The proposed strategy to define a solution has been broken up as follows:

* Data Strategy
* Algorithm and Model Development
* Solution

**Data Strategy**

During this phase it is aimed to collate data from the different sources. The aim is to ensure that we have considered all factors that could have a direct impact or have a secondary impact on the solution. It is for this reason that the following data will be looked at:

* Existing theft data
* Infrastructure data
* Cable monitoring data
* Data about the people that have stolen cables and that have been caught
* Situational data (time of day of theft, weather, stock price, etc)
* Possible sensor data

This data will be captured in a central data unit.

**Algorithm and Model Development**

The data analysis potion would do the following:

* Determine relationships between data and the degree of the relationship
* Determine patterns from the data

This information would then be used to model the problem, as well as determine a prediction algorithm so that the time and location of a potential cable theft could be predicted.

**Solution Development**

Both the model and predictive algorithm would also indicate if additional data is required and thus sensors can be used to get this additional data.

Both the model and predictive algorithm would provide a means to get into an integrated solution, as the problem of cable theft is a multifaceted one.

The final solution would have to include the following:

* Prediction of the next possible cable theft
* Would need to identify the difference between a real situation and a decoy
* Would need to ensure that response to abate the crime would be within a certain timeframe, for example if the task takes 3 hours to complete, response must be 30 minutes or less from the alert to arrive at the scene
* The evidence collected must be feasible and allowed in a court of law

During the data analysis phase the model will be trained to test accuracy and as new data becomes available, it will constantly update to account for new information provided to it.