

Request for Proposal (RFP)

Executive Summary

Energy Systems Co is issuing this Request for Proposal (RFP) to solicit bids from qualified development teams for the implementation of a **Security Enhancement Development** project. The goal is to create a robust API integration platform that utilizes machine learning techniques to enhance our security protocols. The selected team will be responsible for delivering a comprehensive solution over a period of 20 months, with a focus on integrating advanced technologies and methodologies.

Project Overview

- **Project Name:** Security Enhancement Development
- **Client:** Energy Systems Co
- **Project Type:** Machine Learning Implementation
- **Duration:** 20 months
- **Team Size:** 12 people
- **Budget Range:** \$1M - \$2M
- **Start Date:** November 27, 2025
- **Location:** West Patriciabury (Remote work not allowed)

Technical Requirements

The following technical skills and experience are required for the development team:

- **Node.js:** Intermediate level (Preferred)
- **PostgreSQL:** Intermediate level (Required)
- Preferred Certifications: Certified Kubernetes Administrator, Google Cloud Professional

- **MongoDB:** Advanced level (Preferred)
- Preferred Certifications: Certified Kubernetes Administrator
- **Python:** Intermediate level (Required)
- **JavaScript:** Intermediate level (Preferred)
- Preferred Certifications: Google Cloud Professional, AWS Certified Solutions Architect
- **Django:** Expert level (Required)
- Preferred Certifications: Google Cloud Professional, Certified Kubernetes Administrator
- **DevOps:** Advanced level (Required)
- Preferred Certifications: AWS Certified Solutions Architect, Certified Kubernetes Administrator

Expected Team Profile

We are seeking a team of skilled professionals with the following profiles:

- **Lead Developer (1):** Expert in Django and Python, with significant experience in API development and machine learning.
- **Database Specialist (2):** Proficient in PostgreSQL and MongoDB, with strong knowledge of database architecture and optimization.
- **DevOps Engineer (2):** Advanced skills in cloud infrastructure, CI/CD, and container management.
- **Frontend Developer (3):** Intermediate experience with JavaScript and Node.js, capable of developing user-friendly interfaces.
- **Machine Learning Engineer (2):** Experience in machine learning algorithms and their application in security enhancement.
- **QA Specialist (2):** Strong background in software testing, with a focus on security and performance testing.

Timeline

- **Proposal Submission Deadline:** [Insert Date]
- **Proposal Review Period:** [Insert Date Range]
- **Finalist Presentations:** [Insert Date]
- **Contract Award Date:** [Insert Date]
- **Project Kickoff:** November 27, 2025

- **Project Completion:** [Insert Date]

Budget

The budget for this project is estimated to be between **\$1M and \$2M**. Proposals should include a detailed breakdown of costs, including development, testing, and any additional expenses.

Proposal Guidelines

Interested parties should submit their proposals by [Insert Date] to the following contact:

Contact Information

- **Name:** [Insert Contact Name]
- **Title:** [Insert Contact Title]
- **Email:** [Insert Contact Email]
- **Phone:** [Insert Contact Phone Number]

Proposal Submission Instructions

Proposals should include the following: 1. Company overview and relevant experience 2. Detailed project approach and methodology 3. Team member profiles and relevant qualifications 4. Timeline and milestones 5. Detailed budget breakdown 6. Client references

Acceptance Criteria and Evaluation Process

Proposals will be evaluated based on the following criteria: - **Technical Expertise:** Proven experience with the required technologies and methodologies. - **Team Composition:** Adequacy of the proposed team profiles relative to project needs. - **Cost-Effectiveness:** Competitive pricing and budget alignment. - **Project Approach:** Clarity and feasibility of the proposed plan. - **Past Performance:** Quality of previous work and client testimonials.

Finalists may be invited for an interview or presentation to further discuss their proposals.

We look forward to receiving your proposals and working together to enhance the security of our systems.