Business Model Canvas

Created by **BATCH-61(4)**

Key Partnerships

- **Technology partners:**
- 1.sensor manufacture
- 2.IoT platform providers
- **industry partners:**
- 1.oil and gas companies
- 2.pipeline operators
- **integration partners:**
- 1.SCADA system providers
- 2.GIS mapping companies
- **strategic partners:**
- 1.Research institutions
- 2.government agencies.
- **investment partners:**
- 1.venture capital firms
- 2.private equity firms
- 3.angel investors

Key Activities

- 1.product development
- 2.pilot testing and deployment
- 3.marketing and sales
- 4.operation and maintenance
- 5.regulatory compliance
- 6.partnership development
- 7.revenue generation

Key Resources

- 1.human resource
- 2.technology and infrastructure
- 3.financial resources
- 4.physical resources
- 5.intellectual property
- 6.partnerships and collaboration

Value Propositions

- **primary value proposition:**
- 1.enhanced safety
- 2.cost savings
- 3.increased efficiency
- 4.regulatory compliance
- 5.environmental protection
- **secondary value proposition:**
- 1.data driven insights
- 2.improved asset management
- 3.reduced false alarms
- 4.enhanced customer satisfaction
- 5.competitive advantage
- **unique selling points:**
- 1.oil and gas companies
- 2.pipeline operators
- 3.petroleum refiners
- 4.government agencies

Customer Relationships

- 1.strategic partnerships
- 2.transactional relationships
- 3.support and maintenance
- 4.consulting services
- **customer interaction channels:**
- 1.sales team
- 2.customer support portal

Channels

- 1.sales channels
- 2.marketing channels
- 3.distribution channels
- 4.support channels
- 5.communication channels
- 6.partner channels

Customer Segments

- **primary customers:** 1.oil and gas companies(up stream,mid stream,and down stream)
- 2.petroleum refineries
- **secondary customers:**
- 1.pipeline maintenance and repair service providers
- 2.environmental monitoring agencies
- **teritary customers:**
- 1.construction companies
- 2.engineering and consulting firms
- **geographic segments**
- **industry segments**
- **company size segments**

Cost Structure

- **fixed costs:**
- 1.research and development
- 2.regulatory complaints cost
- **variable cost:**
- 1.sensor hardware production costs
- 2.cloud infrastructure and data storage fees
- **direct costs:**
- 1.hardware components costs
- 2.software licensing fees

Revenue Streams

- **primary revenue streams:**
- 1.hardware sales
- 2.software licensing fees
- **secondary revenue streams:**
- 1.consulting services
- 2.training and certification programs
- **recurring revenue streams:**
- 1.cloud infrastructure fees
- 2.data analytics services