

Project Design Phase-I - Problem Solution Fit Template

Project Title: Hazardous area monitoring for industrial plant powered by IOT

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| Define CS, fit into CC | <p>1. CUSTOMER SEGMENT(S)</p> <p>The customers are</p> <ul style="list-style-type: none"> ● Government ● Domestic citizens ● Private companies | <p>6. CUSTOMER CONSTRAINTS</p> <ul style="list-style-type: none"> ● The coal needed for the industrial plant should be investigated and taken from where it is most available. ● The quality of the results we deliver to our customers is unmatched and we have more than just denominations. ● All machinery and materials required for industrial plant must be imported. | <p>5. AVAILABLE SOLUTIONS</p> <ul style="list-style-type: none"> ● That industrial plant mixes more chemical into the products it produces. ● But they do not fear chemicals or harmful substance in their industrial plant. ● As soon as their products are made they are sent to the final stage of testing for further use. | Explore AS, differentiate |
| | <p>2. JOBS-TO-BE-DONE / PROBLEMS</p> <ul style="list-style-type: none"> ● A few parts are expensive in the factory and if they break it will cost more to rebuild. ● If the industrial plant damaged in innerside they're not nearly as easy to spot, which makes them harder to fix. | <p>9. PROBLEM ROOT CAUSE</p> <ul style="list-style-type: none"> ● There is a possibility of accidents due to carelessness of the workers in the factory. ● Hazardous area is where there is a risk of fire due to toxic gas or flammable gas escaping from the factory. ● Inhalation of such toxic gases is likely to causes physical harm to workers. | <p>7. BEHAVIOUR</p> <ul style="list-style-type: none"> ● Industrial accidents are as old as industry itself and so are preventive measures. ● The standards for explosive areas or atmospheres have also has evolved diversely worldwide, based on the local needs of the industrial for the overall safe operation of the plants. ● Explosion and an fire are two of the major constituents of these misshapes. ● Depending upon the environment, these can be termed 'Accidents' or fade away as simply the 'incidents' or 'Near Misses' in the statistics. | |

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| Identify strong TR & EM | <div>3. TRIGGERS</div> <div>TR</div> <div><ul style="list-style-type: none">Our industrial plant attracts customers with reasonable price and quality materials.They can easily use what they have and it will inspire peoples.The product you buy from us will work for a long time and will inspire peoples.</div> | <div>10. YOUR SOLUTION</div> <div>SL</div> <div><ul style="list-style-type: none">If there is a failure in a hazardous area inside an industrial plant, there is loss of production, human loss, loss of property etc.So if the industrial plant is in a private place, there will be no problem.Radiation in an industrial plant can affect people if it emits a certain limit.The radiation emitted by the industrial plant can be protected by sensor to protect people from spreading too much.</div> | <div>8. CHANNELS of BEHAVIOUR</div> <div>CH</div> <div>ONLINE</div> <div><ul style="list-style-type: none">In modern terminology,this usually refers to an internet connection,but (especially when expressed “on line” or “on the line”) could refer to any piece of equipment of functional unit that is connected to a larger system.Being online means that the equipment or subsystem is connected, or that it is ready for use.</div> <div>OFFLINE</div> <div><ul style="list-style-type: none">The term “offline” is sometimes used interchangeably with the acronym “IRL”, meaning “in real life”.Offline can refer to either computing activities performed while disconnected from the internet, or alternatives to internet activities.</div> | Identify strong TR & EM |
| | <div>4. EMOTIONS: BEFORE / AFTER</div> <div>EM</div> <div><ul style="list-style-type: none">A measure of how customers feel about their experience with a company.An emotional connection develops loyalty before a lead has made a purchase decision. And it continue to grow stronger after a lead becomes a customer.</div> | | | |