

# Request for Quotation: Renokratt web application MVP Development

## Project Overview

Renokratt is a knowledge-based configuration expert system for renovation planning, supporting non-expert initiators in formulating design tasks for apartment building renovations. The system enables simulation and analysis of renovation options, costs, and expected results.

## Project Timeline

January-May 2025

## Technical Stack

### Backend

- Laravel PHP Framework
- Laravel Vapor for serverless deployment
- AWS Infrastructure
- PostgreSQL Database
- REST-ful API architecture

### Frontend

- React with TypeScript
- Inertia.js for seamless SPA-like experience
- State management Zustand
- Component library TailwindUI

## Core Functional Requirements

### 1. Authentication System (Laravel Breeze)

- Email + password registration
- Login/logout functionality
- Email verification
- Basic user permission system
- Laravel Sanctum for API authentication

### 2. Building (apartment) Setup

- Building address input functionality

- Address validation
- Building data storage system
- Laravel Eloquent models and relationships

### 3. Data Integration

- Third-party API integration for building data
- Laravel Jobs for data fetching
- Laravel Cache for performance optimization
- Error handling and logging system
- AWS S3 for file storage

### 4. Data Correction

- Data viewing and editing interface
- Laravel validation
- Database transactions for data integrity
- Audit logging

### 5. Document Generation

- Laravel PDF generation
- Template-based renovation document system
- Document storage in AWS S3
- Pre-generation data validation

## Technical Requirements

### AWS Infrastructure (handled via Vapor)

- Lambda functions
- RDS database
- S3 storage
- CloudFront CDN
- SES for emails
- CloudWatch for monitoring

### Security

- Laravel security best practices
- AWS security configurations
- GDPR compliance implementation
- Data encryption at rest and in transit
- Secure API endpoints

### Performance

- Response time < 2 seconds
- Efficient database queries

- Cache implementation
- Queue system for long-running tasks
- Scalable architecture

## Integration

- Vapor deployment configuration
- CI/CD pipeline

## Deliverables Required

### Documentation

- System architecture documentation
- Vapor deployment guides
- Database schema documentation
- Security implementation details

### Code

- Source code with Laravel best practices
- Vapor configuration files
- Development environment setup (Docker, handled by Vapor)
- Database migrations, factories and seeders

### Support

- Bug fixing during development
- Knowledge transfer sessions
- Deployment support
- Performance optimization

## Quotation Requirements

Please provide:

1. Cost Breakdown
  - Feature-by-feature estimation
  - Development hours per component
2. Project Timeline
  - Feature delivery schedule
3. Team Structure
  - Developers expertise level

- DevOps capabilities
- Project management approach

#### 4. Quality Assurance

- Code quality tools
- Code review process

#### 5. Support Terms

- Bug fixing SLA
- Post-delivery support options
- Knowledge transfer plan

#### 6. Commercial Terms

- Payment schedule
- Licensing terms
- IP rights
- Source code ownership

## Evaluation Criteria

- Developer expertise
- Cost effectiveness
- Team availability

## Submission Requirements

- Detailed technical proposal
- Cost breakdown
- Company profile
- Similar project references

## Contact Information

[Your Name] [Your Role] Renokratt [Email] [Phone]

## Submission Deadline

[Date]

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# Additional Information

## About Renokratt

Renokratt is developing a SaaS platform to streamline the renovation planning process for apartment buildings, focusing on making renovation decisions more accessible and data-driven.

## Project Goals

- Develop MVP for market validation
- Enable basic renovation planning functionality
- Create foundation for future features

## Future Considerations

- Integration with additional data sources
- Advanced analytics features