
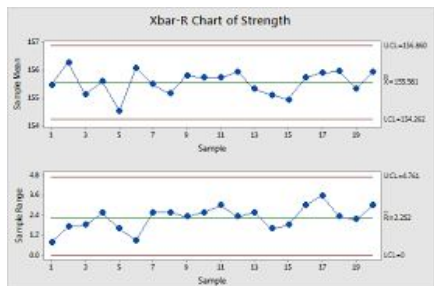


Morphological Analysis

Concept Generation	Concept 1	Concept 2
<p>Sub-Function:</p> <p>Monitor Environmental Factors</p>	 <p>Use Excel Power Query to pull data tables from the data upload of monitoring system sensors and build a KPI dashboard.</p>	 <p>Run a Minitab report with each week's data set from sensors. Develop insights on the process stability.</p>

Power Query is very adaptable in obtaining, consolidating and cleansing data from multiple sources, including the automated RIT server uploads or manually collected tables. After monitoring data is collected and imported, you are able to develop a “master” visual Excel dashboard for monitoring the system based on real time data.

Running a control chart analysis on Minitab with various sensors will support the sub-function of monitoring because the method can be used to detect deviations from the Mean. The thresholds on a control chart can also be adjusted to accommodate for uncertainties.