# softnx
### Technologies

# FUEL RANGER Fuel Management System.
# Budget Estimation Report

## Project Overview

This project encompasses the development of a comprehensive system integrating IoT hardware with a full-stack software solution, managed by a dedicated team using agile project management methodologies. The core components include microcontroller programming with MQTT broker configurations and a robust software development process involving a Figma designer, two frontend developers, two backend developers, and one IoT hardware developer.

## Budget Breakdown

### Hardware Development

**Microcontroller Programming and MQTT Broker Configurations: $1300**

This includes the cost of microcontrollers, necessary sensors, and other hardware components. MQTT broker setup and configuration are also accounted for within this budget.

### Full Stack Development

**Total Cost for Full Stack Implementation: $2500**

**Figma Designer:** Responsible for designing the UI/UX of the application, ensuring a professional and user-friendly interface.

**Frontend Developers (2):** Development of interactive, responsive frontends for both web and mobile platforms.

**Backend Developers (2):** Robust API development, server-side logic, and database integration.

**IoT Hardware Developer:** Integration of IoT hardware with the software, ensuring seamless data flow and system functionality.

### Full Project

**Total Cost for all Implementations: $3800**

## Quality Assurance and Project Management

The project will adhere to high standards of quality through rigorous unit testing and integration testing to ensure each module functions as intended and integrates perfectly with other system components.

Project management will be conducted using Jira, allowing for effective tracking of progress, issue resolution, and agile development practices.

## Summary

The estimated budget for the development phase of the project is $3800, divided into hardware and software development costs. This budget covers the necessary personnel, testing procedures, and project management tools required to deliver a high-quality product within the scope and specifications provided.