Initial Funding Goal (CAD $65,000)

- **Focus:** Prototype development of a single, fully functional BeaconSafe unit.
- **Software development** for:
    - Web interface
    - Remote monitoring
    - LED Control
    - Network security
- **Prototype testing:** Validate system functionality before deployment.

Updated Stretch Goals

- **CAD $85,000 – Expanded Test Deployment of 10 Units:**
    - Deploy 10 units for real-world testing in diverse environments.
    - Collect data to refine technology further.
- **CAD $100,000 – Smartphone Crash Detection Integration:**
    - Integrate Google and Apple crash detection systems to trigger beacons during roadside accidents, improving response times.
- **CAD $130,000 (Phase 2) – 50-Beacon Deployment with Solar Power:**
    - Deploy 50 units and integrate solar power for off-grid, energy-efficient operation.
- **CAD $175,000 (Phase 3) – 100-Beacon Deployment with Modular Add-Ons:**
    - Deploy 100 units and introduce modular add-ons like:
        - Traffic cameras
        - Environmental sensors
        - Air quality monitoring systems
- **CAD $250,000 (Phase 4) – Prepare for large scale deployment and Smart City integration:**
    - Engage regulators other stakeholders to establish national standards and ensure regulatory support.

    - Develop national deployment partnerships to facilitate installation and management.
    - Engage IoT and Smart City innovators in full incorporation of the BeaconSafe system

Budget Breakdown for CAD $65,000 Goal

- **Hardware Costs:** CAD $8,400 - $10,800
    - Wi-Fi, LoRa module, LEDs, control units, installation
- **Software Development:** CAD $23,000 - $37,000
    - Web interface, crash detection system, security
- **Engineering & Integration:** CAD $12,000 - $19,000
    - Hardware testing, system integration, security
- **Installation Costs:** CAD $500 - $1,000
    - Initial installation using existing infrastructure
- **Project Management:** CAD $5,000 - $7,000
    - Coordination and deployment
- **Contingency:** CAD $4,000 - $9,000 (10-15%)
    - For unforeseen challenges