# Orange Auto Part Manufacturer (11)

The plant manager from the OAPM has decided to examine the impact of recycling failed parts on the total throughput of the shop. In order to align the new requirements with the existing OAPM simulation, the plant manager has requested that the OAPM model *send output data on the recycle run and part type for each part that fails inspection*. The plant manager has agreed and is requesting that you add this functionality to the model.

Also, the intern noticed that the inspection pass rate can vary greatly based on part type, and the plant manager would like to have *the ability to read the inspection pass rate from a Microsoft Excel spreadsheet* provided by the intern.

Also, the manager would like *the ability to change the Paint Preparation process time by part from within the same Excel spreadsheet*.

The intern has provided an Excel spreadsheet called “*Advanced Process Input Data.xlsx*”in your training files directory.

Run the model for five 8-hour days. The base time units should be minutes.  
Examine the effect of the new inspection pass rates on the throughput and view the output file before handing it off to the OAPM plant manager.