Business Model Canvas

Key Partnerships
- Metro Rail Authorities
- IoT Sensor Manufacturers
- Cloud Service Providers (e.g., AWS, Azure)
- Maintenance Contractors

Key Activities
- Data Acquisition and Analysis
- Dashboard Development
- AI/ML Model Development for Issue Detection
- Sensor Calibration and Maintenance

Key Resources
- IoT Sensors and Edge Devices
- AI/ML Engineers and Developers
- Customer Support Teams
- Cloud Infrastructure

Value Propositions
- Real-time Structural Health Data
- Early Warning System for Infrastructure Failure
- Improved Safety and Reliability
- Reduced Maintenance Costs and Downtime

Customer Relationships
- Dedicated Support Teams
- Real-time Alerts and Reports
- Maintenance Assistance Portal

Channels
- Metro Rail Authorities
- Civil Engineering & Infrastructure Teams
- Government Transport Agencies

Customer Segments
- Metro Rail Authorities
- Civil Engineering & Infrastructure Teams
- Government Transport Agencies

Cost Structure
- Sensor Installation & Maintenance Costs
- Cloud Hosting and Data Processing
- Dashboard Development and Support

Revenue Streams
- Annual Service Subscriptions
- Dashboard Licensing for Metro Networks