Audit 2 Landing Page (Changed from Audit 1)

Project purpose unclear- confusing wording

Project Scope-

‘After preliminary market research on the topics of tracking systems in harsh environments, the scope of the project was decided to be personnel and asset tracking in oil rigs.’- Have you done market research to inform this decision?

Resources and Costs-

You could also include:

- Yourself (human resources) and Thales to be utilised to gather information

- Also resources available at uni- software packages on the computers etc

Risks and Constraints:

- I would not consider the intellectual property a risk for the successful completion of this project.

- Furthermore, if the outcome of the market research is that a product that meets this requirements is available- this is not a risk. If there is technology available (which we expect there is) the challenge is to utilise the appropriate technology and integrate for this applied problem.

- Other risks. Eg-budget restrictions for the prototype, range limitations of technology, limited knowledge of existing ICT technology in facility to integrate with

Timeline- Looks fantastic

## Update the timeline

## Project Scope

As the broad scope of the original project which included employee and asset tracking within an oil rig and/or a mine was too complex, we decided to significantly lower it. Through group meetings we firstly decided to narrow it down to just oil rigs, thus meaning we had a steady, non-changing platform to design for in our design.

This scope was still too large for our team to make a project for. Our team has decided to simplify the project further. As such we have decided to create a tracking device that connects via radio to a receiver. This device aims to have functions which other devices on the market do not, thus improving upon them.

## Project Purpose

The main purpose of the project is to analyse the market situation of employee or asset tracking devices by providing a report to Thales. This is the main aspect of the project which Thales is particularly interested in as it will provide some use to them.

## Project Risks

The majority of the risks faced in the project are in the prototype stage, this is as if specific components of the prototypes design do not work as intended it may compromise its entire design. These risks include:

* The device must not fail at any circumstances since this may lead to catastrophic outcomes.
* The device must be fully waterproof, as a major aspect of our design involves its submersion under water, all components of the design must be waterproof so the device does not short circuit.
* The device must be equipped with a battery that enables at least a full day’s worth of function.

The are minor risks of the report. Although, these risks are directly related to how well the team does their work.

Report

Does not work

## Resources and Costs

The main resources our team will need for the project include the following:

* Arduino Uno
* Accelerometer
* Water level and Salinity Sensor
* Battery
* Waterproofing (Plastic/3D printed)
* RF Transmitter
* RF Receiver x 2

## [**Feedback**](https://drive.google.com/open?id=1N2IHhTF3j930xjQGmNhkxc_TStSohzH5)

There are many ways our team has received Feedback. We have received Feedback from our clients, tutor, course convener and observers. The team analysed this feedback and thought of improvements which we could make to our project. These are shown in the Google Drive.

It is difficult for our team to get exact information from potential users of the project, due to privacy concerns.