

<div><div>15% left</div><div><div>Key Partnerships ⓘ</div><div><div>1.Sensor Manufacturers: Providers of IoT-based sensors (e.g., accelerometers, strain gauges, vibration sensors) for monitoring structural health.</div><div>2.AI/ML Software Providers: Companies providing data analytics, machine learning algorithms for anomaly detection, and predictive maintenance</div><div>3.Telecom/IoT Service Providers: Ensuring data connectivity and cloud integration for real-time monitoring</div><div>4.Civil Engineering Firms: Experts in Infrastructure monitoring and design.</div><div>5.Metro Rail Operators: Collaborators in implementing and using the monitoring system.</div><div>6.Government Regulatory Bodies: Ensuring compliance with safety and monitoring standards</div><div>7.Maintenance Service Providers: For the upkeep and calibration of sensors and systems.</div></div><div>+ Add more</div></div></div> <div><div>8% left</div><div><div>Key Activities ⓘ</div><div><div>1.System Development: Design and build the SHM system, including sensor integration, data collection infrastructure, and dashboard development.</div><div>2.Sensor Installation & Calibration: Deploy sensors across metro rail networks and calibrate them for accurate readings</div><div>3.Data Analytics & AI Modeling: Develop algorithms to detect potential structural failures, wear, or damage.</div></div><div>+ Add more</div></div><div><div>Key Resources ⓘ</div><div><div>1.IoT Sensors: Hardware for real-time data collection (e.g., strain gauges, accelerometers, temperature sensors).</div><div>2.Data Infrastructure: Cloud storage and computing power to handle large volumes of real-time data</div><div>3.AI/ML Algorithms: Machine learning models to analyze data, detect anomalies, and predict failures</div></div></div></div>	<div><div>11% left</div><div><div>Value Propositions ⓘ</div><div><div>1.Increased Safety: Real-time monitoring of the structural integrity of metro rail systems to identify potential hazards before they cause accidents or service disruptions.</div><div>2.Cost Savings: Early detection of damage and predictive maintenance help avoid costly repairs and downtime</div><div>3.Improved Asset Lifecycle: Maximizing the lifespan of infrastructure components by monitoring their health and scheduling proactive maintenance.</div><div>4.Data-Driven Decision Making: The ability to base operational and maintenance decisions on real-time, data-backed insights.</div><div>5.Regulatory Compliance: Adherence to industry standards and safety regulations, ensuring safe and efficient metro operations.</div><div>5.Efficient Resource Allocation: Optimizing repair and maintenance schedules based on data-driven insights into structural health.</div></div><div>+ Add more</div></div></div>	<div><div>25% left</div><div><div>Customer Relationships ⓘ</div><div><div>1.Personalized Consulting: Offering tailored solutions for each metro network, with a focus on specific monitoring needs, challenges, and regulatory requirements.</div><div>2.Continuous Support & Maintenance: Ongoing system upgrades, sensor recalibration, and technical support to ensure long-term operational success.</div></div><div>+ Add more</div></div><div><div>17% left</div><div><div>Channels ⓘ</div><div><div>1.Direct Sales & Partnerships: Selling the system directly to metro rail operators and maintenance providers.</div><div>2.Consultancy & Professional Services: Offering expert advisory services for implementation and ongoing system management.</div><div>3.Web & Mobile App: For continuous access to the SHM dashboard by stakeholders.</div></div></div></div></div>	<div><div>15% left</div><div><div>Customer Segments ⓘ</div><div><div>1.Metro Rail Operators: Public and private entities managing metro rail networks, responsible for infrastructure maintenance and passenger safety.</div><div>2.Transport Authorities: Government bodies responsible for overseeing transportation safety and regulation.</div><div>3.Infrastructure Maintenance Providers: Companies specializing in structural inspections, repairs, and preventative maintenance of metro infrastructure.</div><div>4.Insurance Companies: To mitigate risks associated with damage and failure, offering better policies based on real-time monitoring data.</div><div>5.Urban Planners/Engineers: Professionals involved in the long-term planning and structural integrity of metro rail infrastructure.</div><div>6.Training & Education: Providing operators and engineers with hands-on training for managing the SHM system and interpreting data.</div></div><div>+ Add more</div></div></div>
<div><div>8% left</div><div><div>Cost Structure ⓘ</div><div><div>1.R&D & System Development: Costs for research, software development, and algorithm creation (e.g., AI, machine learning).</div><div>2.Hardware Procurement: Purchase of IoT sensors and necessary installation equipment.</div><div>3.Cloud Computing & Data Storage: Costs associated with cloud services for storing and processing data from the monitoring system.</div><div>4.Personnel Costs: Salaries for software developers, engineers, data scientists, maintenance staff, and consultants.</div><div>5.Sensor Calibration & Maintenance: Regular upkeep and recalibration of sensors to ensure optimal performance.</div><div>6.Sensor Calibration & Maintenance: Regular upkeep and recalibration of sensors to ensure optimal performance.</div><div>7.Customer Support: Cost of providing ongoing customer support, maintenance services, and training.</div></div><div>+ Add more</div></div></div>	<div><div>Revenue Streams ⓘ</div><div><div>1.Subscription Fees: Ongoing payments for software licenses and access to the real-time SHM dashboard.</div><div>2.Hardware Sales: Revenue from selling IoT sensors and associated infrastructure (e.g., data collection units, edge devices).</div><div>3.Consulting Fees: Charging for system design, customizations, and consulting services.</div><div>4.Maintenance Contracts: Annual or monthly contracts for system maintenance, sensor recalibration, and updates.</div><div>5.Data Analytics Services: Offering premium predictive analytics, reporting, and insights for decision-making.</div><div>6.Training & Certification: Charging for training programs, workshops, and certification for metro operators and engineers.</div><div>7.Maintenance & Training Programs: Offering post-sale services, including system training and ongoing technical support</div><div>8.</div></div></div>		