

# Business Model Canvas

<b>Key Partnerships</b>  - Technology providers for sensors and IoT devices. Metro rail operators and infrastructure companies. Research institutions for continuous improvement and innovation. Data analytics and software development firms.	<b>Key Activities</b>  - Designing and developing the structural health monitoring system. Installation of sensors and IoT devices on metro rail infrastructure. Continuous data collection and analysis. Maintenance of the monitoring system and regular updates. Providing training and support to metro rail staff.	<b>Value Propositions</b>  - Real-time monitoring and early detection of structural issues. Enhanced safety and reliability of metro rail networks. Reduced maintenance costs through predictive maintenance. Minimization of downtime and service disruptions. Comprehensive and user-friendly dashboard for issue management.	<b>Customer Relationships</b>  - Dedicated support and maintenance services. Regular updates and system improvements. Training sessions for metro rail staff. Customizable solutions based on specific metro rail network needs.	<b>Customer Segments</b>  - Metro rail operators and authorities. Municipal and city planners. Maintenance teams and engineers. Passengers (indirect beneficiaries through enhanced safety).
	<b>Key Resources</b>  - Advanced sensors and IoT devices. Data analytics platform and software development team. Skilled engineers and technicians for installation and maintenance. Partnerships with technology providers and metro rail authorities.		<b>Channels</b>  - Direct sales to metro rail operators. Partnerships with metro rail infrastructure companies. Online platforms and trade shows. Industry conferences and seminars.	
<b>Cost Structure</b>  - Research and development of monitoring technologies. Manufacturing and installation of sensors and IoT devices. Software development and data analytics infrastructure. Maintenance and support services. Marketing and sales efforts.			<b>Revenue Streams</b>  - Sale of monitoring systems and equipment. Subscription fees for data analytics and dashboard services. Maintenance and support contracts. Consultancy services for system integration and optimization.	