

# Request for Proposal (RFP)

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## Executive Summary

Energy Systems Co is seeking proposals from qualified development teams for the implementation of a Machine Learning solution aimed at enhancing the security of our systems. This project will take place over a duration of 20 months, requiring a dedicated team of skilled professionals to meet the specified technical and functional requirements. Our goal is to bolster our security measures through innovative solutions that leverage machine learning technologies.

## Project Overview

- **Project Name:** Machine Learning Implementation Development
- **Client:** Energy Systems Co
- **Project Type:** Security Enhancement
- **Duration:** 20 months
- **Team Size:** 7 people
- **Budget Range:** \$100K - \$250K
- **Start Date:** November 28, 2025
- **Location:** Mooremouth (Remote Work Not Allowed)

## Objective

The primary objective of this project is to enhance the security posture of our systems through machine learning techniques. This includes developing algorithms for threat detection, anomaly detection, and predictive analytics to foresee potential security breaches.

# Technical Requirements

## Required Skills

- **JavaScript:** Advanced level (Preferred certifications: Google Cloud Professional)
- **Machine Learning:** Advanced level
- **DevOps:** Expert level
- **Django:** Expert level (Preferred certifications: Google Cloud Professional)

## Preferred Skills

- **Kubernetes:** Intermediate level (Preferred certifications: Google Cloud Professional, AWS Certified Solutions Architect)
- **Docker:** Expert level (Preferred certifications: Certified Kubernetes Administrator, Google Cloud Professional)
- **React:** Expert level (Preferred certifications: Certified Kubernetes Administrator)
- **Angular:** Expert level
- **Microservices:** Expert level (Preferred certifications: Google Cloud Professional, AWS Certified Solutions Architect)
- **TypeScript:** Intermediate level

## Expected Team Profile

The ideal team will consist of the following roles: 1. **Machine Learning Engineer (2)** - Responsible for developing and optimizing machine learning models. 2. **DevOps Engineer (1)** - Focused on automation and continuous integration/deployment processes. 3. **Full-Stack Developer (2)** - Proficient in both front-end (React/Angular) and back-end (Django) development. 4. **Cloud Engineer (1)** - Managing cloud infrastructure and ensuring scalability and security. 5. **Project Manager (1)** - Overseeing project timelines, deliverables, and client communication.

## Timeline

- **RFP Release Date:** [Insert Date]
- **Proposal Submission Deadline:** [Insert Date]
- **Proposal Evaluation Period:** [Insert Date]
- **Final Selection Announcement:** [Insert Date]
- **Project Kickoff:** November 28, 2025
- **Project Completion:** [Insert Date - 20 months later]

## Budget

The total budget for the project is set between **\$100K and \$250K**. Detailed cost breakdowns should be included in the proposals.

## Proposal Guidelines

Interested parties should submit a comprehensive proposal that includes:

1. **Company Overview:** Background, expertise, and relevant experience.
2. **Team Composition:** Profiles of proposed team members, including skills and certifications.
3. **Project Approach:** Proposed methodology for achieving project objectives.
4. **Milestones and Deliverables:** Key deliverables with corresponding timelines.
5. **Cost Proposal:** Detailed budget estimate with justifications.

## Evaluation Process

Proposals will be evaluated based on the following criteria: - **Relevant Experience:** Proven track record in machine learning and security enhancement projects. - **Technical Expertise:** Depth of skills and certifications of the proposed team members. - **Project Approach:** Clarity and feasibility of the proposed methodology. - **Cost Effectiveness:** Competitive pricing aligned with project scope.

## Acceptance Criteria

Deliverables will be assessed against the following criteria: - Functionality: All features must operate as specified. - Performance: System efficiency and speed should meet defined benchmarks. - Security: Compliance with established security standards and protocols. - Documentation: Comprehensive documentation of the system and processes.

## Contact Information

For further inquiries, please contact:

**[Your Name]**

**[Your Position]**

**Energy Systems Co**

**Email:** [your.email@energysystems.com]

**Phone:** [Your Phone Number]

## Proposal Submission Guidelines

All proposals must be submitted electronically in PDF format to [your.email@energysystems.com] by [Insert Submission Deadline]. Late submissions will not be considered.