

Business Model Canvas

<div>Key Partnerships</div> <div><ul style="list-style-type: none">- rdj y- Oil and Gas Companies:- Pilot programs and field testing- IoT Hardware Providers:- Suppliers of sensors and related devices.- Telecommunication Providers:- SMS and mobile alert delivery.- Government Agencies:- Compliance and regulatory support.- Environmental Organizations:- Advocacy and system validation</div>	<div>Key Activities</div> <div><ul style="list-style-type: none">- Development of IoT Sensors:- Sensors for pressure, flow, and gas detection.- Mobile App Design:- User-friendly interface for notifications and data visualization.</div>	<div>Value Propositions</div> <div><ul style="list-style-type: none">- Real-time Damage/Leak Detection:- Immediate alerts for leakages or damage in pipelines, reducing response time.- Mobile SMS Integration:- Notifications with precise details (time, location, and severity) sent directly to responsible personnel.- Cost Savings:- Prevents extensive damage and costly repairs.- Environmental Protection:- Rapid containment minimizes environmental impact.- Regulatory Compliance:- Helps organizations adhere to environmental and safety regulations.</div>	<div>Customer Relationships</div>	<div>Customer Segments</div> <div><ul style="list-style-type: none">- Primary Users:- --Oil and gas pipeline operators- --Energy companies- Secondary Users:- --Environmental agencies- --Insurance companies- --Government regulators</div>
	<div>Key Resources</div> <div><ul style="list-style-type: none">- Partnerships:- Collaborations with oil and gas companies, sensor manufacturers, and regulatory bodies.- Expertise:- Engineers for pipeline systems and software developers.</div>		<div>Channels</div> <div><ul style="list-style-type: none">- Mobile Application with SMS Alerts:- -Users receive real-time alerts on mobile devices.- Web Portal:- Dashboard for monitoring pipeline status and historical data analysis.- IoT Sensors:- Installed on pipelines to detect damage or leakage.- Direct Sales:- Through partnerships with oil and gas companies.</div>	
<div>Cost Structure</div> <div><ul style="list-style-type: none">- Fixed Costs:- R&D for sensor and software development.- Initial infrastructure setup (cloud servers, SMS gateways).- Variable Costs:- Sensor production and installation.- SMS gateway charges for notifications.- Maintenance and upgrades for software.</div>			<div>Revenue Streams</div> <div><ul style="list-style-type: none">- Product Sales:- One-time sale of IoT sensor units.- Subscription Model;- Monthly/annual fees for software and analytics platform.- Maintenance Services:- Ongoing support and updates for hardware and software- Custom Integrations:- Additional fees for integration with third-party systems.</div>	