# Report Automation

**Scenario**

You are a financial analyst working for a small construction company that works primarily for the local and federal government in municipal infrastructure projects.

The business owner is old and does not pay much attention to the needs of the IT business, so the reporting itself has suffered a lot. The company has an ERP that exports information in very difficult formats to read and does not provide useful data.

The engineer who was hired to maintain the ERP is not available for consultation, and therefore he cannot fix the reporting system. There are no upcoming plans to invest in a new system reporting.

The previous analyst had to spend several days extracting the data and arranging it to normalize the table by hand and get something that was workable in Excel.

* Your job is to program a Macro that cleans the current reports and delivered in standard format

**Task**

Create a Macro, that combines Power Query, to clean the current report in its current format and provide a table organized that can be analyzed by the rest of the finance department.

This table must include the fields of: Accounts, Description and Final balance, by **Project**.

Tip: The table is ‘dynamized’, so we must ‘normalize’ it.

* You should mix Power Query with the macro to help you cleaning
* Two different report samples are provided, your macro should be able to clean both, and any future variations of the same report.
* You may need an excel table that is persistent in the file
* A sample of what the clean and normalized table looks like is included

A final deliverable will be an Excel file containing:

* A cover page where users can get instructions on how to operate the macro
* A page where users can paste the data they want to clean
* A sheet that draws the data in a normalized way, ready to be analyzed.
* The macro must work on the file "Production Data"