

[Describe the main objectives of the application project, how the team will leverage the Smart Manufacturing (SM) Platform and what prototype reusable system methodology will be demonstrated.]

5 POTENTIAL IMPACT

[Clearly identify potential impacts and benefits to member organization. Include how the demonstrated technical solution will bring value to the organization]

- How does the project align with technology needs/challenge identified in CESMII Roadmap? For Example, does it:
 - involve timely development;
 - generate “market pull” by aligning with an Original Equipment Supplier (OEM) or major industry value chain participant;
 - deliver public economic benefit (US competitiveness, jobs, SME growth, workforce development, training, etc.)
 - Add any other CESMII/SM impacts/benefits examples before sending to applicants

6 BENEFITS

[Identify the relevance of the proposed work to CESMII and overall benefits, noting the broader impact to CESMII goals and objectives]

7 TASKS TO BE PERFORMED BY BUDGET PERIOD

7.1 PROJECT DELIVERABLE BY BUDGET PERIOD

[What will be delivered at the end of each budget period (experimental data, prototype components, workforce development strategy, materials and design, techno-economic analysis, etc. Include start and end of each major task and subtask-Months from start of project)]

7.2 KEY MILESTONES

[Identify metrics of success; minimum of 1 milestone/quarter Milestones should be concise, but as detailed as possible. All milestones should be SMART (Specific, Measurable, Achievable, Realistic, and Time-bound)]

7.3 GO/NO-GO DECISION POINTS

[Include at least one annual Go/No Go decision point for any proposed work that will span more than one year.]

8 PROJECT MANAGEMENT AND REPORTING

[Identify reports (quarterly reports, financial reports, etc.) and other deliverables that will be provided on a regular basis.]

8.1 MILESTONE SUMMARY TABLE

[Provide a table with a comprehensive list of all milestones and Go/No-Go decision points. Include task number, task title; identify milestones or Go/No-Go, description, completion month number from start of project, validation process and CESMII BP & Month]

9 PROJECT TEAM AND ROLES

[Provide name, title, organization and role for each key member of the team. Describe the Project Team’s unique qualifications and expertise, including those of key Sub recipients. Attach one-page resumes for key participating team members as an appendix. Multi-page resumes are not allowed.]

10 EQUIPMENT AND FACILITIES

Describe the Project Team’s existing equipment (both hardware and software) and facilities that will facilitate the successful completion of the proposed project; include a justification of any new equipment or facilities requested as part of the project.

11 BUDGET SUMMARY

[The budget summary should identify amounts and the source(s) of non-federal cost share (cash and In-kind), provide a high level break down of labor, material/equipment and travel. Please include EERE335 for the entire project.]

Category	Federal Funding	Cost Share	Total Project Cost
Labor			
Material/Equipment/Software			
Travel			


Total Project Cost			
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12 ATTACHEMNETS

12.1 PROJECT ONE PAGE OVERVIEW

[Include the following information:]

- Problem statement
- Project goal
- Technical approach
- Key tasks and milestones
- Potential impact
- Benefits to CESMII
- Project cost share and duration

PROJECT NAME											
Project Lead:											
PROBLEM STATEMENT:	PROCESS GRAPHICS / OVERVIEW										
PROJECT GOAL:											
TECHNICAL APPROACH											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #0070c0; color: white;">PROJECT COST</th> <th style="background-color: #0070c0; color: white;">MEMBER % COST SHARE</th> <th style="background-color: #0070c0; color: white;">CESMII % COST SHARE</th> <th style="background-color: #0070c0; color: white;">Duration</th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				PROJECT COST	MEMBER % COST SHARE	CESMII % COST SHARE	Duration				
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KEY TASKS / MILESTONES	POTENTIAL IMPACT										
	BENEFIT										
		PROJECT TEAM LOGOS									

12.2 BUDGET. EERE335 FORM